



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	07/05/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 A dealer sells a product at 15% profit. If he had bought it at 10% less and sold it for ₹126 less, he would have gained 20%. Find the cost price.

- Ans
- ☒ A. ₹1,400
 - ☒ B. ₹1,800
 - ☒ C. ₹2,000
 - ☒ D. ₹1,200

Q.2 Three numbers are in the ratio 4 : 13 : 9, and their LCM is 6084. Their HCF is:

- Ans
- ☒ A. 23
 - ☒ B. 13
 - ☒ C. 12
 - ☒ D. 48

Q.3 The present age of a man is 4 years more than twice the present age of his son. After 6 years, the sum of their ages will be 58 years. What is the present age of the son?

- Ans
- ☒ A. 10 years
 - ☒ B. 11 years
 - ☒ C. 14 years
 - ☒ D. 9 years

Q.4 What sum (in ₹) will earn a simple interest of ₹1,320 in 3 years at 20% per year rate of interest?

- Ans
- ☒ A. 4,400
 - ☒ B. 2,200
 - ☒ C. 1,100
 - ☒ D. 792

Q.5 If a triangle has sides a, b, c, and fixed sum $a + b + c = 18$, then the maximum possible area (in cm^2) of the triangle is

- Ans
- ☒ A. $6\sqrt{3}$
 - ☒ B. $3\sqrt{3}$
 - ☒ C. $9\sqrt{3}$
 - ☒ D. $12\sqrt{3}$

Q.6 A fruit seller sold mangoes at ₹600 per box last month. This month, he first increased the price by 10% due to transportation costs and then offered a discount of 15% on the increased price. What is the final price of one box of mangoes?

- Ans**
- ☐ A. ₹571
 - ☐ B. ₹541
 - ☒ C. ₹561
 - ☐ D. ₹551

Q.7 A train of length 180 meters is running at a speed of 72 km/h. How much time will it take to cross a bridge 350 meters long?

- Ans**
- ☒ A. 26.5 seconds
 - ☐ B. 24.5 seconds
 - ☐ C. 23.5 seconds
 - ☐ D. 27.5 seconds

Q.8 The sum of two positive numbers is 27 and their product is 170. The positive difference between them is:

- Ans**
- ☒ A. 7
 - ☐ B. 12
 - ☐ C. 19
 - ☐ D. 2

Q.9 A streaming service charges ₹150 per month. If you buy an annual plan (12 months) with a 15% discount, what is your total savings (in ₹) compared to paying monthly for a year?

- Ans**
- ☐ A. 180
 - ☐ B. 300
 - ☐ C. 240
 - ☒ D. 270

Q.10 If the interest on a sum of ₹y at 10% per annum compounded annually for 2 years is ₹462, then the total amount payable at the end of the two-year period will be _____.

- Ans**
- ☐ A. ₹2,762
 - ☐ B. ₹2,962
 - ☒ C. ₹2,662
 - ☐ D. ₹2,862

Q.11 Find the diameter of a sphere of surface area 28962 cm^2 . (round off to the closest integer)

(Use $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 108 cm
 - ☐ B. 48 cm
 - ☐ C. 98 cm
 - ☒ D. 96 cm

Q.12 The value of a machine depreciates by 10% every year. What is the total percentage depreciation after 2 years?

- Ans**
- ☐ A. 21%
 - ☐ B. 20%
 - ☒ C. 19%
 - ☐ D. 22%

Q.13 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 16% and 29% on any number of toys bought.
(B) Successive discounts of 4%, 34% and 37% on any number of toys bought.
(C) 12% discount on the first 4 toys and 27% discount on each toy thereon.
(D) 4 toys free of cost on buying 10 toys.
A customer wants to buy 10 toys. Which of the above schemes is the least beneficial to her?

- Ans**
- ☒ A. B
 - ☒ B. C
 - ☒ C. A
 - ☒ D. D

Q.14 Pipes X, Y, and Z together can fill a tank in 8 hours. If all three work together for 3 hours, and then pipe Z is closed, the remaining tank is filled by X and Y in 10 hours. In how many hours can pipe Z alone fill the empty tank?

- Ans**
- ☒ A. 18
 - ☒ B. 16
 - ☒ C. 32
 - ☒ D. 24

Q.15 Two bells are rung at intervals of 1,764 seconds and 2,268 seconds, respectively. They are rung together at the start. After how much time will the two bells ring together again for the first time?

- Ans**
- ☒ A. 4 hours 24 minutes 36 seconds
 - ☒ B. 4 hours 36 minutes 24 seconds
 - ☒ C. 4 hours 18 minutes 12 seconds
 - ☒ D. 4 hours 12 minutes 18 seconds

Q.16 Two taps can fill a cistern in 2 hours and 37 hours, respectively. A third tap can empty it in 37 hours. How long (in hours) will it take to fill half of the empty cistern if all the taps are opened together?

- Ans**
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 4

Q.17 The ratio of two numbers is 3 : 5. If 6 is subtracted from each, the resulting numbers are in the ratio 1 : 2. Find the difference between the two original numbers.

- Ans**
- ☒ A. 14
 - ☒ B. 16
 - ☒ C. 10
 - ☒ D. 12

Q.18 If a two-digit number has a digit sum of 9 and adding 27 reverses its digits, determine the unit digit of the number.

- Ans**
- ☒ A. 3
 - ☒ B. 5
 - ☒ C. 4
 - ☒ D. 6

Q.19 Simplify the following expression using the BODMAS rule:

$$\frac{3}{4} + \left(\frac{5}{6} \times \frac{9}{10}\right) - \frac{2}{3}$$

Ans

- ☒ A. $\frac{3}{5}$
☒ B. $\frac{6}{5}$
☒ C. $\frac{13}{5}$
☒ D. $\frac{5}{6}$

Q.20 The arithmetic mean of the first 15 numbers is 82. The mean is reduced by 6 when one of the numbers is removed. Find the number that is excluded?

Ans

- ☒ A. 142
☒ B. 100
☒ C. 166
☒ D. 164

Q.21 The perimeter of a rhombus is 100 meters and one of its diagonals is 14 meters long. What is the length of the other diagonal?

Ans

- ☒ A. 48 meters
☒ B. 40 meters
☒ C. 42 meters
☒ D. 50 meters

Q.22 Which of the ratios given below is the greatest among them?

Ans

- ☒ A. 5 : 8
☒ B. 3 : 5
☒ C. 7 : 11
☒ D. 4 : 7

Q.23 If $4\sin\theta + \operatorname{cosec}\theta = 4$, $0^\circ < \theta < 90^\circ$, then the value of $\sin 3\theta + \cos 3\theta$ is

Ans

- ☒ A. -1
☒ B. 0
☒ C. 1
☒ D. 2

Q.24 In a class, the average score of 8 boys is 56 and the average score of 4 girls is 80. What is the average score of all 12 students?

Ans

- ☒ A. 62
☒ B. 66
☒ C. 68
☒ D. 64

Q.25 The 7-digit number 46A484B is divisible by 24. What is the minimum value of (A + B)?

Ans

- ☒ A. 6
☒ B. 3
☒ C. 1
☒ D. 4

Q.26 Simplify: $\left\{ \frac{12}{33} \div \frac{12}{2} \right\} \div \left(\frac{3}{7} \times \frac{14}{9} + \frac{3}{11} \right) + \frac{2}{8} \div \frac{31}{25} \text{ of } \frac{25}{8}$

- Ans
- ☒ A. $\frac{4}{31}$
 - ☐ B. $\frac{5}{36}$
 - ☐ C. $\frac{7}{38}$
 - ☐ D. $\frac{5}{24}$

Q.27 Sunil purchased a microwave oven for ₹7,000. He spent ₹400 on its transportation and ₹600 on repairs. He sold the oven for ₹9,800. What is his percentage profit on total investment?

- Ans
- ☒ A. 22.5%
 - ☐ B. 23.5%
 - ☐ C. 20.5%
 - ☐ D. 21.5%

Q.28 A and B invest in a business in the ratio 5 : 7. After 4 months, C joins the business with an investment equal to the amount invested by A. At the end of one year, the total profit is ₹92,000. Find the sum (in ₹) of the shares of partners B and C.

- Ans
- ☐ A. ₹66,800
 - ☐ B. ₹49,600
 - ☒ C. ₹62,000
 - ☐ D. ₹64,400

Q.29 Which of the following numbers is completely divisible by 6?

- Ans
- ☐ A. 5,47,821
 - ☒ B. 7,53,216
 - ☐ C. 8,91,452
 - ☐ D. 6,42,538

Q.30 A person walks from point P to Q at 5 km/hr and returns from Q to P along the same route jogging at 10 km/hr. If the total time taken is 3 hours, what is the distance between P and Q?

- Ans
- ☒ A. 10 km
 - ☐ B. 5 km
 - ☐ C. 15 km
 - ☐ D. 20 km

Section : General Awareness

Q.31 By which Amendment Act were the words 'socialist', 'secular', and 'integrity' added to the Preamble of the Indian Constitution?

- Ans
- ☒ A. 42nd Amendment Act
 - ☐ B. 52nd Amendment Act
 - ☐ C. 32nd Amendment Act
 - ☐ D. 62nd Amendment Act

Q.32 Who presided over the National Level Conclave of Ministers of States/UTs for Minority Welfare held on 13 September 2025, at Vanijya Bhawan, New Delhi?

- Ans**
- ☐ A. George Kurian
 - ☐ B. Md. Zama Khan
 - ☒ C. Kiren Rijiju
 - ☐ D. Om Prakash Rajbhar

Q.33 Where does the Indian Prime Minister hoist the national flag on the occasion of Independence Day?

- Ans**
- ☐ A. Qutb Minar
 - ☒ B. Red Fort
 - ☐ C. Jantar Mantar
 - ☐ D. India Gate

Q.34 In which state of India did Pattachitra paintings originate?

- Ans**
- ☒ A. Odisha
 - ☐ B. Bihar
 - ☐ C. Punjab
 - ☐ D. Rajasthan

Q.35 Which factor most directly contributed to the emergence of the Sanyasi–Fakir rebellion in Bengal?

- Ans**
- ☐ A. Increased protection from British officials improved rural living conditions.
 - ☐ B. Expansion of irrigated farming reduced dependence on religious leaders.
 - ☐ C. Stable land rights allowed peasants to negotiate with revenue contractors.
 - ☒ D. Forced taxation and famine pushed dispossessed peasants into rebel groups.

Q.36 During the electrolysis of water, hydrogen and oxygen are released in which ratio?

- Ans**
- ☐ A. 4:1
 - ☐ B. 1:1
 - ☐ C. 3:1
 - ☒ D. 2:1

Q.37 Which of the following sites contains prehistoric paintings ranging from the Mesolithic to the historic period?

- Ans**
- ☐ A. Hampi
 - ☐ B. Nalanda
 - ☐ C. Pattadakal
 - ☒ D. Bhimbetka

Q.38 The Vindhyachal Super Thermal Power Station is located in _____.

- Ans**
- ☒ A. Madhya Pradesh
 - ☐ B. Gujarat
 - ☐ C. Chhattisgarh
 - ☐ D. Rajasthan

Q.39 When did Ladakh become a union territory of India?

- Ans**
- ☐ A. 2020
 - ☒ B. 2019
 - ☐ C. 2021
 - ☐ D. 2017

Q.40 Which Article of the Indian Constitution provides for the Constitution of municipalities?

- Ans**
- ☐ A. Article 243S
 - ☐ B. Article 243R
 - ☐ C. Article 243P
 - ☒ D. Article 243Q

Q.41 How does increasing the Amplitude of a sound wave affect the sound produced?

- Ans**
- ☒ A. The loudness increases
 - ☐ B. The pitch increases
 - ☐ C. The frequency decreases
 - ☐ D. The speed of the sound increases

Q.42 Which Indian actor was honored with the 'Master Humor Award' at the Macau International Comedy Festival 2025 held in China?

- Ans**
- ☐ A. Hrithik Roshan
 - ☒ B. Aamir Khan
 - ☐ C. Ram Charan
 - ☐ D. Akshay Kumar

Q.43 Extended ASCII, an 8-bit evolution of the original 7-bit ASCII standard, supports international text by expanding the character set. How many total codes does it provide?

- Ans**
- ☐ A. 512 codes for voice recordings
 - ☐ B. 1024 codes for video compression
 - ☐ C. 128 codes limited to English letters
 - ☒ D. 256 codes including accented characters

Q.44 In the Windows 11 File System, a file named mydriver.sys is found in the C:\Windows\System32\drivers folder. Based on its file extension and location, which of the following best describes the purpose and classification of this file?

- Ans**
- ☐ A. It is an Application Data File used for temporary user settings and can be safely deleted to free up disk space.
 - ☒ B. It is a System Driver File that allows the operating system to communicate with a specific hardware component.
 - ☐ C. It is a System Configuration File that holds graphical settings and can be edited with a standard text editor.
 - ☐ D. It is an Operating System Log File that records system events and is only read by the Task Manager.

Q.45 Which institution was founded by Prasanta Chandra Mahalanobis?

- Ans**
- ☐ A. Indian Economic Forum
 - ☒ B. Indian Statistical Institute
 - ☐ C. Planning Commission
 - ☐ D. Reserve Bank of India

Q.46 Which of the following services is a core component of the tourism industry?

- Ans**
- ☐ A. Banking
 - ☒ B. Hospitality
 - ☐ C. Teaching
 - ☐ D. Insurance

Q.47 What was the Dual Government system introduced after the Battle of Buxar?

- Ans**
- ☒ A. A system where the Company collected revenue, and Nawab handled administration
 - ☐ B. A system where the French and British shared governance
 - ☐ C. A system where the Nawab collected revenue and the Company maintained the army
 - ☐ D. A system where the British ruled directly

Q.48 The Mansabdari System, introduced by Akbar in 1571, was mainly a system of _____.

- Ans**
- ☐ A. Land Revenue Collection
 - ☐ B. Judicial Reforms
 - ☒ C. Military Administration
 - ☐ D. Religious Reformation

Q.49 Which academic institution was responsible for designing the IRIS chip based on the SHAKTI microprocessor, India's push for self-reliance in semiconductor technology, in February 2025?

- Ans**
- ☒ A. IIT Madras
 - ☐ B. IIT Delhi
 - ☐ C. NIT Trichy
 - ☐ D. IISc Bangalore

Q.50 Which football player was named the Professional Footballers' Association (PFA) Player of the Year in August 2025, becoming the first player to win the award three times?

- Ans**
- ☐ A. Casemiro
 - ☐ B. Lionel Messi
 - ☒ C. Mohamed Salah
 - ☐ D. Neymar

Q.51 In November 2025, PM Modi chaired the 60th All India Conference of Directors General and Inspectors General of Police in which city of Chhattisgarh?

- Ans**
- ☐ A. Bilaspur
 - ☒ B. Raipur
 - ☐ C. Korba
 - ☐ D. Bhilai

Q.52 Which of the following is **NOT** a characteristic of tertiary services?

- Ans**
- ☒ A. Directly processes natural resources
 - ☐ B. Often located in urban areas
 - ☐ C. Includes tourism, banking, and trade
 - ☐ D. Involves face-to-face or remote interaction

Q.53 Which of the following belts of the Northern Plains consists of porous rocky soil where stream water seeps underground?

- Ans**
- ☐ A. Delta belt
 - ☒ B. Bhabar belt
 - ☐ C. Terai belt
 - ☐ D. Khadar belt

Q.54 Which wildlife sanctuary is set to host its inaugural female cheetah (Dheera) as part of a breeding/translocation initiative in 2025?

- Ans**
- ☐ A. Kuno National Park
 - ☒ B. Gandhi Sagar Wildlife Sanctuary
 - ☐ C. Gir Wildlife Sanctuary
 - ☐ D. Ranthambore National Park

Q.55 Which statement is True or False about the Windows 11 Operating System (OS)?

- (i) The OS loads program code directly onto the hard disk for execution, as the CPU can only execute code from permanent storage.
(ii) For multitasking, the OS allocates small CPU time slices to processes, rapidly switching between them, a technique known as Time-Sharing.

- Ans**
- ☐ A. (i) True, (ii) False
 - ☐ B. (i) False, (ii) False
 - ☐ C. (i) True, (ii) True
 - ☒ D. (i) False, (ii) True

Q.56 Which of the following indicators is NOT a component of the Human Development Index (HDI)?

- Ans**
- ☒ A. Poverty line ratio
 - ☐ B. Education index
 - ☐ C. Life expectancy
 - ☐ D. Gross National Income per capita

Q.57 Which of the following is a fat-soluble vitamin that helps in promotion of calcium absorption in the gut for bone health?

- Ans**
- ☒ A. Vitamin D
 - ☐ B. Vitamin A
 - ☐ C. Vitamin B
 - ☐ D. Vitamin C

Q.58 Which of the following was the first international agreement to establish legally binding emission reduction targets specifically for developed countries?

- Ans**
- ☒ A. Kyoto Protocol
 - ☐ B. Rio Declaration
 - ☐ C. Paris Agreement
 - ☐ D. Basel Convention

Q.59 In which country was the International Conference on 'Reimagining Existence: Emerging Perspectives in World Literature and Language' held in March 2025?

- Ans**
- ☒ A. India
 - ☐ B. Italy
 - ☐ C. China
 - ☐ D. Russia

Q.60 Which of the following correctly differentiates system software from application software?

- Ans**
- ☐ A. Application software loads the operating system; system software performs user tasks
 - ☐ B. Both perform the same functions
 - ☒ C. System software manages hardware; application software performs user tasks
 - ☐ D. System software performs user tasks; application software controls hardware

Q.61 Under which Article of the Indian Constitution may the President of India proclaim President's Rule when Constitutional machinery fails in a state?

- Ans**
- ☐ A. Article 350
 - ☐ B. Article 249
 - ☒ C. Article 356
 - ☐ D. Article 355

Q.62 Which of the following optical properties of light enables sunglasses to reduce glare from sunlight reflected off surfaces such as water or roads?

- Ans**
- ☐ A. Refraction
 - ☐ B. Diffraction
 - ☐ C. Interference
 - ☒ D. Polarization

Q.63 Which type of natural vegetation covers the largest geographical area in India?

- Ans**
- ☐ A. Mountain vegetation
 - ☐ B. Tidal mangrove vegetation
 - ☒ C. Tropical Deciduous vegetation
 - ☐ D. Dry Tropical Thorn vegetation

Q.64 In which year did FEMA replace FERA?

- Ans**
- ☐ A. 1990
 - ☐ B. 1998
 - ☐ C. 1994
 - ☒ D. 1999

Q.65 With which country did the United Kingdom (UK) sign the Kensington Treaty, the first treaty between the two countries since the Second World War, in July 2025?

- Ans**
- ☐ A. United States
 - ☐ B. Japan
 - ☒ C. Germany
 - ☐ D. France

Q.66 Which of the following baskets of the Buddhist Tipitaka contains monastic rules?

- Ans**
- ☐ A. Jataka Pitaka
 - ☐ B. Sutta Pitaka
 - ☐ C. Abhidhamma Pitaka
 - ☒ D. Vinaya Pitaka

Q.67 Consider the following statements regarding the provincial administration in the Mughal period and select the correct option.

Statement I: Each Suba was placed under a Subedar or provincial governor who was directly appointed by the Emperor.

Statement II: Daroga-i-Dak was responsible for maintaining the communication channel.

- Ans**
- ☐ A. Both statements I and II are incorrect.
 - ☐ B. Statement I is incorrect, while statement II is correct.
 - ☒ C. Both statements I and II are correct.
 - ☐ D. Statement I is correct, while statement II is incorrect.

Q.68 Which of the following Union Territories has a Legislative Assembly?

- Ans**
- ☐ A. Lakshadweep
 - ☐ B. Ladakh
 - ☒ C. National Capital Territory of Delhi
 - ☐ D. Andaman and Nicobar Islands

Q.69 Which Amendment restored the primacy of Fundamental Rights over Directive Principles?

- Ans**
- ☒ A. 44th Amendment
 - ☐ B. 42nd Amendment
 - ☐ C. 74th Amendment
 - ☐ D. 84th Amendment

Q.70 Who among the following led the large-scale armed attack on the Chittagong armoury in April 1930?

- Ans**
- ☒ A. Surya Sen
 - ☐ B. Chandrasekhar Azad
 - ☐ C. Jatin Das
 - ☐ D. Bhagat Singh

Section : General Intelligence and Reasoning

Q.71 Refer to the following series and answer the question. (Counting to be done from left to right only.) (all numbers are single digit numbers only.)
(Left) 9 2 3 1 4 5 6 8 5 4 3 2 1 9 3 4 5 6 7 8 1 2 9 8 3 4 5 2 6 8 2 (Right)
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)

- Ans**
- ☐ A. Three
 - ☒ B. More than three
 - ☐ C. Two
 - ☐ D. One

Q.72 Amit starts from Point Y and drives 14 km towards South. He then turns left and drives 35 km, takes a left and drives 68 km. He then takes a left turn and drives 41 km. He takes a left turn, drives 54 km, turns right and drives 53 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 57 km towards east
 - ☐ B. 56 km towards west
 - ☐ C. 61 km towards west
 - ☒ D. 59 km towards east

Q.73 What should come in place of ? in the given series based on the English alphabetical order?
SQU TRV USW VTX ?

- Ans**
- ☐ A. WVX
 - ☒ B. WUY
 - ☐ C. WXZ
 - ☐ D. WTX

Q.74 If 2 is added to each even digit and 2 is subtracted from each odd digit in the number 5973642, then what will be the sum of all the even digits in the new number thus formed?

- Ans**
- ☐ A. 24
 - ☐ B. 20
 - ☐ C. 16
 - ☒ D. 18

Q.75 John ranked 16th from the bottom and 29th from the top in his class. How many students are there in his class?

- Ans
- ☒ A. 43
 - ☒ B. 41
 - ☒ C. 44
 - ☒ D. 42

Q.76 What will come in place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '-' and '×' are interchanged?

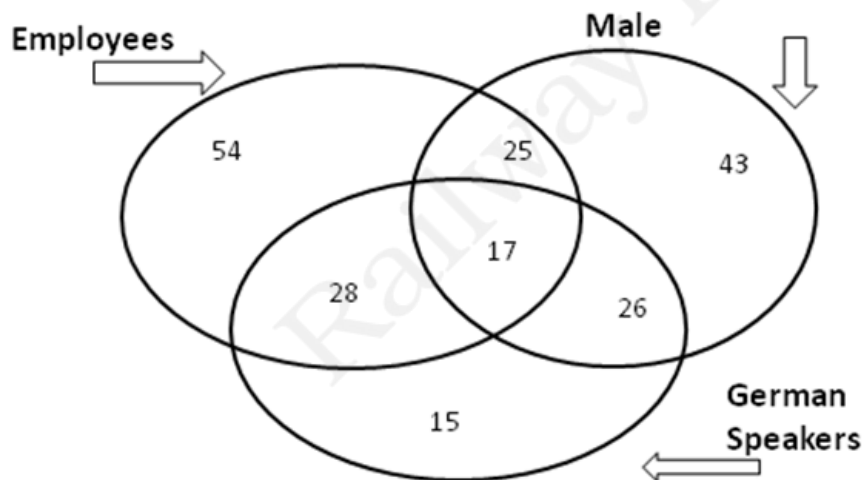
$$603 + 9 \times 18 - 6 \div 56 = ?$$

- Ans
- ☒ A. 11
 - ☒ B. 20
 - ☒ C. 16
 - ☒ D. 15

Q.77 In a certain code language, 'NORM' is coded as '7341' and 'ROME' is coded as '3748'. What is the code for 'E' in the given code language?

- Ans
- ☒ A. 4
 - ☒ B. 7
 - ☒ C. 3
 - ☒ D. 8

Q.78 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons working in an organization. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)



How many such employees are there who also speak German?

- Ans
- ☒ A. 43
 - ☒ B. 45
 - ☒ C. 41
 - ☒ D. 28

Q.79 Each letter in the word LAQUID is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is fourth from the right in the new letter cluster thus formed?

- Ans
- ☒ A. 7
 - ☒ B. 5
 - ☒ C. 4
 - ☒ D. 3

Q.80 Seven people, Mayank, Nidhi, Palak, Rakesh, Surya, Tina and Vivek, are sitting in a row, facing north. Only two people sit to the right of Rakesh. Nidhi sits to the immediate left of Vivek and Vivek sits third to the left of Rakesh. Palak sits third to the right of Tina, but Palak does not sit at any extreme ends. Rakesh is not an immediate neighbour of Mayank. How many people sit between Tina and Vivek?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☒ C. None
 - ☐ D. Two

Q.81 AEHB is related to FJMG in a certain way based on the English alphabetical order. In the same way, DHKE is related to IMPJ. To which of the following is GKNH related, following the same logic?

- Ans**
- ☒ A. LPSM
 - ☐ B. PLMS
 - ☐ C. PLSM
 - ☐ D. LPMS

Q.82 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. RO-VT
 - ☐ B. LI-PN
 - ☐ C. PM-TR
 - ☒ D. NK-RO

Q.83 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and G. E is kept at one of the positions below A. Only D is kept between G and F. C is kept at one of the positions above G. How many boxes are kept between B and E?

- Ans**
- ☒ A. 1
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3

Q.84 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All cakes are biscuits. All pizzas are biscuits.

Conclusion (I) : Some cakes are pizzas

Conclusion (II) : Some biscuits are pizzas

- Ans**
- ☐ A. Both conclusions (I) and (II) follow
 - ☐ B. Only conclusion (I) follows
 - ☒ C. Only conclusion (II) follows
 - ☐ D. Neither conclusion (I) nor (II) follows

Q.85 Uvx ranked 14th from the top and 79th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 93
 - ☒ B. 92
 - ☐ C. 90
 - ☐ D. 91

Q.86 In a certain code language, 'chest shirt coal' is coded as 'ym aw xu' and 'coal lake pig' is coded as 'aw yh ky'. How is 'coal' coded in the given language?

- Ans**
- ☒ A. ym
 - ☒ B. aw
 - ☒ C. yh
 - ☒ D. xu

Q.87 In a certain code language,

A + B means 'A is the son of B',
A – B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

Based on the above, how is S related to K if 'S + D ÷ F x H – K'?

- Ans**
- ☒ A. Brother's wife's father
 - ☒ B. Wife's brother
 - ☒ C. Wife's father
 - ☒ D. Brother's wife's brother

Q.88 KH 13 is related to ID 2 in a certain way. In the same way, LO 9 is related to JK –2. To which of the following is LJ 7 related, following the same logic?

- Ans**
- ☒ A. JG –6
 - ☒ B. KF –4
 - ☒ C. KG –6
 - ☒ D. JF –4

Q.89 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. RP–NL
 - ☒ B. LJ–HF
 - ☒ C. OM–KI
 - ☒ D. EC–ZA

Q.90 Each vowel in the word TRAJECTORIES is changed to the second letter immediately following it in the English alphabetical order, and each consonant is changed to the second letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. Four

Q.91 R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table. Only two people sit between N and R when counted from the left of R. G sits third to the left of A. D sits to the immediate right of A. D sits second to the left of N. I is not an immediate neighbor of G. Who sits third to the right of E?

- Ans**
- ☒ A. D
 - ☒ B. A
 - ☒ C. R
 - ☒ D. G

Q.92 P is the daughter of Q. Q is the wife of S. T is the mother of X. T is the sister of S. How is T related to P?

- Ans**
- ☒ A. Sister
 - ☒ B. Father's sister
 - ☒ C. Husband's sister
 - ☒ D. Mother

Q.93 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. MJP
 - ☒ B. JGM
 - ☒ C. URY
 - ☒ D. QNT

Q.94 Which of the following options should come in place of the '?' in the given series based on the English alphabetical order?

G 5, M 12, S 19, Y 26, ?

- Ans**
- ☒ A. D 33
 - ☒ B. J 33
 - ☒ C. A 33
 - ☒ D. E 33

Q.95 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MCK 10, PFN 13, SIQ 16, VLT 19, ?

- Ans**
- ☒ A. YOW 22
 - ☒ B. XPW 24
 - ☒ C. XOY 22
 - ☒ D. YPV 22

Q.96 If + means $\times$, $\times$ means $\div$, and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$92 - 8 \div 311 + 715 \times 11 = ?$$

- Ans**
- ☒ A. 965
 - ☒ B. 975
 - ☒ C. 982
 - ☒ D. 998

Q.97 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8 - 3 - 24
5 - 8 - 40

- Ans**
- ☒ A. 4 - 8 - 43
 - ☒ B. 14 - 6 - 34
 - ☒ C. 2 - 9 - 15
 - ☒ D. 4 - 9 - 36

Q.98 GECD is related to CAYZ in a certain way based on the English alphabetical order. In the same way, AYWX is related to WUST. To which of the following is USQR related, following the same logic?

- Ans**
- ☐ A. QNLN
 - ☐ B. QOLN
 - ☐ C. QPLR
 - ☒ D. QOMN

Q.99 What should come in place of the '?' in the given series?

5 14 41 122 ? 1094

- Ans**
- ☒ A. 365
 - ☐ B. 361
 - ☐ C. 381
 - ☐ D. 368

Q.100 What should come in place of the '?' in the given series?

13 19 31 55 103 ?

- Ans**
- ☒ A. 199
 - ☐ B. 203
 - ☐ C. 190
 - ☐ D. 195



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	07/05/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 A student scores 75, 80 and 90 in three tests with weights 2,3 and 5 respectively. What is the weighted average score?

- Ans
- ☒ A. 82
- ☒ B. 83
- ☒ C. 85
- ☒ D. 84

Q.2 The largest four-digit number which when divided by 7, 6 and 10 leaves the remainder 5 in each case, is:

- Ans
- ☒ A. 9909
- ☒ B. 9875
- ☒ C. 9964
- ☒ D. 9793

Q.3 Calculate the total amount when ₹4000 is invested at 10% compound interest per annum, compounded annually for 2 years.

- Ans
- ☒ A. ₹4400
- ☒ B. ₹4800
- ☒ C. ₹4080
- ☒ D. ₹4840

Q.4 Two taps can fill a cistern in 4 hours and 11 hours, respectively. A third tap can empty it in 11 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans
- ☒ A. 4
- ☒ B. 3
- ☒ C. 1
- ☒ D. 2

Q.5 Find the single discount equivalent to three successive discounts of 10% on a commodity.

- Ans
- ☒ A. 28.2%
- ☒ B. 26.9%
- ☒ C. 27.1%
- ☒ D. 25.8%

Q.6	If $9^x - 9^{x-1} = 72$, then the value of $\frac{2x-1}{2x+3}$ is:
Ans	☒ A. $\frac{3}{4}$ ☒ B. $\frac{3}{5}$ ☒ C. $\frac{3}{8}$ ☒ D. $\frac{3}{7}$
Q.7	Two trains, X and Y, are running on parallel tracks. Train X is 200 m long and travels at 72 km/hr. Train Y is 300 m long. If the trains are traveling in opposite directions, they pass each other completely in 15 seconds. If the trains were traveling in the same direction, how long would it take for the faster train to overtake the slower one?
Ans	☒ A. 75 seconds ☒ B. 78 seconds ☒ C. 67.5 seconds ☒ D. 72 seconds
Q.8	The ages of two siblings add up to 44 years. If one sibling is 4 years younger than twice the other's age, what is the difference between their ages?
Ans	☒ A. 14 years ☒ B. 10 years ☒ C. 12 years ☒ D. 8 years
Q.9	A shopkeeper marks an item at ₹4,000. During a festival, he first offers a discount of 25% on the marked price. After a week, he increases the discounted price by 20% to earn more profit. What is the final selling price of the item after these successive changes?
Ans	☒ A. ₹3,500 ☒ B. ₹3,600 ☒ C. ₹3,700 ☒ D. ₹3,400
Q.10	Simplify $10.5 - [6.5 - \{3.3 - (3.2 - 2.2 - 1.8)\}]$
Ans	☒ A. 0 ☒ B. 4.5 ☒ C. 10.5 ☒ D. 1
Q.11	Four numbers a, b, c and d satisfy the relation $(a + 2) : (b - 2) = (c + 4) : (d - 4)$. If a = 6, b = 8 and c = 12, find the value of d.
Ans	☒ A. 20 ☒ B. 14 ☒ C. 16 ☒ D. 18

Q.12	If $\sin 6A = \cos 12A$, find the value of $\tan 9A + \cot 9A$.
Ans	☒ A. -2
	☒ B. 2
	☒ C. 0
	☒ D. 1
Q.13	A television is marked at ₹50,000. A retailer gives a 15% discount on the first 70% of the price and a 5% discount on the rest. What is the total percentage discount offered?
Ans	☒ A. 11%
	☒ B. 10%
	☒ C. 13%
	☒ D. 12%
Q.14	The curved surface area of a solid cylinder is numerically equal to the total surface area of another cylinder whose radius is half of the first cylinder. If the height and radius of the first cylinder are 7 cm and 4 cm, respectively. find the curved surface area of the second cylinder.
Ans	☒ A. $52\pi \text{ cm}^2$
	☒ B. $48\pi \text{ cm}^2$
	☒ C. $65\pi \text{ cm}^2$
	☒ D. $42\pi \text{ cm}^2$
Q.15	Which of the following digits should replace X so that the three-digit number 2X2 is divisible by 4?
Ans	☒ A. 1
	☒ B. 4
	☒ C. 0
	☒ D. 2
Q.16	A retailer buys 60 pens and sells them at the purchase price of 72 pens. Determine his profit percentage.
Ans	☒ A. 12%
	☒ B. 15%
	☒ C. 16%
	☒ D. 20%
Q.17	A transaction code 92419 is not divisible by 13. To make it divisible by 13, the least digit should be appended at the end of the number. What is that digit?
Ans	☒ A. 6
	☒ B. 2
	☒ C. 5
	☒ D. 4
Q.18	ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 74 \text{ cm}$, $BC = 91 \text{ cm}$, $DC = 26 \text{ cm}$, and $AD = 39 \text{ cm}$, then what is the length (in cm) of EF?
Ans	☒ A. 25
	☒ B. 22
	☒ C. 21
	☒ D. 24

Q.19	A train runs at 72 km/h for 3 hours and then at 60 km/h for 1.5 hours. What is the average speed of the train?	
Ans	☒ A. 65 km/h	
	☒ B. 66 km/h	
	☒ C. 68 km/h	
	☒ D. 67 km/h	
Q.20	If the principal is ₹1000, the rate is 5% per annum, and the time is 2 years, what is the simple interest?	
Ans	☒ A. ₹100	
	☒ B. ₹200	
	☒ C. ₹50	
	☒ D. ₹500	
Q.21	If 5 and 10 are given, what is the third proportional to these numbers?	
Ans	☒ A. 30	
	☒ B. 15	
	☒ C. 25	
	☒ D. 20	
Q.22	Evaluate $24^3 + (-7)^3 + (-17)^3$	
Ans	☒ A. 8345	
	☒ B. 8396	
	☒ C. 8450	
	☒ D. 8568	
Q.23	Trains from Delhi, Lucknow, and Jaipur depart every 12 minutes, 18 minutes, and 27 minutes, respectively. If all depart together at 6:00 am, when will they depart together again?	
Ans	☒ A. 7:40 am	
	☒ B. 7:36 am	
	☒ C. 7:48 am	
	☒ D. 7:24 am	
Q.24	The sum of two numbers is 72. If the larger number is increased by 8 and the smaller number is decreased by 6, then the resulting numbers are in the ratio 3 : 2, respectively. Find the smaller of the original two numbers.	
Ans	☒ A. 35.6	
	☒ B. 32.5	
	☒ C. 34.2	
	☒ D. 35	
Q.25	If 40% of a number exceeds 25% of it by 36, then the number is:	
Ans	☒ A. 240	
	☒ B. 280	
	☒ C. 220	
	☒ D. 260	

Q.26	A shopkeeper offers the following schemes on toys of the same marked price. (A) Successive discounts of 44% and 12% on any number of toys bought. (B) Successive discounts of 18%, 43% and 23% on any number of toys bought. (C) 8% discount on the first 4 toys and 38% discount on each toy thereon. (D) On buying ten items, the customer is billed for only seven items. A customer wants to buy 10 toys. Which of the above schemes is the least beneficial to her?
Ans	☒ A. B
	☒ B. A
	☒ C. C
	☒ D. D

Q.27	The average of k numbers is x. If 48 is subtracted from each of any two of the numbers, then we get (x-12) as the new average. Find the value of k.
Ans	☒ A. 8
	☒ B. 10
	☒ C. 3
	☒ D. 5

Q.28	The speeds of two cars are in the ratio 5 : 7. The faster car covers 140 km in 2 hours. How much distance will the slower car cover in the same time?
Ans	☒ A. 140 km
	☒ B. 90 km
	☒ C. 100 km
	☒ D. 70 km

Q.29	A tank is being filled by two taps, M and N. M fills the tank completely in 18 hours and N fills it in 9 hours. A leakage at the bottom of the tank can empty the completely filled tank in 27 hours. How long will it take to fill the empty tank completely if both taps are opened while the leakage continues?
Ans	☒ A. $6\frac{4}{7}$ hours
	☒ B. $7\frac{5}{7}$ hours
	☒ C. $6\frac{5}{7}$ hours
	☒ D. $7\frac{3}{7}$ hours

Q.30	The diagonals of a rhombus-shaped field are 224 m and 420 m long. What is the perimeter (in m) of the field?
Ans	☒ A. 952
	☒ B. 922
	☒ C. 904
	☒ D. 944

Section : General Awareness

Q.31	Which extremist leader authored the famous work, <i>Gita Rahasya</i> ?
Ans	☒ A. Bipin Chandra Pal
	☒ B. Aurobindo Ghose
	☒ C. Bal Gangadhar Tilak
	☒ D. Lala Lajpat Rai

Q.32	Which launch vehicle will be used for Chandrayaan-5?
Ans	☒ A. GSLV Mk III
	☒ B. H3-24L
	☒ C. PSLV-C45
	☒ D. GSLV Mk II
Q.33	What does CD stand for in computer terminology?
Ans	☒ A. Compact Disc
	☒ B. Current Directories
	☒ C. Control Datamine
	☒ D. Color Display
Q.34	In a cross between true-breeding red-flowered and true breeding white-flowered plants, the Filial 1 (F ₁) progeny was pink. This is a case of which type of inheritance?
Ans	☒ A. Complete Dominance
	☒ B. Co-dominance
	☒ C. Sex-linkage
	☒ D. Incomplete Dominance
Q.35	The members of the Railway Convention Committee are nominated by which of the following authorities of India?
Ans	☒ A. The Prime Minister of India
	☒ B. The Chairman of the Rajya Sabha
	☒ C. The President of India
	☒ D. The Speaker of the Lok Sabha
Q.36	Which soil type, known for retaining moisture, is ideal for cotton cultivation?
Ans	☒ A. Red soil
	☒ B. Sandy soil
	☒ C. Laterite soil
	☒ D. Black soil
Q.37	Which contribution is correctly associated with Lala Lajpat Rai during the freedom struggle?
Ans	☒ A. Drafting the Nehru Report outlining complete independence for India
	☒ B. Leading the anti-Simon Commission protests, where he suffered fatal injuries
	☒ C. Leading the Bardoli satyagraha against enhanced revenue-demand policies
	☒ D. Commanding the Congress Volunteers during the Salt March in Gujarat
Q.38	Who among the following was associated with the Farazi Movement in Bengal during the 19th century?
Ans	☒ A. U Kiang Nongbah
	☒ B. Birsa Munda
	☒ C. Maznoom Shah
	☒ D. Dadu Mian

Q.39	குடியுரிமைத் திருத்தச் சட்டம் (CAA), 2019-இன்படி, டிசம்பர் 31, 2014 அன்று அல்லது அதற்கு முன்னதாக இந்தியாவிற்குள் வந்த, கீழ்க்கண்ட எந்த நாடுகளைச் சேர்ந்த இந்து, சீக்கிய, பௌத்த, சமண, பார்சி மற்றும் கிறித்தவ குடிமக்கள் இந்தியக் குடியுரிமை பெறத் தகுதியுடையவர்கள் ஆவர்?
Ans	☒ A. ஆப்கானிஸ்தான், இலங்கை மற்றும் பங்களாதேஷ் ☒ B. பூட்டான், பங்களாதேஷ் மற்றும் மாலத்தீவு ☒ C. ஆப்கானிஸ்தான், பங்களாதேஷ் மற்றும் பாகிஸ்தான் ☒ D. பாகிஸ்தான், மியான்மர் மற்றும் நேபாளம்
Q.40	The roads and streets of the Harappan Lower Town were laid out in which pattern?
Ans	☒ A. Radial pattern spreading from a centre ☒ B. Grid pattern intersecting at right angles ☒ C. Circular pattern with curved streets ☒ D. Irregular pattern without fixed alignment
Q.41	Which global event first initiated coordinated international action on environmental protection and development?
Ans	☒ A. Rio Conference, 1992 ☒ B. Johannesburg Summit, 2002 ☒ C. Doha Climate Meeting, 2012 ☒ D. Stockholm Conference, 1972
Q.42	இந்திய அரசியலமைப்பின் படி, அரசு நெறிமுறைப்படுத்தும் கோட்பாடுகள் என்பது, _____ ஆகும்.
Ans	☒ A. முற்றிலும் நிர்வாக விதிகள் ☒ B. அவசர காலங்களில் மட்டுமே நீதிமன்ற நீதிவரம்புக்கு உட்பட்டது ☒ C. நீதிமன்ற நீதிவரம்புக்கு அப்பாற்பட்டது; ஆனால் ஆட்சியில் அடிப்படையாகும் ☒ D. நீதிமன்ற நீதிவரம்புக்கு உட்பட்டது மற்றும் சட்டப்படி நிலைநிறுத்தக்கூடியது
Q.43	Where was the 69 th session of the United Nations Commission on the Status of Women held in March 2025?
Ans	☒ A. Oslo, Norway ☒ B. New York, USA ☒ C. Rio de Janeiro, Brazil ☒ D. Berlin, Germany
Q.44	Which of the following musical genres was considered formal and divine in ancient India?
Ans	☒ A. Dhruvad ☒ B. Gana ☒ C. Gandharva ☒ D. Prabandh
Q.45	The Government of India set up the Price Stabilisation Fund (PSF) to regulate the prices of agri-horticultural commodities in which financial year?
Ans	☒ A. 2019-20 ☒ B. 2016-17 ☒ C. 2014-15 ☒ D. 2012-13

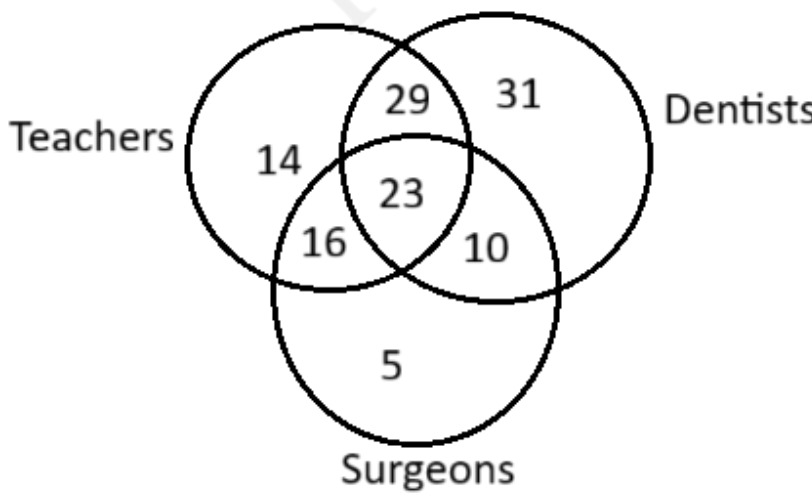
Q.46	In October 2025, India's Society of Association Executives (SAE) officially launched in which of the following cities?	
Ans	☒ A. Bengaluru ☐ B. Ahmedabad ☐ C. New Delhi ☐ D. Patna	
Q.47	Selected for the International Space Station mission in 2025, John McFall, the first disabled astronaut, is associated with which of the following countries?	
Ans	☐ A. Australia ☒ B. United Kingdom ☐ C. United States of America ☐ D. Canada	
Q.48	பின்வருவனவற்றுள் புதுப்பிக்க முடியாத வளம் எது?	
Ans	☐ A. காற்றாற்றல் ☐ B. பயோமாஸ் ☐ C. சூரிய ஆற்றல் ☒ D. பெட்ரோலியம்	
Q.49	மனிதர்களில், புரதங்களின் முழுமையான செரிமானமானது, எந்தப் பொருளின் உருவாக்கத்திற்கு வழிவகுக்கிறது?	
Ans	☒ A. அமினோ அமிலங்கள் ☐ B. கிளிசரால் ☐ C. கொழுப்பு அமிலங்கள் ☐ D. குளுக்கோஸ்	
Q.50	Which of the following is an example of application software used for creating documents?	
Ans	☐ A. Windows ☐ B. BIOS ☐ C. Linux ☒ D. MS Word	
Q.51	Which of the following states accounts for about three-fourths of India's total jute production?	
Ans	☐ A. Bihar ☒ B. West Bengal ☐ C. Assam ☐ D. Odisha	
Q.52	Which approach is crucial for empowering rural women, leading to community development?	
Ans	☐ A. Restricting women's roles to traditional household duties ☐ B. Limiting educational opportunities to urban centres ☒ C. Promoting gender-specific vocational training and education ☐ D. Focussing solely on men's employment programmes	

Q.53	The presence of elaborate gopurams is a defining feature of which temple architectural style?	
Ans	☒ A. Dravidian style	
	☒ B. Nagara style	
	☒ C. Vesara style	
	☒ D. Pala style	
Q.54	Which of the following water bodies separates the Andaman Islands from the Nicobar Islands?	
Ans	☒ A. Ten Degree Channel	
	☒ B. Nine Degree Channel	
	☒ C. Duncan Passage	
	☒ D. Palk Strait	
Q.55	இந்திய அரசியலமைப்புச் சட்டத்தின் 141-வது சட்டப்பிரிவின் படி, உச்ச நீதிமன்றம் வழங்கும் தீர்ப்புகள் அல்லது சட்டங்கள் _____ மீது கட்டுப்படும் என அறிவிக்கப்பட்டுள்ளது	
Ans	☒ A. இந்திய எல்லைக்குள் உள்ள அனைத்து நீதிமன்றங்களும் (All courts within the territory of India)	
	☒ B. மாநில அரசுகள் (State governments)	
	☒ C. சிவில் நீதிமன்றங்களைத் தவிர அனைத்து தீர்ப்பாயங்களும் (All tribunals except civil courts)	
	☒ D. உயர் நீதிமன்றங்கள் மட்டுமே (Only High Courts)	
Q.56	The CPU mainly performs which of the following functions?	
Ans	☒ A. Input and calculation	
	☒ B. Processing and control	
	☒ C. Display and storage	
	☒ D. Storage and output	
Q.57	In October 2025, the Ministry of Minority Affairs announced support to universities to set up Centres of Excellence to promote heritage and classical languages. This initiative was taken under which scheme?	
Ans	☒ A. Maulana Azad National Fellowship (MANF)	
	☒ B. Pradhan Mantri Jan Vikas Karyakram (PMJVK)	
	☒ C. Pradhan Mantri Virasat Ka Samvardhan (PM VIKAS)	
	☒ D. National Minorities Development Finance Corporation (NMDFC)	
Q.58	The S.I. derived unit for Force is the Newton (N). Which combination of S.I. base units is equivalent to the Newton?	
Ans	☒ A. kg·m ² /s ²	
	☒ B. kg·m·s	
	☒ C. kg·m/s	
	☒ D. kg·m/s ²	
Q.59	ஒரு புத்தகமானது மேசையின் மேற்பரப்பில் தள்ளப்படும்போது, முக்கியமாக எந்த வகையான உராய்வு அதன் இயக்கத்தை எதிர்க்கிறது?	
Ans	☒ A. உருளும் உராய்வு (Rolling friction)	
	☒ B. சறுக்கு உராய்வு (Sliding friction)	
	☒ C. பாய்ம உராய்வு	
	☒ D. காந்த உராய்வு	

Q.60	Which of the following trees is characteristic of the tropical deciduous forests of India?
Ans	☒ A. Deodar
	☒ B. Teak
	☒ C. Mangrove
	☒ D. Fir
Q.61	What is the full form of UNDP?
Ans	☒ A. United Nations Deployment Programme
	☒ B. United Nations Development Programme
	☒ C. Union of Nations Deployment Programme
	☒ D. Union of Nations Development Programme
Q.62	Which of the following temples is NOT a prime example of the Dravidian style of temple architecture?
Ans	☒ A. Shore Temple
	☒ B. Gangaikondacholapuram Temple
	☒ C. Brihadeeswara Temple
	☒ D. Siddhesvara Mahadeva Temple
Q.63	Who among the following was awarded the Abel Prize 2025?
Ans	☒ A. Masaki Kashiwara
	☒ B. Avi Wigderson
	☒ C. Luis Caffarelli
	☒ D. Karen Uhlenbeck
Q.64	According to the Sustainable Development Goals National Indicator Framework (SDG NIF) Progress Report of 2025, social protection coverage rose from 22% in 2016 to what percentage in 2025?
Ans	☒ A. 64.3%
	☒ B. 55%
	☒ C. 78%
	☒ D. 40%
Q.65	Which article implicitly prohibits 'dual citizenship' in India?
Ans	☒ A. Article 5
	☒ B. Article 9
	☒ C. Article 7
	☒ D. Article 3
Q.66	சுந்தரவன சதுப்புநிலங்களில் காற்றில் பாயும் நுண்ணுயிரிகளைக் கண்டறிவதற்கான, 2025 ஆம் ஆண்டு ஆய்வானது எந்த நிறுவனத்தைச் சேர்ந்த விஞ்ஞானிகளால் செய்யப்பட்டது?
Ans	☒ A. WII டேராடூன்
	☒ B. IISER கொல்கத்தா
	☒ C. NIO கோவா
	☒ D. IIT கரக்பூர்

Q.67	Which of the following is NOT a function of the President?
Ans	☒ A. Promulgating ordinances ☒ B. Presiding over Rajya Sabha sessions ☒ C. Granting pardons and remissions ☒ D. Summoning and proroguing Parliament
Q.68	In modern Windows versions (Windows 10/11), which Task Manager tab allows users to monitor real-time graphics card utilization for individual applications?
Ans	☒ A. Processes ☒ B. App History ☒ C. Startup ☒ D. Performance
Q.69	Which among the following kings from the early medieval period assumed the title "Gangaikonda"?
Ans	☒ A. Vijayalaya ☒ B. Rajendra I ☒ C. Pulakesin II ☒ D. Rajaraja I
Q.70	இல்துத்மிஷின் மகளான ரஸியா, துருக்கியப் பிரபுக்களால் பதவியிலிருந்து அகற்றப்படுவதற்கு முன்பு, எந்த ஆண்டுகளுக்கு இடைப்பட்ட காலத்தில் டெல்லி சுல்தானியத்தை ஆட்சி செய்தார்?
Ans	☒ A. 1236-1240 ☒ B. 1230-1236 ☒ C. 1246-1250 ☒ D. 1240-1246

Section : General Intelligence and Reasoning

Q.71	Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.) How many such Teachers are there who are also Dentists but not Surgeons? 
Ans	☒ A. 14 ☒ B. 5 ☒ C. 29 ☒ D. 16

Q.72	What should come in place of '?' in the given series based on the English alphabetical order? MFJ JCG GZD DWA ?	
Ans	☒ A. AKR	
	☒ B. ATZ	
	☒ C. ATX	
	☒ D. ASY	
Q.73	Each of the digits in the number 52178436 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the number thus formed?	
Ans	☒ A. 11	
	☒ B. 8	
	☒ C. 9	
	☒ D. 10	
Q.74	Each of the digits in the number 36857219 is arranged in the ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?	
Ans	☒ A. 11	
	☒ B. 9	
	☒ C. 10	
	☒ D. 8	
Q.75	Refer to the following letter series and answer the question that follows. Counting to be done from left to right only. (Left) K D D U R V U D E C Q D V A D R D G D E D Z D J (Right) How many such D's are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?	
Ans	☒ A. Four	
	☒ B. Two	
	☒ C. Three	
	☒ D. Five	
Q.76	Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern. DIP : GLS BST : EVW	
Ans	☒ A. TEL : VHP	
	☒ B. HKD : KNG	
	☒ C. CIG : FKJ	
	☒ D. EHL : IFP	
Q.77	In a certain code language, A + B means 'A is the son of B', A – B means 'A is the brother of B', A x B means 'A is the wife of B' and A ÷ B means 'A is the father of B'. Based on the above, how is S related to K if 'S – D + F ÷ H x K'?	
Ans	☒ A. Brother	
	☒ B. Wife's father	
	☒ C. Wife's brother	
	☒ D. Father	

Q.78	What should come in place of '?' in the given series? 67 70 ? 85 97 112
Ans	☒ A. 82
	☒ B. 78
	☒ C. 76
	☒ D. 80
Q.79	Each vowel in the word CURRENT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?
Ans	☒ A. G
	☒ B. E
	☒ C. F
	☒ D. H
Q.80	Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (2, 7, 14) (3, 16, 48)
Ans	☒ A. (4, 6, 20)
	☒ B. (5, 3, 15)
	☒ C. (8, 6, 56)
	☒ D. (6, 7, 48)
Q.81	In a row of 22 students facing North, Sunil is 17th from the left end. If Deepak is 3rd to the right of Sunil, what is Deepak's position from the right end of the row?
Ans	☒ A. 4th
	☒ B. 1st
	☒ C. 3rd
	☒ D. 2nd
Q.82	In a row of 54 students facing the north, Gagan is 13 th from the right end. If Nitin is 17 th to the left of Gagan, what is Nitin's position from the left end of the line?
Ans	☒ A. 23rd
	☒ B. 25th
	☒ C. 27th
	☒ D. 30th
Q.83	Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.) (Left) 4 6 2 9 1 4 9 7 1 7 6 5 3 6 4 1 4 3 8 4 2 2 3 9 9 7 6 (Right) How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)
Ans	☒ A. Three
	☒ B. Two
	☒ C. One
	☒ D. None

Q.84	JDHK is related to OIMP in a certain way based on the English alphabetical order. In the same way, MGKN is related to RLPS. To which of the following is PJNQ related, following the same logic?
Ans	✗ A. OUVS ✗ B. OUSV ✓ C. UOSV ✗ D. UOVS
Q.85	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)
Ans	✓ A. EH-JB ✗ B. LO-QJ ✗ C. OR-TM ✗ D. HK-MF
Q.86	In a certain code language, J ÷ Q means 'J is the brother of Q', J x Q means 'J is the mother of Q', J – Q means 'J is the husband of Q' and J + Q means 'J is the father of Q'. Based on the above, how is A related to F if 'A + B ÷ C – D x E ÷ F'?
Ans	✗ A. Mother's father ✓ B. Father's father ✗ C. Mother's brother ✗ D. Wife's father
Q.87	What should come in place of '?' in the given series? 5 ? 10 19 35 60
Ans	✗ A. 9 ✗ B. 8 ✗ C. 7 ✓ D. 6
Q.88	Which of the following options should come in place of the '?' in the given series based on the English alphabetical order? R 45, A 40, J 35, S 30, ?
Ans	✓ A. B 25 ✗ B. V 25 ✗ C. X 25 ✗ D. T 25
Q.89	Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)
Ans	✓ A. TTP ✗ B. QPM ✗ C. BAX ✗ D. SRO

Q.90	QX 18 is related to SS 4 in a certain way. In the same way, EL 10 is related to GG -4. To which of the following is IJ 5 related, following the same logic?
Ans	☒ A. HF -8
	☒ B. TR -5
	☒ C. KE -9
	☒ D. KL -11
Q.91	Seven people, N, V, C, Y, E, F and G, are sitting in a row, facing north. Only two people sit to the left of V. F sits fourth from the right end. Only two people sit between N and V. E is the immediate neighbour of G and V. Y does not sit to the right of C. How many people sit between Y and E?
Ans	☒ A. Two
	☒ B. Four
	☒ C. Five
	☒ D. Three
Q.92	Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. No box is kept above O. Only three boxes are kept between O and S. Only one box is kept between Q and M. M is kept immediately above S. Only four boxes are kept between Q and P. R is kept at some place above N. Which box is kept second below R?
Ans	☒ A. S
	☒ B. N
	☒ C. O
	☒ D. Q
Q.93	In a certain code language, 'DONE' is coded as '5432' and 'CODE' is coded as '2835'. What is the code for 'C' in the given code language?
Ans	☒ A. 5
	☒ B. 3
	☒ C. 2
	☒ D. 8
Q.94	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: All vehicles are machines. Some machines are tools. Conclusions: (I) Some vehicles are tools. (II) All tools are machines.
Ans	☒ A. Only conclusion (I) follows
	☒ B. Only conclusion (II) follows
	☒ C. Both conclusions (I) and (II) follow
	☒ D. Neither conclusion (I) nor (II) follows
Q.95	Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)
Ans	☒ A. PRT
	☒ B. SUW
	☒ C. HJL
	☒ D. CEH

Q.96	In a certain code language, 'BRAK' is coded as '4938' and 'ARCK' is coded as '2849'. What is the code for 'C' in the given code language?	
Ans	☒ A. 8	
	☒ B. 9	
	☒ C. 2	
	☒ D. 4	
Q.97	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? GDH 66 FCG 61 EBF 56 DAE 51 ?	
Ans	☒ A. CYC 45	
	☒ B. CAC 46	
	☒ C. CZD 46	
	☒ D. CKT 45	
Q.98	Mr. Yorly starts from Point A and drives 16 km towards South. He then takes a right turn, drives 14 km, turns right and drives 44 km. He then takes a right turn and drives 2 km, turns right drives 15 km. He then takes a left turn drives 21 km. He takes a final right turn, drives 13 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)	
Ans	☒ A. 9 km to the West	
	☒ B. 11 km to the South	
	☒ C. 10 km to the East	
	☒ D. 16 km to the North	
Q.99	Each of the digits in the number 1358274 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?	
Ans	☒ A. Three	
	☒ B. One	
	☒ C. Zero	
	☒ D. Two	
Q.100	A, B, D, J, O, T and Z are sitting around a circular table facing the center. Only two people sit between O and D when counted from the left of D. J sits third to the left of B. A sits to the immediate right of B. A sits second to the left of O. Z is an immediate neighbor of J. How many people sit between O and Z when counted from the right of O?	
Ans	☒ A. Two	
	☒ B. One	
	☒ C. Four	
	☒ D. Three	



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	07/05/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 If $\sqrt{x}$ of $\sqrt{2601} = (\sqrt{1089} + \sqrt{324}) \times 35$. Find the value of x.

- Ans
- ☒ A. 1223
 - ☒ B. 1227
 - ☒ C. 1225
 - ☒ D. 1221

Q.2 A store sells pens and notebooks. If 3 pens and 2 notebooks cost ₹120, and 2 pens and 4 notebooks cost ₹140, what is the price of one notebook?

- Ans
- ☒ A. ₹35.00
 - ☒ B. ₹32.50
 - ☒ C. ₹25.00
 - ☒ D. ₹22.50

Q.3 A shopkeeper wants to earn a profit of $11\frac{1}{9}\%$ even after giving two successive discounts of $16\frac{2}{3}\%$ and 20% on the marked price of an article. If the cost price of the article for the shopkeeper is ₹1800, what should its marked price be?

- Ans
- ☒ A. ₹2800
 - ☒ B. ₹2500
 - ☒ C. ₹3200
 - ☒ D. ₹3000

Q.4 If the third proportional to two numbers is 32 and the second number is 16, find the first number.

- Ans
- ☒ A. 7
 - ☒ B. 5
 - ☒ C. 8
 - ☒ D. 6

Q.5 The 7-digit number 32A776B is divisible by 24. What is the minimum value of (A + B)?

- Ans
- ☐ A. 6
 - ☒ B. 2
 - ☐ C. 4
 - ☐ D. 5

Q.6 The sum of two positive numbers is 30 and their product is 176. The positive difference between them is:

- Ans
- ☐ A. 7
 - ☒ B. 14
 - ☐ C. 24
 - ☐ D. 10

Q.7 If $2\cos^2x - 1 = \frac{1}{2}$ for $0^\circ < x < 90^\circ$, then the value of $\sec 2x + \operatorname{cosec} x + \cot^2 x$ is

- Ans
- ☐ A. 11
 - ☐ B. 5
 - ☐ C. 9
 - ☒ D. 7

Q.8 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 39% and 3% on any number of toys bought.
(B) Successive discounts of 36%, 13% and 8% on any number of toys bought.
(C) 18% discount on the first 2 toys and 41% discount on each toy thereon.
(D) 5 toys free of cost on buying 7 toys.
A customer wants to buy 7 toys. Which of the above schemes is the least beneficial to her?

- Ans
- ☐ A. A
 - ☒ B. C
 - ☐ C. D
 - ☐ D. B

Q.9 The salary of an employee is increased by 5% in the first year and again by 5% in the second year. What is the overall percentage increase in the salary after two years?

- Ans
- ☐ A. 10%
 - ☒ B. 10.25%
 - ☐ C. 11.5%
 - ☐ D. 11%

Q.10 A 104-metre-long train crosses another 94-metre-long train running in the same direction in 16.2 seconds. If the speed of the first train is 61 kmph, what is the speed of the second train in kmph?

- Ans
- ☐ A. 105 km/hr
 - ☐ B. 109 km/hr
 - ☒ C. 17 km/hr
 - ☐ D. 101 km/hr

Q.11 Ravi spends 70% of his income. If his income increases by 25% and his expenditure increases by 10%, by what percentage do his savings increase?

- Ans
- ☒ A. Savings increase by 60%
 - ☐ B. Savings increase by 50%
 - ☐ C. Savings increase by 40%
 - ☐ D. Savings increase by 30%

Q.12 The fourth proportional to 1.2, 4.8, and 7.15 is:

- Ans**
- ☐ A. 28.4
 - ☒ B. 28.6
 - ☐ C. 28.2
 - ☐ D. 28.8

Q.13 Given the data set: 12, 36, 22, 27, 31, 17. What is the median value?

- Ans**
- ☐ A. 26.5
 - ☒ B. 24.5
 - ☐ C. 22
 - ☐ D. 27

Q.14 The total surface area of a cube having side 86 cm is:

- Ans**
- ☐ A. 44,294 cm²
 - ☒ B. 44,376 cm²
 - ☐ C. 44,462 cm²
 - ☐ D. 44,325 cm²

Q.15 A quadrilateral has one diagonal of length 36 cm, and the perpendiculars from the other two vertices to this diagonal are 20 cm and 10 cm. What is the area of this quadrilateral?

- Ans**
- ☐ A. 360 cm²
 - ☐ B. 600 cm²
 - ☒ C. 540 cm²
 - ☐ D. 480 cm²

Q.16 During a sale, 40% of the goods are sold at a profit of 10%. Of the remaining goods, 25% are sold at a profit of 15%, and the rest are sold at a loss of 29%. If there is an overall loss of x%, find the value of x.

- Ans**
- ☐ A. 1.5
 - ☐ B. 2
 - ☒ C. 6.8
 - ☐ D. 3.5

Q.17 Two numbers are in the ratio 4 : 5. If their LCM is 240, what is the sum of the two numbers?

- Ans**
- ☒ A. 108
 - ☐ B. 96
 - ☐ C. 120
 - ☐ D. 100

Q.18 The sum of the present ages of a mother and her daughter is 50 years. Five years ago, the mother's age was 7 times the daughter's age. What is the present age of the mother?

- Ans**
- ☒ A. 40 years
 - ☐ B. 38 years
 - ☐ C. 35 years
 - ☐ D. 42 years

Q.19 A rectangular garden has a length of 25 meters and a width of 18 meters. If a path of uniform width 2 meters is constructed around the outside of the garden, what is the perimeter of the outer edge of the path?

- Ans**
- ☐ A. 86 meters
 - ☐ B. 98 meters
 - ☐ C. 112 meters
 - ☒ D. 102 meters

Q.20 A train, 380 meters long, crosses a stationary train of length 340 m in 16 seconds. Find the speed of the train.

- Ans**
- ☒ A. 162 km/h
 - ☐ B. 164 km/h
 - ☐ C. 166 km/h
 - ☐ D. 160 km/h

Q.21 Simplify: $\frac{(1.5 \times 0.2)}{0.3}$

- Ans**
- ☐ A. 10
 - ☒ B. 1
 - ☐ C. 0.1
 - ☐ D. 0.01

Q.22 The cost price of 25 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

- Ans**
- ☐ A. 23
 - ☐ B. 18
 - ☒ C. 20
 - ☐ D. 16

Q.23 What is the mode of the following data?

40, 41, 42, 51, 45, 43, 45, 43, 51, 40, 51, 54, 46, 50, 55, 47, 42, 46

- Ans**
- ☐ A. 41
 - ☒ B. 51
 - ☐ C. 40
 - ☐ D. 42

Q.24 Simplify: $30 + \{-9 \times (26 - 11 + 6)\}$

- Ans**
- ☐ A. -160
 - ☐ B. -162
 - ☒ C. -159
 - ☐ D. -161

Q.25 A tank is normally filled by pipe A in 10 hours. Due to a leak, the tank takes 12 hours to fill. Find the time taken by the leak alone to empty a full tank.

- Ans**
- ☒ A. 60 hours
 - ☐ B. 40 hours
 - ☐ C. 30 hours
 - ☐ D. 80 hours

Q.26 The mean proportional between two positive numbers is 30. If the difference between the two numbers is 45, what is the smaller of the two numbers?

- Ans**
- ☐ A. 12
 - ☒ B. 15
 - ☐ C. 18
 - ☐ D. 21

Q.27 If a sum of ₹70,000 amounts to ₹74,263 in X years under compound interest, compounded annually at 3% per annum, find X.

- Ans**
- ☐ A. 5
 - ☒ B. 2
 - ☐ C. 4
 - ☐ D. 3

Q.28 If ₹25,200 is invested at a simple interest rate of 6% per annum for 4 years, find the interest earned.

- Ans**
- ☐ A. ₹6,070
 - ☐ B. ₹6,025
 - ☒ C. ₹6,048
 - ☐ D. ₹8,021

Q.29 A and B can do a piece of work in 12 days and 36 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☒ A. 20
 - ☐ B. 22
 - ☐ C. 19
 - ☐ D. 21

Q.30 Three numbers are in the ratio 3 : 2 : 13, and their LCM is 6318. Their HCF is:

- Ans**
- ☐ A. 80
 - ☐ B. 128
 - ☐ C. 124
 - ☒ D. 81

Section : General Awareness

Q.31 In genetics, a gene refers to which of the following?

- Ans**
- ☐ A. A sex chromosome
 - ☐ B. A unit of blood group
 - ☒ C. A section of DNA that codes for a protein
 - ☐ D. A type of chromosome

Q.32 Which of the following Harappan sites yielded excellent examples of metal-cast sculptures?

- Ans**
- ☐ A. Nageshwar
 - ☐ B. Kalibangan
 - ☒ C. Daimabad
 - ☐ D. Rangpur

Q.33 According to the Constitution of India, which constitutional body advises the President on the principles governing grants-in-aid to States from the Consolidated Fund of India?

- Ans**
- ☐ A. Planning Commission
 - ☐ B. Comptroller and Auditor General of India
 - ☒ C. Finance Commission
 - ☐ D. NITI Aayog

Q.34 Provisions for the 'Control over subordinate courts' are provided in which of the following Articles of the Constitution of India?

- Ans**
- ☐ A. Article 225
 - ☒ B. Article 235
 - ☐ C. Article 255
 - ☐ D. Article 245

Q.35 How many Indian languages hold Classical Language status as of October 2025?

- Ans**
- ☐ A. 8
 - ☐ B. 6
 - ☒ C. 11
 - ☐ D. 10

Q.36 Which type of climate characterises the Great Indian Desert?

- Ans**
- ☐ A. Humid subtropical climate
 - ☒ B. Arid and semi arid climate
 - ☐ C. Tropical monsoon climate
 - ☐ D. Equatorial climate

Q.37 A Sultan of Delhi attempted to strengthen control over the Deccan by shifting his capital from Delhi to Deogir (Daulatabad), a decision that later proved controversial due to administrative difficulties. Who took this measure?

- Ans**
- ☒ A. Muhammad bin Tughlaq
 - ☐ B. Alauddin Khalji
 - ☐ C. Ghiyasuddin Tughlaq
 - ☐ D. Firoz Shah Tughlaq

Q.38 Which of the following wind systems is primarily responsible for the rainfall over the Coromandel coast during the winter season?

- Ans**
- ☐ A. Western disturbances
 - ☐ B. Westerlies
 - ☒ C. Northeast monsoon winds
 - ☐ D. Southwest monsoon winds

Q.39 India signed a Memorandum of Understanding (MoU) on 25 February 2026 to strengthen cooperation in forests, wildlife, environment, biodiversity conservation, and climate change with which country?

- Ans**
- ☐ A. Bangladesh
 - ☒ B. Nepal
 - ☐ C. Bhutan
 - ☐ D. Sri Lanka

Q.40 Which of the following features characterises Stage III of demographic transition?

- Ans**
- ☒ A. Low fertility and low mortality
 - ☐ B. Rapid death rate increase
 - ☐ C. High mortality and high fertility
 - ☐ D. High migration and low death rate

Q.41 In April 2025, BRIC-InStem in Bengaluru collaborated with which medical institution to successfully conduct India's first gene therapy trial for Haemophilia?

- Ans**
- ☐ A. Indian Council of Medical Research
 - ☒ B. Christian Medical College, Vellore
 - ☐ C. All India Institute of Medical Sciences, New Delhi
 - ☐ D. Gandhi Medical College, Hyderabad

Q.42 Which institution handles the promotion of Classical Languages under the Ministry of Education?

- Ans**
- ☐ A. Sahitya Akademi of India
 - ☐ B. Indira Gandhi National Centre for the Arts
 - ☐ C. Archaeological Survey of India
 - ☒ D. Central Institute of Indian Languages

Q.43 Which of the following statements most accurately describes the social structure of Mauryan society in ancient India?

- Ans**
- ☒ A. An organised society with distinct social classes and a wide range of occupational groups
 - ☐ B. Exclusively tribal society with absence of settled agriculture
 - ☐ C. Society controlled only by mercantile guilds with no other social groups
 - ☐ D. A completely egalitarian society without any form of social or occupational differentiation

Q.44 When dilute Hydrochloric acid (HCl) reacts with Sodium Hydrogen Carbonte (NaHCO_3), which is the product formed along with Sodium chloride(NaCl) and Water(H_2O)?

- Ans**
- ☐ A. Ammonium Chloride (NH_4Cl)
 - ☐ B. Chloroform (CHCl_3)
 - ☐ C. Hydrogen gas(H_2)
 - ☒ D. Carbon Dioxide(CO_2)

Q.45 Which central initiative by Indian Railways has rescued over 260 missing or trafficked children between January 2024 and April 2025?

- Ans**
- ☐ A. Operation Shakti
 - ☐ B. Mission Vatsalya Rail Drive
 - ☒ C. Operation Nanhe Farishte
 - ☐ D. Childline Express

Q.46 Control over district and subordinate courts' posting, promotion and leaves of judges vests primarily in which authority?

- Ans**
- ☐ A. Law Ministry of India
 - ☐ B. Parliament
 - ☒ C. High Court
 - ☐ D. President of India

Q.47 Which circumstance directly triggered Gandhi's decision to launch the Rowlatt Satyagraha in 1919?

- Ans**
- ☐ A. The cancellation of wartime recruitment policies in northern India.
 - ☐ B. The British announcement of new taxation on agricultural harvests.
 - ☐ C. The rejection of Indian demands for complete dominion status by Britain.
 - ☒ D. The enactment of laws enabling detention without trial despite resistance.

Q.48 Which of the following memory types is non-volatile?

- Ans**
- ☐ A. CPU
 - ☐ B. PCB
 - ☐ C. RAM
 - ☒ D. ROM

Q.49 Where was the capital of the Estado da India located?

- Ans**
- ☐ A. Lisbon
 - ☒ B. Goa
 - ☐ C. Malacca
 - ☐ D. Cochin

Q.50 Which Article of the Indian Constitution mentions the Power of Parliament to amend the Constitution?

- Ans**
- ☐ A. Article 359
 - ☒ B. Article 368
 - ☐ C. Article 360
 - ☐ D. Article 361

Q.51 Which part of the musculoskeletal system is primarily responsible for protecting the brain?

- Ans**
- ☐ A. Pelvic girdle
 - ☐ B. Spine
 - ☒ C. Skull
 - ☐ D. Rib cage

Q.52 Which digital file format is widely used to save three-dimensional models for 3D printing? It is the standard format supported by most 3D printers.

- Ans**
- ☐ A. PDF
 - ☐ B. DOCX
 - ☒ C. STL
 - ☐ D. XLSX

Q.53 Which of the following is a tertiary sector activity?

- Ans**
- ☐ A. Mining
 - ☐ B. Manufacturing
 - ☐ C. Farming
 - ☒ D. Teaching

Q.54 A computer cannot open a printer without a driver. This driver is an example of a/an:

- Ans**
- ☒ A. System software
 - ☐ B. Document file
 - ☐ C. Input device
 - ☐ D. Game

Q.55 Which feature distinguishes ROM from RAM?

- Ans**
- ☐ A. ROM is faster than RAM.
 - ☒ B. ROM stores permanent instructions; RAM stores temporary data.
 - ☐ C. ROM is used for storage; RAM is used for graphics.
 - ☐ D. ROM is volatile; RAM is non-volatile.

Q.56 The Industrial Policy of 1991 led to:

- Ans**
- ☐ A. Decrease in private sector participation
 - ☐ B. Nationalization of key industries
 - ☐ C. Establishment of public sector monopolies
 - ☒ D. Abolishing industrial licensing for most industries

Q.57 Which of the following is NOT a true element of Harappan architecture?

- Ans**
- ☐ A. Cities included public buildings and well-planned houses
 - ☐ B. Buildings in Harappan cities were made of standardized baked bricks
 - ☐ C. Architecture focused on functional design rather than decoration
 - ☒ D. Cities had magnificent palaces, monuments and royal tombs

Q.58 Which one of the following economic factors attracts population to an area?

- Ans**
- ☐ A. High cost of living
 - ☐ B. Limited transportation facilities
 - ☒ C. Industrial development
 - ☐ D. Lack of job opportunities

Q.59 Who among the following has been sworn in as the President of Uruguay on 1 March 2025?

- Ans**
- ☒ A. Yamandu Orsi
 - ☐ B. Jair Bolsonaro
 - ☐ C. Claudia Sheinbaum
 - ☐ D. Masoud Pezeshkian

Q.60 In August 2025, India's first-ever grassland bird census using passive acoustic monitoring and AI tools was highlighted by the Prime Minister in his Mann ki Baat address. In which national park was this census conducted?

- Ans**
- ☐ A. Sultanpur National Park, Haryana
 - ☒ B. Kaziranga National Park, Assam
 - ☐ C. Keoladeo National Park, Rajasthan
 - ☐ D. Jim Corbett National Park, Uttarakhand

Q.61 In early July 2025, the 17th BRICS Leaders' Summit convened in which city?

- Ans**
- ☐ A. Johannesburg
 - ☐ B. New Delhi
 - ☒ C. Rio de Janeiro
 - ☐ D. Shanghai

Q.62 What was the all-India coal production in the year 2023-24?

- Ans**
- ☐ A. 697.82 Million Tonne (MT)
 - ☐ B. 1200.17 Million Tonne (MT)
 - ☐ C. 1435.32 Million Tonne (MT)
 - ☒ D. 997.826 Million Tonne (MT)

Q.63 Which metal reacts violently with cold water, producing a metal hydroxide, hydrogen gas, and enough heat for the hydrogen to catch fire?

- Ans**
- ☐ A. Aluminium
 - ☒ B. Potassium
 - ☐ C. Calcium
 - ☐ D. Magnesium

Q.64 The Tibetan Plateau, often referred to as the Roof of the World, represents which type of natural vegetation region?

- Ans**
- ☐ A. Polar Desert
 - ☒ B. Alpine Tundra
 - ☐ C. Arctic Tundra
 - ☐ D. Temperate Grassland

Q.65 The 106th Constitutional Amendment inserted which of the following new Articles in the Constitution?

- Ans**
- ☐ A. 339A, 341B
 - ☐ B. 325A, 327A
 - ☐ C. 371A, 371B
 - ☒ D. 330A, 332A

Q.66 Who topped the 2025 Times Higher Education Asia University Rankings?

- Ans**
- ☐ A. University of Hong Kong
 - ☐ B. Seoul National University
 - ☐ C. Kyoto University
 - ☒ D. Tsinghua University

Q.67 How can developing countries like India reduce inter-regional disparities in human development within the education and healthcare sectors in the 21st century?

- Ans**
- ☐ A. By focusing all development efforts on capital cities
 - ☐ B. By centralising economic activities in urban areas
 - ☐ C. By reducing investments in rural education and health
 - ☒ D. By implementing region-specific policies and resource allocation

Q.68 What was the venue of the first BIMSTEC Youth Summit held in February 2025?

- Ans**
- ☐ A. Hyderabad, Telangana
 - ☐ B. Bhopal, Madhya Pradesh
 - ☒ C. Gandhinagar, Gujarat
 - ☐ D. New Delhi

Q.69 Which type(s) of Legislatures can a state have under the Indian Constitution?

- Ans**
- ☒ A. Either a single-house or two-house systems
 - ☐ B. Only single-house systems
 - ☐ C. Only two-house systems
 - ☐ D. Only the Parliament can decide

Q.70 Which prominent Indian reformer founded the Poona Sarvajanik Sabha during the Indian National movement?

- Ans**
- ☐ A. Dadabhai Naoroji
 - ☐ B. Gopal Hari Deshmukh (Lokhitwadi)
 - ☒ C. Mahadev Govind Ranade
 - ☐ D. Gopal Krishna Gokhale

Q.71 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below G. Only one box is kept above B. Only one box is kept between B and A. F is kept immediately above E. D is kept at some place below C. Which box is kept at the top?

- Ans**
- ☐ A. A
 - ☐ B. D
 - ☒ C. C
 - ☐ D. B

Q.72 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. YI - BM
 - ☐ B. GV - JZ
 - ☐ C. BU - EY
 - ☒ D. OS - RV

Q.73 Eight people, A, B, M, N, S, T, Y and Z, are sitting in a row, facing north. S sits second to the left of Y and S sits third to the right of N. Y sits at one of the extreme ends. T sits to the immediate right of A. B sits to the immediate left of M and M sits second to the left of Z. Who sits at the extreme left end of the row?

- Ans**
- ☐ A. S
 - ☒ B. A
 - ☐ C. M
 - ☐ D. B

Q.74 What should come in place of the question mark (?) in the given series?

26 34 45 53 64 72 ?

- Ans**
- ☐ A. 86
 - ☐ B. 81
 - ☐ C. 88
 - ☒ D. 83

Q.75 Each letter in the word NERVOUS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter cluster thus formed?

- Ans**
- ☐ A. 3
 - ☐ B. 4
 - ☒ C. 0
 - ☐ D. 1

Q.76 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$215 - 147 \div 110 + 1604 \times 4 = ?$

- Ans**
- ☐ A. 18588
 - ☒ B. 15984
 - ☐ C. 14948
 - ☐ D. 19584

Q.77 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below A. Only one box is kept above E. Only one box is kept between E and B. C is kept immediately above G. D is kept at some place below F. How many boxes are kept between A and D?

- Ans**
- ☐ A. 3
 - ☒ B. 1
 - ☐ C. 2
 - ☐ D. 4

Q.78 What should come in place of '?' in the given series?

20 ? 38 56 80 110

- Ans**
- ☐ A. 22
 - ☐ B. 24
 - ☐ C. 32
 - ☒ D. 26

Q.79 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 325
19, 362

- Ans**
- ☐ A. 14, 196
 - ☐ B. 21, 440
 - ☒ C. 22, 485
 - ☐ D. 20, 399

Q.80 Each of the digits in the number 3147856 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. One
 - ☐ B. Two
 - ☐ C. Three
 - ☐ D. None

Q.81 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. GDH
 - ☒ B. DAF
 - ☐ C. MJN
 - ☐ D. JGK

Q.82 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: Some cups are jugs. Some jugs are vases.

Conclusion (I) : Some cups are vases

Conclusion (II) : All vases are jugs

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (I) follows
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (II) follows

Q.83 IP 18 is related to KL 4 in a certain way. In the same way, KL 16 is related to MH 2. To which of the following is AT 9 related, following the same logic?

- Ans**
- ☒ A. TR -1
 - ☒ B. BK -9
 - ☒ C. JO -6
 - ☒ D. CP -5

Q.84 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some papers are rains.

All rains are trees.

Conclusions:

(I) Some papers are trees.

(II) All trees are rains.

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (I) follows

Q.85 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

ROSE - RSEO - OSRE

JUGS - JGSU - UGJS

- Ans**
- ☒ A. PING - PNGI - INPG
 - ☒ B. LADY - LDYA - ALYD
 - ☒ C. COLD - OCLD - OLDC
 - ☒ D. BOND - BNOD - DNOB

Q.86 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. PMO
 - ☒ B. XTW
 - ☒ C. FBE
 - ☒ D. JFI

Q.87 Each of the digits in the number 3516472 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ A. Two
 - ☐ B. One
 - ☐ C. Three
 - ☒ D. Zero

Q.88 In a certain code language, 'PRIME' is coded as '37862' and 'REMAP' is coded as '87423'. What is the code for 'A' in the given code language?

- Ans**
- ☐ A. 3
 - ☒ B. 4
 - ☐ C. 7
 - ☐ D. 2

Q.89 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JL – MO – PR
EG – HJ – KM

- Ans**
- ☐ A. CH – GK – JO
 - ☐ B. DP – GS – JU
 - ☐ C. NF – RJ – TL
 - ☒ D. MO – PR – SU

Q.90 Neha starts from Point A and drives 11 km towards the east. She then takes a right turn, drives 8 km, turns right and drives 14 km. She then takes a right turn and drives 12 km. She takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 4 km to the south
 - ☐ B. 2 km to the north
 - ☐ C. 3 km to the south
 - ☐ D. 1 km to the north

Q.91 What should come in place of the question mark (?) in the given series to make it logically complete?

MU1, NQ4, PN16, SL64, ?

- Ans**
- ☐ A. RJ256
 - ☐ B. SJ258
 - ☐ C. SK256
 - ☒ D. WK256

Q.92 Each vowel in the word CURRENT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the left in the new group of letters thus formed?

- Ans**
- ☐ A. P
 - ☒ B. Q
 - ☐ C. R
 - ☐ D. S

Q.93 Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only E sits to the left of K. Only four people sit between E and T. Only C sits between I and R, and I is not an immediate neighbor of T. Who sits at the extreme right of the line?

- Ans**
- ☒ A. S
 - ☐ B. E
 - ☐ C. K
 - ☐ D. I

Q.94 Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. Only five boxes are kept above D. Only three boxes are kept between D and C. Only four boxes are kept between C and S. Only E is kept between C and B. R is kept at one of the positions above C. How many boxes are kept between Q and S?

- Ans**
- ☐ A. Three
 - ☒ B. One
 - ☐ C. Four
 - ☐ D. Two

Q.95 In a certain code language,
A + B means 'A is the son of B',
A – B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

Based on the above, how is S related to K if 'S + D ÷ F – H x K'?

- Ans**
- ☒ A. Wife's brother
 - ☐ B. Father
 - ☐ C. Brother
 - ☐ D. Wife's father

Q.96 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) Z Q M H J E K D E L K Z V N E A T Q R Z U (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- Ans**
- ☒ A. Four
 - ☐ B. Two
 - ☐ C. Three
 - ☐ D. One

Q.97 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

NFG 49, PIK 36, RLO 25, TOS 16, ?

- Ans**
- ☒ A. VRW 9
 - ☐ B. USV 10
 - ☐ C. USW 9
 - ☐ D. VRV 10

Q.98 In a certain code language,

J × Q means 'J is the sister of Q',
J ÷ Q means 'J is the father of Q',
J + Q means 'J is the husband of Q' and
J – Q means 'J is the mother of Q'.

Based on the above, how is S related to W if 'S + T – U ÷ V × W × Y'?

- Ans
- ☒ A. Mother's brother
 - ☒ B. Father's father
 - ☒ C. Wife's brother
 - ☒ D. Mother's father

Q.99 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
EAW 91 XTP 98 QMI 105 JFB 112 ?

- Ans
- ☒ A. CYU 119
 - ☒ B. CXT 118
 - ☒ C. CZT 119
 - ☒ D. CLV 118

Q.100 In a certain code language, 'van elf sand' is coded as 'ld ii ne' and 'elf poem desk' is coded as 'ir le ii'. How is 'elf' coded in the given language? (All codes are two-letter codes.)

- Ans
- ☒ A. ne
 - ☒ B. ir
 - ☒ C. ii
 - ☒ D. ld



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	08/05/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 If the salary of a person is first increased by 15% and thereafter decreased by 12%, what is the net change in his salary?

- Ans
- ☒ A. 1.4% decrease
 - ☒ B. 1.2% increase
 - ☒ C. 1.32% decrease
 - ☒ D. 1.2% decrease

Q.2 Evaluate $21^3 + (-2)^3 + (-19)^3$

- Ans
- ☒ A. 2397
 - ☒ B. 2468
 - ☒ C. 2394
 - ☒ D. 2354

Q.3 Which of the following numbers is not divisible by 88?

- Ans
- ☒ A. 1232
 - ☒ B. 1144
 - ☒ C. 968
 - ☒ D. 1058

Q.4 The average of 5 numbers is 18.5. If one number is removed, the average of the remaining 4 numbers becomes 16. Find the number that was removed.

- Ans
- ☒ A. 28
 - ☒ B. 29.5
 - ☒ C. 28.5
 - ☒ D. 29

Q.5 The ages of a mother and daughter are 36 years and 12 years, respectively. In how many years will the mother be twice the age of the daughter?

- Ans
- ☒ A. 15 years
 - ☒ B. 8 years
 - ☒ C. 10 years
 - ☒ D. 12 years

Q.6 The length of each edge of a cube is 10 cm. If a sphere is inscribed inside the cube, what is the ratio of the surface area of the sphere to the outer surface area of the cube?

- Ans
- ☒ A. $\pi:3$
 - ☒ B. $\pi:6$
 - ☒ C. $6:\pi$
 - ☒ D. $3:\pi$

Q.7 Pipe A can fill a cistern in 12 hours and another pipe B can empty it in 18 hours. Pipe A is opened first and after 4 hours, pipe B is also opened. In how much total time will the cistern be filled?

- Ans
- ☒ A. 36 hours
 - ☒ B. 32 hours
 - ☒ C. 28 hours
 - ☒ D. 24 hours

Q.8 Which of the following ratios is the greatest?

- a) 7 : 11
- b) 9 : 14
- c) 11 : 18
- d) 13 : 21

- Ans
- ☒ A. 9 : 14
 - ☒ B. 11 : 18
 - ☒ C. 7 : 11
 - ☒ D. 13 : 21

Q.9 Find the value of m which satisfies

$$\left(\frac{14}{6}\right)^8 \times \left(\frac{6}{14}\right)^3 \times \left(\frac{14}{6}\right)^{10} = \left(\frac{6}{14}\right)^{9m+9}.$$

- Ans
- ☒ A. $-\frac{28}{9}$
 - ☒ B. $-\frac{32}{9}$
 - ☒ C. $-\frac{8}{3}$
 - ☒ D. $-\frac{25}{9}$

Q.10 If $\sin A = \frac{5}{7}$, find the value of $\frac{5 \operatorname{cosec} A - 7 \sin A}{2\sqrt{6} \sec A + 7 \cos^2 A}$.

- Ans
- ☒ A. $\frac{9}{23}$
 - ☒ B. $\frac{14}{73}$
 - ☒ C. $\frac{3}{19}$
 - ☒ D. $\frac{11}{46}$

Q.11 A sum of money amounts to ₹4,600 in 3 years at 5% simple interest per annum. What is the sum?

- Ans
- ☐ A. ₹4,200
 - ☐ B. ₹3,800
 - ☐ C. ₹3,500
 - ☒ D. ₹4,000

Q.12 Which of the following pairs of numbers is not coprime?

- Ans
- ☐ A. (127, 257)
 - ☐ B. (173, 351)
 - ☐ C. (177, 827)
 - ☒ D. (171, 273)

Q.13 Two buses start at the same time from two towns that are 264 km apart and travel towards each other along the same highway. The first bus travels at a speed of 22 km/h, while the second bus travels at a speed of 26 km/h. After how much time will they meet?

- Ans
- ☐ A. 6.25 hours
 - ☐ B. 6.5 hours
 - ☒ C. 5.5 hours
 - ☐ D. 5 hours

Q.14 If the simple interest on ₹5,000 for T years at 6% p.a. equals the simple interest on ₹7,500 for 4 years at 4% per annum, then find the value of T.

- Ans
- ☒ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3

Q.15 Chitra gets a discount of 40% on a water cooler whose marked price is ₹2,200. Since she pays by credit card, she gets an additional 20% discount. How much does she pay (in ₹)?

- Ans
- ☐ A. 1,055
 - ☐ B. 1,059
 - ☐ C. 1,058
 - ☒ D. 1,056

Q.16 A student initially scored equal marks in Mathematics and Physics. Later, the marks in Mathematics increase by 20% of the original Mathematics marks, while the marks in Physics decrease by 10% of the original Physics marks. Taking the initial total marks as the base, what is the overall percentage change in the total marks?

- Ans
- ☐ A. 10% increase
 - ☐ B. 5% decrease
 - ☒ C. 5% increase
 - ☐ D. No change

Q.17 Simplify: $\frac{3 + \sqrt{6}}{5\sqrt{3} - 2\sqrt{12} - \sqrt{32} + \sqrt{50}}$

- Ans
- ☒ A. $\sqrt{3}$
 - ☐ B. $\sqrt{5}$
 - ☐ C. $\sqrt{2}$
 - ☐ D. $\sqrt{6}$

Q.18 The largest four-digit number which when divided by 15, 12 and 14 leaves remainder 5 in each case is:

- Ans**
- ☒ A. 9595
 - ☒ B. 9192
 - ☒ C. 9665
 - ☒ D. 9988

Q.19 Three friends Arshdeep, Sandeep and Avtar are on a trip by a car. Arshdeep drives during the first 3 hours at an average speed of 52 km/hr. Sandeep drives during the next 4 hours at an average speed of 65 km/hr. Avtar drives for the next 3 hours at an average speed of 76 km/hr. They reached their destination after exactly 10 hours. Their average speed during the journey was:

- Ans**
- ☒ A. 64.4 km/hr
 - ☒ B. 60.2 km/hr
 - ☒ C. 56.4 km/hr
 - ☒ D. 65.2 km/hr

Q.20 The present ages of two sisters are in the ratio 5:7. After 4 years, their ages will be in the ratio 6:8. Find the present age of the younger sister.

- Ans**
- ☒ A. 22 years
 - ☒ B. 20 years
 - ☒ C. 18 years
 - ☒ D. 24 years

Q.21 A cricketer has scored an average of 55 runs in 9 matches. In the 10th match, he scores 85 runs. What is his new average?

- Ans**
- ☒ A. 57
 - ☒ B. 58
 - ☒ C. 56
 - ☒ D. 55

Q.22 A bookseller bought 7 identical sets of books at ₹375 each. He sold 3 sets at a profit of 16% per set and the remaining sets at a profit of 24% per set. What was his total profit (in ₹) from selling all the sets?

- Ans**
- ☒ A. ₹504
 - ☒ B. ₹588
 - ☒ C. ₹540
 - ☒ D. ₹572

Q.23 A group of 3 adults and 4 children pay ₹380 for movie tickets. Another group of 2 adults and 3 children pay ₹270 for the same tickets. What is the price of one adult ticket?

- Ans**
- ☒ A. ₹80
 - ☒ B. ₹50
 - ☒ C. ₹60
 - ☒ D. ₹70

Q.24 A Company produces 1,520 packets of noodles in 5 hours. How many packets will it produce in 17 hours at the same rate?

- Ans**
- ☒ A. 5,861
 - ☒ B. 5,816
 - ☒ C. 5,168
 - ☒ D. 5,618

Q.25 The sum of all interior angles of a regular polygon is 1800° . How many diagonals does the polygon have?

- Ans**
- ☐ A. 51
 - ☐ B. 50
 - ☐ C. 53
 - ☒ D. 54

Q.26 A, B, and C start a business by investing ₹60,000, ₹80,000, and ₹1,20,000, respectively. After one year, the total profit earned is ₹78,000. By how much does C's share exceed B's share?

- Ans**
- ☐ A. ₹9,800
 - ☒ B. ₹12,000
 - ☐ C. ₹9,400
 - ☐ D. ₹10,600

Q.27 The diagonals of a rhombus are mutually perpendicular and bisect each other. One diagonal is 10 cm longer than the other. If the area of the rhombus is 600 cm^2 , the perimeter (in cm) of the rhombus is:

- Ans**
- ☐ A. 96 cm
 - ☐ B. 84 cm
 - ☒ C. 100 cm
 - ☐ D. 120 cm

Q.28 A shopkeeper offers two successive discounts of 18% and 15% on a frock whose marked price is ₹1,000. What is the final selling price (in ₹) of the frock?

- Ans**
- ☐ A. 679
 - ☐ B. 796
 - ☐ C. 769
 - ☒ D. 697

Q.29 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 43% and 19% on any number of toys bought.
(B) Successive discounts of 41%, 21% and 49% on any number of toys bought.
(C) 35% discount on the first 5 toys and 3% discount on each toy thereon.
(D) 4 toys free of cost on buying 5 toys.
A customer wants to buy 5 toys. Which of the above schemes is the least beneficial to her?

- Ans**
- ☐ A. D
 - ☐ B. A
 - ☐ C. B
 - ☒ D. C

Q.30 A tank can be filled by pipe P in 8 hours and by pipe Q in 4 hours. If they open alternately for one hour each with Q starting first, what is the total time taken to fill the tank?

- Ans**
- ☒ A. 5 hours
 - ☐ B. 4 hours and 40 minutes
 - ☐ C. 6 hours
 - ☐ D. 5 hours and 20 minutes

Section : General Awareness

Q.31 Which type of Centre-State relation is covered under Articles 245 to 255 of Part XI of the Indian Constitution?

- Ans**
- ☐ A. Financial relations
 - ☐ B. Judicial relations
 - ☒ C. Legislative relations
 - ☐ D. Administrative relations

Q.32 According to the World Bank's Travel and Tourism Economic Impact Research (EIR) of 2025, what was the contribution of the global tourism industry to the total Global Gross Domestic Product (GDP) in 2024?

- Ans**
- ☐ A. 20%
 - ☐ B. 15%
 - ☐ C. 12%
 - ☒ D. 10%

Q.33 Which of the following sites is known for its paintings and sculptures, considered masterpieces of Buddhist art?

- Ans**
- ☐ A. Elephanta Caves
 - ☒ B. Ajanta Caves
 - ☐ C. Bhimbetka Caves
 - ☐ D. Mawsmai Cave

Q.34 Which of the following Schedules of the Indian Constitution contains provisions for administration of tribal areas in northeastern India?

- Ans**
- ☐ A. Third Schedule
 - ☐ B. Eleventh Schedule
 - ☒ C. Sixth Schedule
 - ☐ D. Eighth Schedule

Q.35 The Anti-Defection Law was introduced through which Constitutional Amendment?

- Ans**
- ☐ A. 73rd Amendment
 - ☐ B. 44th Amendment
 - ☐ C. 61st Amendment
 - ☒ D. 52nd Amendment

Q.36 Which of the following editions of the Seatrade Maritime Logistics Middle East (SMLME) conference opened on May 6, 2025 at the Dubai World Trade Centre?

- Ans**
- ☐ A. 9th
 - ☒ B. 11th
 - ☐ C. 7th
 - ☐ D. 12th

Q.37 Why do noble gases exist as gases at room temperature, while halogens exist as solids, liquids, or gases down the group?

- Ans**
- ☐ A. Strong chemical bonds in noble gases
 - ☐ B. Larger atomic size of noble gases
 - ☒ C. Weak intermolecular forces in noble gases
 - ☐ D. High reactivity of noble gases

Q.38 Which city's metro rail system's first phase was inaugurated on 6 October 2025, making it the 24th Indian city with a functional metro?

- Ans**
- ☐ A. Bhubaneswar
 - ☐ B. Kolkata
 - ☒ C. Patna
 - ☐ D. Lucknow

Q.39 Which Late Harappan and Chalcolithic site in Maharashtra has yielded excellent examples of metal-cast sculptures?

- Ans**
- ☐ A. Chandoli
 - ☐ B. Tekwada
 - ☐ C. Inamgaon
 - ☒ D. Daimabad

Q.40 In a sound wave traveling through air, which of the following terms refers to a region where the particles are crowded together, resulting in high pressure and high density?

- Ans**
- ☒ A. Compression
 - ☐ B. Wavelength
 - ☐ C. Rarefaction
 - ☐ D. Crest

Q.41 A device driver acts as an interface between which two components?

- Ans**
- ☐ A. User and Computer
 - ☒ B. Operating system and Hardware device
 - ☐ C. Software and User
 - ☐ D. CPU and Memory

Q.42 In November 2025, which of the following brands partnered with the Board of Control for Cricket in India (BCCI) as Team India's official colour partner for a period of three years?

- Ans**
- ☐ A. Kansai Nerolac
 - ☐ B. Berger Paints
 - ☐ C. Nippon Paint
 - ☒ D. Asian Paints

Q.43 Which of the following is classified as a longitudinal valley located between the Lesser Himalaya and the Shiwaliks?

- Ans**
- ☒ A. Dehra Dun
 - ☐ B. Kangra Valley
 - ☐ C. Patkai Hill Valley
 - ☐ D. Kullu Valley

Q.44 Who were the founding members of the 'Servants of India Society' along with Gopal Krishna Gokhale?

- Ans**
- ☐ A. A.O. Hume, Dadabhai Naoroji, Lala Lajpat Rai
 - ☐ B. Subhas Chandra Bose, Jawaharlal Nehru, Sardar Patel
 - ☒ C. Natesh Appaji Dravid, Gopal Krishna Deodhar, Anant Vinayak Patwardhan
 - ☐ D. Rajendra Prasad, C.R. Das, Mahatma Gandhi

Q.45 Which of the following Union Territories had the lowest density of population according to Census 2011?

- Ans**
- ☐ A. Lakshadweep
 - ☒ B. Andaman and Nicobar Islands
 - ☐ C. Puducherry
 - ☐ D. Chandigarh

Q.46 Gangaikondacholapuram was established as a capital city by which Chola ruler?

- Ans**
- ☒ A. Rajendra I
 - ☐ B. Rajaraja I
 - ☐ C. Kulottunga I
 - ☐ D. Rajadhiraja I

Q.47 Which of the following features at Lothal provides the most convincing evidence of its role as a maritime trading centre in the Harappan Civilization?

- Ans**
- ☐ A. A large warehouse located near the dock structure
 - ☐ B. Discovery of seals indicating contacts with distant regions
 - ☒ C. A brick-built basin connected to an ancient river channel
 - ☐ D. Evidence of bead-making workshops within the settlement

Q.48 In which of the following countries did the One Health Summit take place from 5-7 April 2026?

- Ans**
- ☐ A. China
 - ☒ B. France
 - ☐ C. Myanmar
 - ☐ D. Germany

Q.49 'Agenda 21' — a comprehensive action plan for sustainable development — was adopted at which international conference?

- Ans**
- ☐ A. 1972 – Stockholm Conference
 - ☒ B. 1992 – Earth Summit, Rio de Janeiro
 - ☐ C. 1961 – Vienna Convention
 - ☐ D. 2016 – Kigali Agreement

Q.50 Which Part of the Indian Constitution deals specifically with the Union executive structure?

- Ans**
- ☐ A. Part VI
 - ☒ B. Part V
 - ☐ C. Part IV
 - ☐ D. Part III

Q.51 Which of the following tunnels was recognised as the Longest Highway Tunnel above 10,000 feet by the World Book of Records in February 2022?

- Ans**
- ☐ A. Zojila Tunnel
 - ☐ B. Pir Panjal Tunnel
 - ☒ C. Atal Tunnel
 - ☐ D. Chenani-Nashri Tunnel

Q.52 In the context of computer hardware, what does the abbreviation "PCB" stand for?

- Ans**
- ☐ A. Primary Cache Buffer
 - ☐ B. Processor Control Base
 - ☒ C. Printed Circuit Board
 - ☐ D. Peripheral Communication Bus

Q.53 In which year was the National seeds policy launched?

- Ans**
- ☐ A. 2000
 - ☒ B. 2002
 - ☐ C. 2005
 - ☐ D. 2007

Q.54 V.S. Achuthanandan, who passed away in July 2025, was a prominent leader of which political party in India?

- Ans**
- ☐ A. Indian National Congress
 - ☐ B. Bharatiya Janata Party
 - ☒ C. Communist Party of India (Marxist)
 - ☐ D. All India Trinamool Congress

Q.55 The Dashavatar Temple-Deogarh is important because it is an early example of which temple style?

- Ans**
- ☐ A. Vesara style
 - ☐ B. Rock-cut architecture
 - ☒ C. Panchayatana Nagara temple
 - ☐ D. Dravida style

Q.56 An image-editing program and a video-editing program both use the same shared library for color correction. Which advantage of modular application software does this situation show?

- Ans**
- ☒ A. Code reusability across different applications
 - ☐ B. Removal of all dependencies
 - ☐ C. Increased redundancy
 - ☐ D. Guaranteed offline operation

Q.57 Which city hosted the Global Justice, Love and Peace Summit in April 2025?

- Ans**
- ☐ A. New Delhi
 - ☐ B. Oslo
 - ☒ C. Dubai
 - ☐ D. Milan

Q.58 Which of the following British officials was responsible for the annexation of Awadh, a major cause of resentment before 1857?

- Ans**
- ☐ A. Charles Metcalfe
 - ☐ B. Lord Canning
 - ☒ C. Lord Dalhousie
 - ☐ D. Henry Lawrence

Q.59 Which characteristic correctly describes the Dual System of Administration established in Bengal after 1765?

- Ans**
- ☐ A. Revenue collection was handled solely by Mughal officials without Company control.
 - ☐ B. Criminal justice remained independent of Company supervision throughout.
 - ☒ C. Revenue powers lay with the Company, while administrative responsibility lay with the Nawab.
 - ☐ D. Judicial authority was fully consolidated under the Company's direct rule.

Q.60 Who among the following has been appointed as the Deputy Governor of the Reserve Bank of India in April 2025?

- Ans**
- ☐ A. Nidhi Tiwari
 - ☐ B. Dr. Jay Bhattacharya
 - ☐ C. Manan Kumar Mishra
 - ☒ D. Dr. Poonam Gupta

Q.61 The incidence of oral cancer in India is strongly linked to the frequent consumption of which of the following harmful substances?

- Ans**
- ☒ A. Tobacco
 - ☐ B. Soft drinks
 - ☐ C. Fried food
 - ☐ D. High-salt diet

Q.62 The laws to provide for the representation of the Chairpersons of the Panchayats are made by _____.

- Ans**
- ☐ A. The Parliament of India
 - ☐ B. The President of India
 - ☐ C. Governor of State
 - ☒ D. State Legislature

Q.63 In the Balance of Payments, an increase in foreign exchange reserves appears under which category?

- Ans**
- ☐ A. Current Account – Debit
 - ☐ B. Capital Account – Credit
 - ☐ C. Current Account – Credit
 - ☒ D. Capital Account – Debit

Q.64 The Tri-Services Exercise (TSE-2025) “Trishul,” commencing in November 2025, is being led by which branch of the Indian Armed Forces?

- Ans**
- ☐ A. Indian Air Force
 - ☒ B. Indian Navy
 - ☐ C. Indian Army
 - ☐ D. Indian Coast Guard

Q.65 In which year did the Indian Parliament enact the Fiscal Responsibility and Budget Management Act to institutionalise financial discipline and ensure long-term macroeconomic stability?

- Ans**
- ☐ A. 2000
 - ☐ B. 2006
 - ☐ C. 2009
 - ☒ D. 2003

Q.66 Which of the following is included among the water-soluble vitamins collectively grouped together in a specific vitamin class known as vitamin B complex?

- Ans**
- ☐ A. Tocopherol
 - ☐ B. Calciferol
 - ☒ C. Thiamin
 - ☐ D. Retinol

Q.67 Directive Principles collectively aim to achieve which ideals prominently declared in the Constitution's Preamble?

- Ans**
- ☒ A. Justice, liberty, equality, fraternity
 - ☐ B. Unity, diversity and fraternity
 - ☐ C. Sovereignty, security and hierarchy
 - ☐ D. Property, privilege, hierarchy

Q.68 In the search box of File Explorer, which search pattern finds all Word documents in the current folder whose names start with "Unit"?

- Ans**
- ☐ A. Unit?.txt
 - ☐ B. *Unit.docx
 - ☐ C. Unit* .docx
 - ☒ D. Unit*.docx

Q.69 In the context of Indian classical music, the term "Khayal" literally signifies which of the following?

- Ans**
- ☒ A. Imagination or reflective thought
 - ☐ B. An expression of devotional sentiment
 - ☐ C. A melodic framework
 - ☐ D. A structured rhythmic pattern

Q.70 Which of the following coastal plains is correctly matched with its state?

- Ans**
- ☐ A. Malabar Plain – Gujarat
 - ☒ B. Utkal Plain – Odisha
 - ☐ C. Coromandel Plain – Kerala
 - ☐ D. Konkan Plain – Tamil Nadu

Section : General Intelligence and Reasoning

Q.71 What should come in place of '?' in the given series based on the English alphabetical order?

GJE ZCX SVQ LOJ ?

- Ans**
- ☒ A. EHC
 - ☐ B. BFU
 - ☐ C. LNJ
 - ☐ D. PRN

Q.72 In a certain code language, 'steak tooth badge' is coded as 'qj hc sv' and 'badge poet lemon' is coded as 'tz qj vv'. How is 'badge' coded in that language? (All codes are two-letter codes.)

- Ans**
- ☐ A. sv
 - ☐ B. tz
 - ☒ C. qj
 - ☐ D. hc

Q.73 In a certain code language,
A @ B means 'A is the son of B',
A ≤ B means 'A is the wife of B',
A £ B means 'A is the father of B' and
A ≠ B means 'A is the brother of B'.

How is A related to P if 'A @ D £ J ≠ L ≤ P'?

- Ans
- ☒ A. Wife's mother's mother
 - ☒ B. Wife's brother
 - ☒ C. Wife's sister
 - ☒ D. Wife's mother

Q.74 Tuv ranked 27th from the top and 64th from the bottom in his class. How many students are there in his class?

- Ans
- ☒ A. 91
 - ☒ B. 92
 - ☒ C. 90
 - ☒ D. 89

Q.75 Seven people, Q, M, B, L, E, F and G, are sitting in a row, facing north. Only six people sit to the right of E. Only five people sit to the left of Q. Only three people sit between M and Q. B is the immediate neighbour of L and G. Only three people sit between F and L. How many people sit between G and F?

- Ans
- ☒ A. One
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. Two

Q.76 Ayush ranked 44th from the top and 25th from the bottom in his class. How many students are there in his class?

- Ans
- ☒ A. 68
 - ☒ B. 66
 - ☒ C. 67
 - ☒ D. 69

Q.77 Which of the following options should come in place of the '?' in the given series based on the English alphabetical order?

N 32, I 25, D 18, Y 11, ?

- Ans
- ☒ A. T 4
 - ☒ B. Z 4
 - ☒ C. S 4
 - ☒ D. Y 4

Q.78 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ A. FE-IH
 - ☒ B. LK-ON
 - ☒ C. CB-FE
 - ☒ D. KJ-MO

Q.79 Each vowel in the word REFERTILIZES is changed to the second letter immediately following it in the English alphabetical order, and each consonant is changed to the second letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans
- ☐ A. R
 - ☒ B. K
 - ☐ C. X
 - ☐ D. G

Q.80 KY 1 is related to MU 17 in a certain way. In the same way, FI 8 is related to HE 24. To which of the following is RF 3 related, following the same logic?

- Ans
- ☐ A. KL 5
 - ☐ B. KJ 7
 - ☒ C. TB 19
 - ☐ D. YG 9

Q.81 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All jokers are frogs.
All frogs are cars.

Conclusions:

(I) Some cars are frogs.
(II) All jokers are cars.

- Ans
- ☐ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Both conclusions (I) and (II) follow
 - ☐ C. Only conclusion (II) follows
 - ☐ D. Only conclusion (I) follows

Q.82 What should come in place of '?' in the given series?

8 9 17 26 90 115 ?

- Ans
- ☐ A. 313
 - ☒ B. 331
 - ☐ C. 198
 - ☐ D. 231

Q.83 Refer to the following series and answer the question. (All numbers are single digit numbers only. Counting has to be done from left to right).

(Left) 2 9 3 3 8 4 7 2 4 2 8 9 9 7 4 9 9 4 6 7 7 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by a perfect square?

(NOTE: 1 is also a perfect square)

- Ans
- ☐ A. Three
 - ☒ B. Two
 - ☐ C. Four
 - ☐ D. One

Q.84 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 109

17, 103

- Ans**
- ☐ A. 26, 130
 - ☐ B. 24, 155
 - ☒ C. 22, 133
 - ☐ D. 19, 116

Q.85 Mr. Yorly starts from Point A and drives 6 km towards South. He then takes a right turn, drives 37 km, turns right and drives 42 km. He then takes a right turn and drives 47 km. He takes a final right turn, drives 36 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?
(All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ A. 10 km to the West
 - ☐ B. 11 km to the North
 - ☐ C. 12 km to the East
 - ☐ D. 15 km to the South

Q.86 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 82135746, then what will be the difference between the first digit from the right end and the first digit from the left end in the new number thus formed?

- Ans**
- ☒ A. 2
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 4

Q.87 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 51748623, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ A. Four
 - ☐ B. Two
 - ☒ C. Three
 - ☐ D. One

Q.88 BFGJ is related to GKLO in a certain way based on the English alphabetical order. In the same way, HKMN is related to MPRS.
To which of the following is ORTU related, following the same logic?

- Ans**
- ☐ A. QEIY
 - ☒ B. TWYZ
 - ☐ C. UXZA
 - ☐ D. SVXY

Q.89 What should come in place of '?' in the given series?

7 ? 19 31 47 67

- Ans**
- ☒ A. 11
 - ☐ B. 16
 - ☐ C. 14
 - ☐ D. 18

Q.90 X is the mother of F. F is the sister of T. U is the father of K. K is the husband of T. How is X related to U?

- Ans**
- ☒ A. Son's wife's mother
 - ☐ B. Mother
 - ☐ C. Daughter
 - ☐ D. Son's wife's sister

Q.91 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. AE - GK
 - ☐ B. DH - JN
 - ☒ C. KO - QV
 - ☐ D. HL - NR

Q.92 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. PNK
 - ☐ B. DAY
 - ☐ C. OLJ
 - ☐ D. NKI

Q.93 Each of the digits in the number 84157639 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ A. One
 - ☒ B. Two
 - ☐ C. None
 - ☐ D. Three

Q.94 LM 5 is related to NL -14 in a certain way. In the same way, JK 9 is related to LJ -10. To which of the following is UV 11 related, following the same logic?

- Ans**
- ☐ A. NJ 9
 - ☐ B. GT 3
 - ☒ C. WU -8
 - ☐ D. YT -7

Q.95 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HWR66 , MBW78 , RGB90 , WLG102 , ?

- Ans**
- ☐ A. BOL114
 - ☐ B. BQM114
 - ☐ C. EQL114
 - ☒ D. BQL114

Q.96 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All huts are villages.
No hut is a district.

Conclusions:

(I) No village is a district.
(II) Some districts are huts.

- Ans
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (I) follows

Q.97 Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only one person sits to the right of A. Only three people sit between B and A. Only three people sit between T and J, neither of whom sits on the left end. D sits immediately to the right of Z. Only one person sits between T and O. Who sits immediately to the left of A?

- Ans
- ☒ A. T
 - ☒ B. J
 - ☒ C. B
 - ☒ D. D

Q.98 Refer to the following series and answer the question (all numbers are single digit numbers only).
(Left) 4 5 6 2 3 3 3 2 1 1 2 3 8 7 4 6 4 6 5 8 2 5 6 5 4 3 4 2 3 (Right)
How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans
- ☒ A. ONE
 - ☒ B. TWO
 - ☒ C. FIVE
 - ☒ D. NONE

Q.99 In a certain code language, 'COAL' is coded as '7649' and 'ALSO' is coded as '5967'. What is the code for 'S' in the given code language?

- Ans
- ☒ A. 5
 - ☒ B. 9
 - ☒ C. 6
 - ☒ D. 7

Q.100 Seven boxes M, N, O, P, X, Y and Z are kept one over the other but not necessarily in the same order. Only N is kept above P. Only two boxes are kept between P and X. Only O is kept below Y. Z is not kept immediately above X. Which box is kept second above M?

- Ans
- ☒ A. P
 - ☒ B. X
 - ☒ C. Z
 - ☒ D. O



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	08/05/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 If $x = \sqrt{225} + \sqrt{484}$, what is the value of $x^2 - [(\sqrt{225})^2 + (32)^2]$?

- Ans
- ☒ A. 0
 - ☒ B. 484
 - ☒ C. 120
 - ☒ D. 100

Q.2 A park is designed in the shape of a right-angled triangle, where the two shorter sides measure 13 m and 84 m. A circular track with a uniform width of 2 m is constructed such that its outer boundary coincides with the circumcircle of the triangular park. Determine the perimeter of the inner boundary of this circular track.

- Ans
- ☒ A. 82π m
 - ☒ B. 85π m
 - ☒ C. 81π m
 - ☒ D. 89π m

Q.3 Ram has ₹1000 in the denomination of ₹10, ₹20 and ₹5 notes. If the number of ₹10 notes is 16 more than that of ₹20 notes and the number of ₹5 notes is twice the number of ₹20 notes, find the total number of notes that Ram has.

- Ans
- ☒ A. 120
 - ☒ B. 90
 - ☒ C. 100
 - ☒ D. 80

Q.4 Pooja gets a discount of 17% on a dryer whose marked price is ₹2,000. Since she pays by credit card, she gets an additional 10% discount. How much does she pay (in ₹)?

- Ans
- ☒ A. 1,494
 - ☒ B. 1,495
 - ☒ C. 1,491
 - ☒ D. 1,493

Q.5 At present, a father is 30 years older than his son. In 12 years, the father will be three times as old as his son. What is the present age of the son?

- Ans
- ☒ A. 5 years
 - ☒ B. 3 years
 - ☒ C. 4 years
 - ☒ D. 6 years

Q.6 The difference between a discount of 35% and two successive discounts of 20% and 15% on a certain marked price is ₹70. Find the marked price (rounded off to the nearest integer).

- Ans
- ☒ A. ₹2,367
 - ☒ B. ₹2,433
 - ☒ C. ₹2,467
 - ☒ D. ₹2,333

Q.7 Find the value of m which satisfies

$$\left(\frac{19}{10}\right)^7 \times \left(\frac{10}{19}\right)^6 \times \left(\frac{19}{10}\right)^{10} = \left(\frac{10}{19}\right)^{6m+18}.$$

- Ans
- ☒ A. $-\frac{29}{6}$
 - ☒ B. $-\frac{27}{6}$
 - ☒ C. $-\frac{38}{6}$
 - ☒ D. $-\frac{20}{6}$

Q.8 Two taps can fill a cistern in 4 hours and 8 hours, respectively. A third tap can empty it in 4 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans
- ☒ A. 4
 - ☒ B. 6
 - ☒ C. 2
 - ☒ D. 8

Q.9 Evaluate $20^3 + (-9)^3 + (-11)^3$

- Ans
- ☒ A. 5940
 - ☒ B. 6015
 - ☒ C. 5992
 - ☒ D. 5934

Q.10 Yogesh invested a certain sum of money at 10% per annum. After 2 years, he received ₹147 as compound interest, compounded annually. Find the corresponding simple interest (in ₹) for 2 years at the same rate.

- Ans
- ☒ A. 135
 - ☒ B. 130
 - ☒ C. 140
 - ☒ D. 125

Q.11 A sum of ₹25,000 is invested at 2% per annum compounded annually. Find the compound interest after 2 years.

- Ans**
- ☒ A. ₹1,010
 - ☐ B. ₹1,050
 - ☐ C. ₹1,130
 - ☐ D. ₹1,230

Q.12 Find the measure of the unknown interior angle in an irregular hexagon with angles 140° , 80° , 145° , 155° , and 100° .

- Ans**
- ☐ A. 105°
 - ☒ B. 100°
 - ☐ C. 110°
 - ☐ D. 120°

Q.13 The enrolment of students in an institution increased by 10% in April compared to the number of students in March and then decreased by 5%, resulting in 1045 students in June. Find the number of students in March.

- Ans**
- ☐ A. 1050
 - ☐ B. 1085
 - ☒ C. 1000
 - ☐ D. 900

Q.14 If 9 workers can build a wall in 12 days, how many days will 6 workers take to build the same wall, assuming they work at the same rate?

- Ans**
- ☐ A. 16
 - ☒ B. 18
 - ☐ C. 17
 - ☐ D. 15

Q.15 The value of $\frac{(2.3)^3 + (1.5)^3 + (1.2)^3 - 3 \times 2.3 \times 1.5 \times 1.2}{(2.3)^2 + (1.5)^2 + (1.2)^2 - 2.3 \times 1.5 - 1.5 \times 1.2 - 1.2 \times 2.3}$ is equal to:

- Ans**
- ☒ A. 5
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 2

Q.16 If the third proportional to 4 and 6 is used as the base of a rectangle, and the first number (4) is its height, what is the area of the rectangle?

- Ans**
- ☐ A. 30 unit²
 - ☐ B. 48 unit²
 - ☐ C. 24 unit²
 - ☒ D. 36 unit²

Q.17 Three numbers are in the ratio 17 : 13 : 8, and their LCM is 7072. Their HCF is:

- Ans**
- ☐ A. 12
 - ☐ B. 3
 - ☒ C. 4
 - ☐ D. 23

Q.18 In a science experiment, chemicals X, Y, and Z are mixed in the ratio 5:2:3. If the total weight of the mixture is 100 grams, how much of chemical Y is present?

- Ans**
- ☒ A. 20 grams
 - ☐ B. 30 grams
 - ☐ C. 50 grams
 - ☐ D. 10 grams

Q.19 The angle of elevation of the top of a tree from a point on the ground is 30° . After moving 10 m towards the tree, the angle of elevation becomes 60° . Find the height of the tree.

- Ans**
- ☐ A. $6\sqrt{3}$ m
 - ☐ B. $4\sqrt{3}$ m
 - ☐ C. $3\sqrt{3}$ m
 - ☒ D. $5\sqrt{3}$ m

Q.20 A man is walking at 4 km/hr. A 180 m long train crosses him in 12 seconds while coming from the opposite direction. What is the speed of the train (in km/hr)?

- Ans**
- ☐ A. 61
 - ☒ B. 50
 - ☐ C. 32
 - ☐ D. 45

Q.21 A keg is fitted with three taps A, B and C. If opened together, all the three taps will drain the full keg in $1\frac{1}{2}$ minutes. Taps A and B together take 3 minutes to drain the keg while taps B and C together take $4\frac{1}{2}$ minutes to drain it. How long (in minutes) taps A and C together take to drain the keg?

- Ans**
- ☐ A. $\frac{4}{9}$
 - ☐ B. $\frac{5}{7}$
 - ☒ C. $\frac{9}{7}$
 - ☐ D. $\frac{4}{7}$

Q.22 What is the arithmetic mean of the dataset {12, 25, 37, 48, 56, 61, 73, 85, 92, 104}?

- Ans**
- ☒ A. 59.3
 - ☐ B. 56.3
 - ☐ C. 57.3
 - ☐ D. 58.3

Q.23 A shopkeeper offers the following schemes on toys of the same marked price.

- (A) Successive discounts of 35% and 4% on any number of toys bought.
- (B) Successive discounts of 45%, 46% and 50% on any number of toys bought.
- (C) 15% discount on the first 3 toys and 5% discount on each toy thereon.
- (D) 2 toys free of cost on buying 9 toys.

A customer wants to buy 9 toys. Which of the above schemes is the least beneficial to her?

- Ans**
- ☒ A. C
 - ☐ B. D
 - ☐ C. A
 - ☐ D. B

Q.24 Two solid hemispheres are joined together to make a sphere. The total surface area of solids reduced by approximately ____%.

- Ans**
- ☒ A. 33.33
 - ☐ B. 66.67
 - ☐ C. 50
 - ☐ D. 25

Q.25 Two trains, A and B, start simultaneously from stations Delhi and Mumbai respectively towards each other on parallel tracks. After meeting, train A takes 16 hours to reach Mumbai, and train B takes 9 hours to reach Delhi. If train A's speed is 60 km/h, what is the length of train B (in meters), given that it crosses a pole in 18 seconds?

- Ans**
- ☐ A. 420
 - ☒ B. 400
 - ☐ C. 300
 - ☐ D. 280

Q.26 The expenditures of R are 65% of his salary. If his salary increased by 10% and his savings are ₹3,150 more than previous savings, his expenditures are now 60% of his salary. His present salary is ₹_____.

- Ans**
- ☐ A. 39,000
 - ☐ B. 37,500
 - ☒ C. 38,500
 - ☐ D. 35,000

Q.27 The 5-digit number 7a35b is divisible by 45, where a and b are positive integers. What is the value of (a + b)?

- Ans**
- ☐ A. 7
 - ☐ B. 5
 - ☒ C. 12
 - ☐ D. 14

Q.28 Lekhraj sells an article at a profit of 25%. If the cost price is increased by 20% and the selling price is reduced by 10%, what percentage loss will Lekhraj incur?

- Ans**
- ☒ A. 6.25%
 - ☐ B. 7.5%
 - ☐ C. 6.5%
 - ☐ D. 7.25%

Q.29 The average of 5 consecutive integers is 10. What is the smallest integer?

- Ans**
- ☐ A. 9
 - ☐ B. 6
 - ☒ C. 8
 - ☐ D. 7

Q.30 If x is the mean proportional between (a+b) and (a-b), then find the value of x.

- Ans**
- ☐ A. $\sqrt{a-b}$
 - ☐ B. $\sqrt{a^2+b^2}$
 - ☐ C. $\sqrt{a+b}$
 - ☒ D. $\sqrt{a^2-b^2}$

Q.31 பின்வருவனவற்றுள், இந்தியாவில் மிகவும் பரவலாகப் பயன்படுத்தப்படும் நீர்ப்பாசன முறை எது?

- Ans**
- ✓ A. மேற்பரப்பு நீர்ப்பாசனம் (Surface irrigation)
 - ✗ B. தெளிப்பு நீர்ப்பாசனம்
 - ✗ C. சொட்டு நீர்ப்பாசனம்
 - ✗ D. நிலத்தடி நீர்ப்பாசனம் (Subsurface irrigation)

Q.32 Which category of beneficiaries is eligible for ₹1 lakh under Telangana's Revanth Anna ka Sahara-Miskeen la Kosam scheme launched in September 2025?

- Ans**
- ✓ A. Economically weak Muslim families
 - ✗ B. Minority teachers in private institutions
 - ✗ C. Overseas migrant workers from Telangana
 - ✗ D. Tribal self-help groups

Q.33 The fibrous root system, in which the primary root is short-lived and replaced by numerous adventitious roots, is a characteristic feature of which group of plants?

- Ans**
- ✗ A. Dicotyledonous
 - ✓ B. Monocotyledonous
 - ✗ C. Gymnosperms
 - ✗ D. Pteridophytes

Q.34 Which memory is fastest and located very close to the CPU?

- Ans**
- ✗ A. Hard Disk
 - ✗ B. CD-ROM
 - ✓ C. Cache Memory
 - ✗ D. Pen Drive

Q.35 'Effect of Proclamation of Emergency' is explicitly provided in which of the following provisions of the Constitution of India?

- Ans**
- ✓ A. Article 353
 - ✗ B. Article 256
 - ✗ C. Article 350
 - ✗ D. Article 252

Q.36 Which of the following regions, ruled by the Maukharies, gradually replaced Pataliputra as a political centre of North India?

- Ans**
- ✗ A. Patna
 - ✓ B. Kannauj
 - ✗ C. Allahabad
 - ✗ D. Thanesar

Q.37 Which of the following is an example of General-Purpose Software?

- Ans**
- ✗ A. School Management Software
 - ✗ B. Accounting Software made for a company
 - ✗ C. A Customized Website
 - ✓ D. LibreOffice Calc

Q.38 According to Joule's law of heating, heat produced in a resistor is expressed by which relation?

- Ans**
- ✓ A. $H = I^2 R t$
 - ✗ B. $H = IR$
 - ✗ C. $H = V t$
 - ✗ D. $H = V/I$

Q.39 Which of the following is NOT a prominent language of the Indo-Aryan family?

- Ans
- ☒ A. Kurukh
 - ☐ B. Urdu
 - ☐ C. Bengali
 - ☐ D. Hindi

Q.40 'The Mango Season' is a book written by _____ and is a story of an Indian woman of modern India.

- Ans
- ☒ A. Amulya Malladi
 - ☐ B. Sara Desai
 - ☐ C. Sandhya Menon
 - ☐ D. Alka Joshi

Q.41 Krishna Basin mainly extends over which of the following groups of states?

- Ans
- ☐ A. Maharashtra, Gujarat and Madhya Pradesh
 - ☒ B. Maharashtra, Karnataka and Andhra Pradesh
 - ☐ C. Maharashtra, Odisha and Karnataka
 - ☐ D. Maharashtra, Madhya Pradesh and Chhattisgarh

Q.42 Which of the following types of weathering is common in areas with large temperature differences between day and night?

- Ans
- ☐ A. Solution
 - ☐ B. Oxidation
 - ☒ C. Exfoliation
 - ☐ D. Carbonation

Q.43 The Goa Carnival is primarily associated with which of the following cultural or religious traditions?

- Ans
- ☐ A. Buddhist tradition
 - ☐ B. Persian traditions
 - ☐ C. Jewish traditions
 - ☒ D. Christian tradition

Q.44 Which of the following was the first electro-mechanical computer?

- Ans
- ☒ A. Mark I
 - ☐ B. EDVAC
 - ☐ C. UNIVAC
 - ☐ D. ENIAC

Q.45 ஒரு மருத்துவர் ஒரு நோயாளிக்கு $P = -2.5 D$ திறன் கொண்ட ஒரு லென்ஸைப் பரிந்துரைக்கிறார். இந்த லென்ஸ் _____ ஆகும்.

- Ans
- ☐ A. தூரப்பார்வையை சரிசெய்யப் பயன்படுத்தப்படும் ஒரு குழி லென்சு.
 - ☐ B. தூரப்பார்வையை சரிசெய்யப் பயன்படுத்தப்படும் ஒரு குவி லென்சு.
 - ☐ C. கிட்டப்பார்வையை சரிசெய்யப் பயன்படுத்தப்படும் ஒரு குவி லென்சு.
 - ☒ D. கிட்டப்பார்வையை சரிசெய்யப் பயன்படுத்தப்படும் ஒரு குழி லென்சு.

Q.46 பின்வருவனவற்றில் எது யூட்ரோஃபிகேஷனை சரியாக விவரிக்கிறது?

- Ans
- ☒ A. நீர்நிலைகளில் ஊட்டச்சத்துக்களின் செறிவூட்டத்தினால் ஏற்படும் அதிகப்படியான பாசிப் பெருக்கம்
 - ☐ B. அதிக ட்ரோபிக் அளவுகளில் மக்காத வேதிப்பொருட்கள் குவிதல்
 - ☐ C. பெருங்கடல்களில் குளிர்ந்த மற்றும் வெதுவெதுப்பான நீரோட்டங்கள் கலத்தல்
 - ☐ D. கரைந்த தாதுக்களால் அமில நீரை நடுநிலையாக்குதல்

Q.47 Which of the following country will host the 2025 United Nations Ocean Conference?

Ans ☒ A. France

☐ B. Barbados

☐ C. Portugal

☐ D. South Africa

Q.48 The 3rd Trilateral Consultations between India, Iran and Armenia was held at which place in September 2025?

Ans ☐ A. New Delhi

☐ B. Yerevan

☒ C. Tehran

☐ D. Mumbai

Q.49 In December 2025, which of the following companies introduced “Aantriva”, an AI-enabled platform to improve agri-food supply-chain visibility?

Ans ☐ A. Syngenta

☐ B. Alliance Broadband Services Pvt. Ltd.

☐ C. Tech Mahindra

☒ D. Ayekart

Q.50 On 16 September 2025, **World Ozone Day** was observed under which theme?

Ans ☒ A. From Science to Global Action

☐ B. Global Cooperation Protecting Life on Earth

☐ C. Ozone for Life

☐ D. Montreal Protocol: Our Shield, Our Future

Q.51 The winner of the Nobel Prize in Literature for 2025, author László Krasznahorkai, belongs to which country?

Ans ☐ A. Romania

☐ B. Serbia

☐ C. Slovakia

☒ D. Hungary

Q.52 Which deity was worshipped as the chief female deity in Harappan culture?

Ans ☒ A. Mother Goddess

☐ B. Durga

☐ C. Lakshmi

☐ D. Saraswati

Q.53 Which of the following subjects was addressed by the 42nd Constitutional Amendment, granting Parliament the authority to establish tribunals?

Ans ☐ A. Judicial review of laws made by high court

☒ B. Service conditions of public servants

☐ C. Religious disputes

☐ D. Election disputes of states only

Q.54 How did Aurobindo Ghosh contribute to the extremist phase of the Indian national movement?

Ans ☐ A. Leading peasant movements focused on agrarian tax reduction campaigns

☐ B. Promoting constitutional agitation through petitions and legislative reforms

☒ C. Promoting passive resistance and boycott by linking nationalism with spiritual ideals

☐ D. Organising revolutionary activities based on socialist and labour ideologies

Q.55 What is the theme of the 18th Pravasi Bharatiya Divas 2025?

- Ans**
- ☐ A. Diaspora and Digital India
 - ☒ B. Diaspora's contribution to a Viksit Bharat
 - ☐ C. Connecting the Indian Diaspora
 - ☐ D. Global Indians for Atmanirbhar Bharat

Q.56 What is the function of the keyboard shortcut Alt + F10?

- Ans**
- ☐ A. Closes the document
 - ☐ B. Maximizes the current window
 - ☐ C. Opens the Help menu
 - ☒ D. Selects the active tab on the Ribbon and shows access keys

Q.57 Which Article of the Indian Constitution empowers the Parliament to make grants to the States which are in need of financial assistance?

- Ans**
- ☐ A. Article 285
 - ☒ B. Article 275
 - ☐ C. Article 265
 - ☐ D. Article 255

Q.58 What is the primary goal of the Energy Conservation Act (EC Act) of 2001, enacted by the Government of India?

- Ans**
- ☒ A. To reduce energy intensity in the Indian economy
 - ☐ B. To increase CO2 emissions
 - ☐ C. To promote renewable energy sources
 - ☐ D. To encourage the use of hydrocarbons

Q.59 Which of the following economic models formed the basis of the Second Five-Year Plan?

- Ans**
- ☐ A. Market-led export model
 - ☐ B. Neo-classical minimal-state model
 - ☐ C. Agrarian cooperative model
 - ☒ D. Mahalanobis heavy-industry model

Q.60 During which of the following revolutions in India did planned investment in horticulture become highly productive, leading to the emergence of the sector as a sustainable livelihood option?

- Ans**
- ☐ A. White revolution
 - ☒ B. Golden revolution
 - ☐ C. Green revolution
 - ☐ D. Blue revolution

Q.61 In the process of ecological succession, the entire sequence of communities that successively change in a given area are called _____.

- Ans**
- ☐ A. Invasion
 - ☒ B. Sere
 - ☐ C. Climax
 - ☐ D. Ecesis

Q.62 Gopal Krishan Gokhale went to England in 1897 to give evidence before which commission?

- Ans**
- ☐ A. Hunter Commission
 - ☐ B. Raleigh Commission
 - ☒ C. Welby Commission
 - ☐ D. Fraser Commission

Q.63 Which of the following was NOT recommended by the 73rd Indian Constitutional Amendment Act?

- Ans**
- ☐ A. Establishment of a three-tier structure
 - ☐ B. Establishment of State Finance Commissions
 - ☐ C. Establishment of Zila panchayat at district level
 - ☒ D. Establishment of Finance Commission of India

Q.64 Which of the following countries has one of the highest population densities?

- Ans**
- ☐ A. Russia
 - ☐ B. Canada
 - ☐ C. Australia
 - ☒ D. India

Q.65 பின்வருபவர்களில் யார் இந்திய தேசிய காங்கிரஸின் ஒரு முக்கிய மிதவாதத் தலைவராவார்?

- Ans**
- ☒ A. ஃபெரோஷா மேத்தா
 - ☐ B. பகத் சிங்
 - ☐ C. சுபாஷ் சந்திர போஸ்
 - ☐ D. பால கங்காதர திலகர்

Q.66 As per RTI Rules 2012, a person below poverty line is liable to pay what amount as application fee to file an RTI?

- Ans**
- ☒ A. No payment
 - ☐ B. ₹2
 - ☐ C. ₹10
 - ☐ D. ₹5

Q.67 What was the impact of the 1990s' reforms on India's economic growth?

- Ans**
- ☐ A. They had no significant impact.
 - ☐ B. They resulted in economic stagnation.
 - ☐ C. They caused economic instability.
 - ☒ D. They led to more sustainable growth.

Q.68 Which international health day was celebrated on November 14, 2025?

- Ans**
- ☐ A. World Malaria Day
 - ☐ B. World Hypertension Day
 - ☒ C. World Diabetes Day
 - ☐ D. World Health Day

Q.69 Which of the following dance forms originated in the temples of Odisha and often depicts the divine love of Radha and Krishna?

- Ans**
- ☒ A. Odissi
 - ☐ B. Karam
 - ☐ C. Ghumura dance
 - ☐ D. Dalkhai

Q.70 Which community lost its constitutional provision of nominated representation in legislatures through the 104th Amendment Act?

- Ans**
- ☐ A. Jains
 - ☐ B. Scheduled Castes
 - ☐ C. Scheduled Tribes
 - ☒ D. Anglo-Indians

Section : General Intelligence and Reasoning

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HDK 10, LIO 15, PNS 20, TSW 25, ?

- Ans**
- ☐ A. XYB 30
 - ☐ B. YYB 30
 - ☐ C. YXA 28
 - ☒ D. XXA 30

Q.72 Seven people, L, V, H, D, E, F and T, are sitting in a row, facing north. Only four people sit to the right of D. V sits fourth from the left end. E is the immediate neighbour of H and T. F sits third to the left of T. How many people sit between L and H?

- Ans**
- ☒ A. Five
 - ☐ B. Three
 - ☐ C. Two
 - ☐ D. Four

Q.73 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Mistake
2. Mild
3. Mist
4. Migrate
5. Milk

- Ans**
- ☒ A. 4, 2, 5, 3, 1
 - ☐ B. 5, 3, 1, 2, 4
 - ☐ C. 4, 2, 1, 5, 3
 - ☐ D. 2, 3, 5, 4, 1

Q.74 In a certain code language,
A % B means 'A is the father of B',
A € B means 'A is the wife of B',
A = B means 'A is the brother of B', and
A ? B means 'A is the daughter of B'.
Based on the above, how is B related to X if 'B = C ? O % P € X'?

- Ans**
- ☐ A. Brother
 - ☐ B. Wife's father
 - ☒ C. Wife's brother
 - ☐ D. Father

Q.75 In a certain code language, 'PINS' is coded as '3247' and 'HIPS' is coded as '4627'. What is the code for 'H' in the given code language?

- Ans**
- ☒ A. 6
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 7

Q.76 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

54, 110

56, 114

Ans ☒ A. 62, 126

☐ B. 58, 120

☐ C. 45, 90

☐ D. 48, 96

Q.77 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 9 7 6 4 3 5 7 6 4 6 7 6 9 8 7 7 6 6 7 6 5 7 6 8 7 5 6 (Right)
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square)

Ans ☐ A. One

☐ B. Three

☐ C. Two

☒ D. None

Q.78 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ A. OKM

☐ B. UQV

☐ C. RNS

☐ D. LHM

Q.79 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.
TREK - RTEK - KRTE
MAPS - AMPS - SAMP

Ans ☐ A. MANY - AMNY - YANM

☐ B. OPEN - OEPN - NEPO

☐ C. SIDE - ISDE - IDES

☒ D. WISE - IWSE - EIWS

Q.80 Each letter in the word LANGUID is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is third from the right in the new letter cluster thus formed?

Ans ☐ A. 2

☐ B. 6

☐ C. 5

☒ D. 4

Q.81 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. EGF
 - ☒ B. BDC
 - ☒ C. VYW
 - ☒ D. HJI

Q.82 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 47321568, which of the following digits will be first from the left in the new number thus formed?

- Ans**
- ☒ A. 5
 - ☒ B. 8
 - ☒ C. 3
 - ☒ D. 7

Q.83 What should come in place of the question mark (?) in the given series to make it logically complete?

ON35, MP44, KR53, ?

- Ans**
- ☒ A. JT65
 - ☒ B. IU63
 - ☒ C. JU62
 - ☒ D. IT62

Q.84 In a certain code language, 'unit flash zebra' is coded as 'mi de cz' and 'zebra dance king' is coded as 'de uv id'. How is 'zebra' coded in the given language?

- Ans**
- ☒ A. mi
 - ☒ B. cz
 - ☒ C. uv
 - ☒ D. de

Q.85 What should come in place of the '?' in the given series?

10 13 22 41 66 101 ?

- Ans**
- ☒ A. 164
 - ☒ B. 124
 - ☒ C. 142
 - ☒ D. 146

Q.86 HLJN is related to JNLP in a certain way based on the English alphabetical order. In the same way, EIGK is related to GKIM. To which of the following is FJHL related, following the same logic?

- Ans**
- ☒ A. HMIN
 - ☒ B. HLIN
 - ☒ C. HLJN
 - ☒ D. HKIN

Q.87 Seven boxes I, J, K, M, N, P and Q are kept one over the other but not necessarily in the same order. Only three boxes are kept between box K and box P. Only one box is kept between box I and box P, where box I is kept at the topmost position. Box N is kept immediately above box Q. Only two boxes are kept between box N and box M. Which box is kept fourth from the top?

- Ans** ☒ A. N
☒ B. J
☒ C. P
☒ D. Q

Q.88 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☒ A. LMN
☒ B. JKL
☒ C. BDD
☒ D. FGH

Q.89 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All chairs are bats.
No bat is a hat.

Conclusions:

(I) No chair is a hat.
(II) Some hats are bats.

- Ans** ☒ A. Both conclusions (I) and (II) follow
☒ B. Only conclusion (I) follows
☒ C. Only conclusion (II) follows
☒ D. Neither conclusion (I) nor (II) follows

Q.90 Jay ranked 12th from the bottom and 9th from the top in his class. How many students are there in his class?

- Ans** ☒ A. 19
☒ B. 20
☒ C. 17
☒ D. 18

Q.91 What should come in place of the '?' in the given series?

28 12 10 13 24 ?

- Ans** ☒ A. 70
☒ B. 60
☒ C. 65
☒ D. 58

Q.92 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All clouds are water. Some water is vapor.

Conclusions:

(I) Some clouds are vapor.

(II) Some vapor is water.

- Ans**
- ☒ A. Only conclusion (II) follows
 - ☐ B. Both conclusions (I) and (II) follow
 - ☐ C. Neither conclusion (I) nor (II) follows
 - ☐ D. Only conclusion (I) follows

Q.93 Akshay starts from Point A and drives 12 km towards the north. He then takes a right turn, drives 15 km, turns right and drives 17 km. He then takes a right turn and drives 18 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 2 km to the east
 - ☐ B. 5 km to the west
 - ☐ C. 4 km to the west
 - ☒ D. 3 km to the east

Q.94 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$805 \div 2 + 26 - 1203 \times 3 = ?$$

- Ans**
- ☐ A. 1598
 - ☒ B. 1985
 - ☐ C. 1895
 - ☐ D. 1588

Q.95 Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only one person sits between Q and L when counted from the right of Q. Only one person sits between L and M when counted from the left of M. Only one person sits between Q and G when counted from the right of G. Only two people sit between H and M when counted from the left of M. Only one person sits between F and G when counted from the right of F. Who sits to the immediate right and left of O, respectively?

- Ans**
- ☒ A. Q and G
 - ☐ B. G and F
 - ☐ C. Q and L
 - ☐ D. F and L

Q.96 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$18 - 3 \div 9 + 15 \times 3 = ?$$

- Ans**
- ☐ A. 49
 - ☐ B. 50
 - ☒ C. 58
 - ☐ D. 57

Q.97 In a certain code language,
'A @ B' means 'A is the mother of B',
'A & B' means 'A is the husband of B',
'A # B' means 'A is the father of B',
'A % B' means 'A is the son of B' and
'A * B' means 'A is the daughter of B'.

If G @ K & V * P # W % J, then how is J related to K?

- Ans ☒ A. Wife's mother
☐ B. Daughter
☐ C. Mother
☐ D. Wife's sister

Q.98 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

RN-TP-VY
PL-RN-TW

- Ans ☒ A. NJ-PL-RU
☐ B. MJ-PK-RV
☐ C. MJ-PL-RV
☐ D. NJ-PL-RV

Q.99 What should come in place of ? in the given series based on the English alphabetical order?
WAX BFC GKH LPM ?

- Ans ☐ A. QVQ
☐ B. QRT
☒ C. QUR
☐ D. QTQ

Q.100 Seven boxes F, A, C, T, O, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept below A. Only three boxes are kept between T and A. Only one box is kept between S and R. R is kept immediately above A. Only four boxes are kept between S and F. O is kept at someplace above C. How many boxes are kept below O?

- Ans ☐ A. Two
☐ B. One
☒ C. Four
☐ D. Three



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	08/05/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Simplify: $\left\{ \frac{16}{36} \div \frac{16}{4} \right\} \div \left(\frac{2}{7} \times \frac{14}{6} + \frac{5}{12} \right) + \frac{4}{7} \div \frac{39}{12}$ of $\frac{12}{7}$

Ans ☒ A. $\frac{12}{47}$

☒ B. $\frac{8}{39}$

☒ C. $-\frac{1}{43}$

☒ D. $\frac{7}{33}$

Q.2 Which of the following ratios is equal to 3:2?

Ans ☒ A. 35:25

☒ B. 45:20

☒ C. 60:45

☒ D. 120:80

Q.3 If the interest on a sum of ₹y at 4% per annum compounded annually for 2 years is ₹765, then the total amount payable at the end of the two-year period will be _____.

Ans ☒ A. ₹10,115

☒ B. ₹10,210

☒ C. ₹10,140

☒ D. ₹10,351

Q.4 A pair of shoes is marked at ₹2800 and is subject to a trade discount of 18%. Under a special offer, a customer buys 5 pairs at the discounted price and gets an additional 2 pairs at 50% off the discounted price. Find the total cost to the customer for 7 pairs of shoes.

Ans ☒ A. ₹ 13,776

☒ B. ₹ 13,876

☒ C. ₹ 13,676

☒ D. ₹ 13,667

Q.5	Three numbers are in the ratio 3 : 7 : 2, and their LCM is 8820. Their HCF is:
Ans	☒ A. 240
	☒ B. 208
	☒ C. 210
	☒ D. 235
Q.6	Pipes A and B together can fill a cistern in 10 hours. Pipes B and C together can fill the same cistern in 20 hours, and pipes C and A together can fill it in 12 hours. Find the time taken by pipe B alone to fill the cistern.
Ans	☒ A. 32 hours
	☒ B. 25 hours
	☒ C. 28 hours
	☒ D. 30 hours
Q.7	A spherical water tank has an internal diameter of 10 meters. If the tank is coated with a material that costs ₹5 per square meter, what is the total cost to coat the entire internal surface? (Use $\pi = 3.14$)
Ans	☒ A. ₹785
	☒ B. ₹314
	☒ C. ₹1570
	☒ D. ₹1257
Q.8	The average monthly income of six employees in an office is ₹24,000. When a new employee joins the office, the average income of all seven employees becomes ₹25,500. What is the monthly income of the new employee?
Ans	☒ A. ₹34,000
	☒ B. ₹33,000
	☒ C. ₹33,500
	☒ D. ₹34,500
Q.9	In a college, the ratio of science to arts students is different for each of its three batches. In Batch A, the ratio is 5:8, in Batch B it is 7:11, and in Batch C it is 3:5. Which batch has the highest proportion of science students?
Ans	☒ A. Batch B
	☒ B. Batch C
	☒ C. All have the same proportion
	☒ D. Batch A
Q.10	If the third proportional to 4 and 20 is m and the third proportional to m and 50 is n, what is the value of n?
Ans	☒ A. 24
	☒ B. 20
	☒ C. 28
	☒ D. 25
Q.11	In $\triangle XYZ$, $XY = XZ$ and $\angle X = 40^\circ$, what is the measure of $\angle Z$?
Ans	☒ A. 80°
	☒ B. 70°
	☒ C. 40°
	☒ D. 60°

Q.12	The mean of the following data is 12.5. Find the missing frequency p. Data Values (x): 10, 15 Frequency (f): 5, p	
Ans	☒ A. 6	
	☒ B. 5	
	☒ C. 4	
	☒ D. 3	
Q.13	A delivery van covers the first 100 km at 50 km/h, the next 150 km at 60 km/h, and the last 50 km at 40 km/h. What is the average speed for the entire journey (correct to two places of decimal)?	
Ans	☒ A. 50.05 km/h	
	☒ B. 52.17 km/h	
	☒ C. 48.29 km/h	
	☒ D. 54.54 km/h	
Q.14	The population of a town increases by 10% in the year 2015 and decreases by 15% in the year 2016. If the population of the town at the end of the year 2016 is 1,87,000, find the population of the town in the beginning of the year 2015.	
Ans	☒ A. 2,00,000	
	☒ B. 2,10,000	
	☒ C. 2,15,000	
	☒ D. 1,95,000	
Q.15	Which of the following numbers is divisible by 11?	
Ans	☒ A. 3,762	
	☒ B. 6,184	
	☒ C. 4,915	
	☒ D. 7,393	
Q.16	In a division sum, the divisor is 14 times the quotient and 5 times the remainder. If the remainder is 56, what is the dividend?	
Ans	☒ A. 5655	
	☒ B. 5656	
	☒ C. 5651	
	☒ D. 5653	
Q.17	Sangeeta's salary is revised twice in two consecutive years. In the first year, the salary is increased by 12%. In the second year, it is decreased by 10%. Despite this, her salary after the second revision is ₹1,584 more than the original salary. What is Sangeeta's original monthly salary (in ₹)?	
Ans	☒ A. 1,75,000	
	☒ B. 1,89,000	
	☒ C. 2,00,000	
	☒ D. 1,98,000	
Q.18	A train covers a distance of 300 kilometers in 5 hours. If the same train takes 6 hours to cover the same distance, what is the change in its speed?	
Ans	☒ A. 15 km/h decrease	
	☒ B. 10 km/h increase	
	☒ C. 15 km/h increase	
	☒ D. 10 km/h decrease	

Q.19	Simplify: $(0.25 \times 1.6) \div (0.04 \times 0.5)$	
Ans	✓ A. 20	
	✗ B. 2	
	✗ C. 10	
	✗ D. 8	
Q.20	A and B can do a piece of work in 12 days and 39 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?	
Ans	✗ A. 24	
	✗ B. 21	
	✗ C. 23	
	✓ D. 22	
Q.21	The amount under simple interest on a sum of ₹8,000 for 3 years at an interest rate of 7.5% per annum is	
Ans	✓ A. ₹9800	
	✗ B. ₹10000	
	✗ C. ₹9600	
	✗ D. ₹9400	
Q.22	If a man bought an article at 20% less than its marked price and sold it for ₹10 more than its marked price, his profit was 40%. What was the marked price (in ₹) of the article (correct to two decimal places)?	
Ans	✓ A. ₹83.33	
	✗ B. ₹76.66	
	✗ C. ₹86.66	
	✗ D. ₹73.33	
Q.23	Evaluate $23^3 + (-14)^3 + (-9)^3$	
Ans	✗ A. 8502	
	✓ B. 8694	
	✗ C. 8498	
	✗ D. 8581	
Q.24	The present age of Person A is 5 years more than twice the age of Person B. If Person B is 15 years old, what is the present age (in years) of Person A?	
Ans	✓ A. 35	
	✗ B. 33	
	✗ C. 34	
	✗ D. 32	
Q.25	A trader buys a consignment of goods for ₹2400. He sells one-third of the goods at a 20% profit, and one-fourth of the goods at a 10% loss, and the remaining goods at cost price. What is the overall profit or loss percentage?	
Ans	✓ A. $4\frac{1}{6}\%$ profit	
	✗ B. $4\frac{1}{6}\%$ loss	
	✗ C. $4\frac{1}{5}\%$ profit	
	✗ D. $4\frac{1}{5}\%$ loss	

Q.26	A shopkeeper offers the following schemes on toys of the same marked price. (A) Successive discounts of 21% and 8% on any number of toys bought. (B) Successive discounts of 38%, 42% and 30% on any number of toys bought. (C) 17% discount on the first 8 toys and 20% discount on each toy thereon. (D) 7 toys free of cost on buying 10 toys. A customer wants to buy 10 toys. Which of the above schemes is the least beneficial to her?
Ans	☒ A. A
	☒ B. D
	☒ C. C
	☒ D. B

Q.27	Eight mangoes and five oranges cost ₹164, while five mangoes and eight oranges cost ₹148. Determine the cost of three mangoes and three oranges.
Ans	☒ A. ₹74
	☒ B. ₹76
	☒ C. ₹72
	☒ D. ₹70

Q.28	A ladder leans against a wall, making an angle of 60° with the ground. If the foot of the ladder is 15 metres from the wall, what is the length of the ladder?
Ans	☒ A. 32 m
	☒ B. 30 m
	☒ C. 42 m
	☒ D. 36 m

Q.29	Simplify: $\frac{5^{3x} \times (5^2)^{(x-1)}}{5^{4x-1}}$
Ans	☒ A. 5^{x-1}
	☒ B. 5^{1-x}
	☒ C. 5^{x-3}
	☒ D. 5^{x+1}

Q.30	Sphere A has a radius of 6 cm and Sphere B has a radius of 3 cm. What is the ratio of the surface area of A to that of B?
Ans	☒ A. 4:1
	☒ B. 3:1
	☒ C. 2:1
	☒ D. 6:1

Section : General Awareness

Q.31	Why were tax incentives provided to foreign investors during the 1991 economic reform period in India?
Ans	☒ A. To promote domestic monopolies
	☒ B. To discourage foreign investment
	☒ C. To attract foreign investment
	☒ D. To increase tax revenue for the government

Q.32	What does PCB stand for in a Computer System?
Ans	☒ A. Physical Circuit Block ☒ B. Printed Circuit Board ☒ C. Peripheral Circuit Board ☒ D. Programmed Control Board
Q.33	Which rules define the process of identification, determination, and remediation of contaminated sites?
Ans	☒ A. Air Quality Standards Rules, 2025 ☒ B. Urban Wetland Restoration Rules, 2025 ☒ C. Environment Protection (Management of Contaminated Sites) Rules, 2025 ☒ D. Green Industrial Policy Rules, 2025
Q.34	What is the name of India's first indigenous CRISPR-based gene therapy for Sickle Cell Disease, launched in November 2025?
Ans	☒ A. GENO-1 ☒ B. BIRSA 101 ☒ C. Sickle Cure ☒ D. CRISPR-X
Q.35	The inscriptions of Ashoka and Kharavela were primarily written in which of the following languages?
Ans	☒ A. Sanskrit ☒ B. Pali ☒ C. Bengali ☒ D. Prakrit
Q.36	The stomach secretes the enzyme pepsin to aid digestion. Pepsin mainly acts on which nutrient?
Ans	☒ A. Carbohydrates ☒ B. Vitamins ☒ C. Fats ☒ D. Proteins
Q.37	In February 2025, which one of the following countries and India signed a declaration to establish a partnership focused on advanced and small modular nuclear reactors?
Ans	☒ A. France ☒ B. Russia ☒ C. Japan ☒ D. United States
Q.38	Which region of Maharashtra is known for iron ore production?
Ans	☒ A. Chandrapur and Bhandara ☒ B. Aurangabad and Jalna ☒ C. Pune and Thane ☒ D. Nagpur and Wardha

Q.39	The Kakori train robbery of August 1925 was organised by the:
Ans	☒ A. Ghadr Party working from North America
	☒ B. HSRA unit based in Lahore and Delhi
	☒ C. Hindustan Republican Association in United Provinces
	☒ D. Anushilan Samiti in Bengal and Bihar
Q.40	In Uttar Pradesh, which city's police in December 2025 launched dedicated Closed User Group (CUG) phone numbers, enabling women to directly contact Mission Shakti Centre in-charges at police stations?
Ans	☒ A. Chandigarh
	☒ B. Delhi
	☒ C. Lucknow
	☒ D. Patna
Q.41	The State Election Commission is responsible for conducting elections to the:
Ans	☒ A. Lok Sabha and Rajya Sabha
	☒ B. Panchayats and Municipalities
	☒ C. State Assemblies
	☒ D. President and Vice-President
Q.42	Which function of the Operating System deals with allocation of CPU time among different running processes?
Ans	☒ A. Memory Management
	☒ B. File Management
	☒ C. Process Management
	☒ D. Device Management
Q.43	Who among the following is India's first-ever two-time Olympic medallist in an individual event and the first Indian to win a wrestling world championship?
Ans	☒ A. Bajrang Punia
	☒ B. Col. Rajyavardhan Singh Rathore
	☒ C. Sushil Kumar
	☒ D. Geeta Phogat
Q.44	Chandragupta I strengthened his political position by marrying Princess Kumaradevi of which tribal lineages?
Ans	☒ A. Avanti
	☒ B. Panchala
	☒ C. Gandhara
	☒ D. Lichchhavi
Q.45	Which mode of transport is most suitable for transporting heavy, bulky goods over long distances in India?
Ans	☒ A. Waterways
	☒ B. Airways
	☒ C. Roadways
	☒ D. Railways

Q.46	Which Indian Constitutional Amendment Act has inserted the word 'socialist' into the Preamble of the Indian Constitution?
Ans	☒ A. 86th Constitutional Amendment Act ☒ B. 44th Constitutional Amendment Act ☒ C. 38th Constitutional Amendment Act ☒ D. 42nd Constitutional Amendment Act
Q.47	In which year was the Planning Commission, later renamed as NITI Aayog, established?
Ans	☒ A. 1950 ☒ B. 1947 ☒ C. 1971 ☒ D. 1965
Q.48	Which Mughal ruler is credited with introducing the Zabti revenue system across major parts of empire?
Ans	☒ A. Aurangzeb ☒ B. Babar ☒ C. Humayun ☒ D. Akbar
Q.49	What major engine milestone did ISRO achieve in March 2025?
Ans	☒ A. First ion engine test ☒ B. Flight acceptance hot testing of the CE20 ☒ C. Launch of a nuclear-based rocket engine ☒ D. Solar electric propulsion demo
Q.50	Frequencies higher than the human audible limit of 20,000 Hz are classified as ____.
Ans	☒ A. Tones ☒ B. Supersonic ☒ C. Infrasound ☒ D. Ultrasound
Q.51	Which national statistical organization is being changed by the Indian government's September 2025 draft bill ahead of its centenary?
Ans	☒ A. Ministry of Statistics & Programme Implementation (MoSPI) ☒ B. National Sample Survey Office (NSSO) ☒ C. Central Statistics Office (CSO) ☒ D. Indian Statistical Institute (ISI)
Q.52	In which state of India are the three crops of rice — called 'aus,' 'aman,' and 'boro' — grown?
Ans	☒ A. West Bengal ☒ B. Bihar ☒ C. Manipur ☒ D. Nagaland
Q.53	Which issue acted as the immediate trigger for the uprising that began in 1857?
Ans	☒ A. Suspension of military pensions for long-serving Indian sepoys. ☒ B. Mandatory service postings across overseas territories for all regiments. ☒ C. Introduction of the Enfield rifle with cartridges feared to contain animal fat. ☒ D. New rules requiring sepoys to abandon traditional dress and customs.

Q.54	Which Constitutional Amendment Act gave constitutional status to Urban Local Bodies (municipalities)?	
Ans	☒ A. 73rd Amendment Act	
	☒ B. 74th Amendment Act	
	☒ C. 86th Amendment Act	
	☒ D. 42nd Amendment Act	
Q.55	Which pollutant from the following is mainly responsible for the formation of acid rain?	
Ans	☒ A. Ozone	
	☒ B. Carbon monoxide	
	☒ C. Ammonia	
	☒ D. Sulphur dioxide	
Q.56	Which of the following climatic regions has permafrost soil and low vegetation like mosses and lichens?	
Ans	☒ A. Aw – Tropical wet and dry climate	
	☒ B. Cfb – Marine west coast climate	
	☒ C. ET – Tundra climate	
	☒ D. BSh – Subtropical steppe climate	
Q.57	Which of the following correctly describes secondary memory?	
Ans	☒ A. Faster and more expensive than main memory	
	☒ B. Volatile and faster than primary memory	
	☒ C. Non-volatile and larger in storage capacity	
	☒ D. Volatile and directly accessed by the CPU	
Q.58	Which of the following institutions was founded by Mahadev Govind Ranade?	
Ans	☒ A. Arya Samaj	
	☒ B. Brahmo Samaj	
	☒ C. Widow Remarriage Association	
	☒ D. Indian National Congress	
Q.59	Which software type helps the operating system to manage hardware and provide services to applications?	
Ans	☒ A. System software	
	☒ B. Application software	
	☒ C. Utility software	
	☒ D. Driver software	
Q.60	What was the initial corpus of the Rural Infrastructure Development Fund (RIDF) when it was established in 1995-96?	
Ans	☒ A. ₹1,000 crore	
	☒ B. ₹10,000 crore	
	☒ C. ₹2,000 crore	
	☒ D. ₹5,000 crore	
Q.61	Select the correct formula of Aluminium Sulphate.	
Ans	☒ A. Al ₂ SO ₄	
	☒ B. Al(SO ₄) ₃	
	☒ C. Al ₂ (SO ₄) ₃	
	☒ D. Al ₃ SO ₄	

Q.62	In the CCPI (Climate Change Performance Index) 2025, how is a country's climate performance assessed?	
Ans	☒ A. By combining emissions, energy use, and expert-reviewed climate policy data	
	☒ B. Solely based on renewable energy production statistics	
	☒ C. Through public opinion surveys and industrial growth trends	
	☒ D. Only by analyzing national emissions targets and forest cover data	
Q.63	Which Amendment Act restored the Right to Property as a legal right?	
Ans	☒ A. 44th Amendment	
	☒ B. 42nd Amendment	
	☒ C. 46th Amendment	
	☒ D. 48th Amendment	
Q.64	Which of the following Union Territories of India was granted legislature through the Government of Union Territories Act, 1963?	
Ans	☒ A. Puducherry	
	☒ B. Andaman & Nicobar	
	☒ C. Chandigarh	
	☒ D. Delhi	
Q.65	Which of the following agreements signed between India and Uzbekistan officially came into effect in May 2025, having been signed in September 2024 in Tashkent?	
Ans	☒ A. Bilateral Investment Treaty (BIT)	
	☒ B. Mutual Logistics Support Agreement (MLSA)	
	☒ C. Double Taxation Avoidance Agreement (DTAA)	
	☒ D. Comprehensive Economic Partnership Agreement (CEPA)	
Q.66	The structural and functional unit of nature is _____.	
Ans	☒ A. Environment	
	☒ B. Ecology	
	☒ C. Ecosystem	
	☒ D. Cell	
Q.67	Tholpavakoothu, the traditional shadow puppetry performance, originates from which Indian state?	
Ans	☒ A. Odisha	
	☒ B. Kerala	
	☒ C. Andhra Pradesh	
	☒ D. West Bengal	
Q.68	Hampi, a UNESCO World Heritage Site, was the capital of which empire?	
Ans	☒ A. Vijayanagara Empire	
	☒ B. Maurya Empire	
	☒ C. Mughal Empire	
	☒ D. Gupta Empire	

Q.69	Provision for 'living wage' and 'decent standard of life' for workers under the Directive Principle of State Policy (DPSP) is contained in which of the following Articles of the Indian Constitution?
Ans	☒ A. Article 42
	☒ B. Article 43
	☒ C. Article 41
	☒ D. Article 47

Q.70	Which of the following is a correct match of a climate type with its vegetation or features as per Koeppen's scheme of classification of climate?
Ans	☒ A. Aw – Deciduous forests and tree-shredded grasslands
	☒ B. Cfa – Cold desert and permafrost
	☒ C. BWh – Dense evergreen canopy
	☒ D. ET – Tropical rainforest

Section : General Intelligence and Reasoning

Q.71	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statement: All Chickens are Quails. All Quails are Pigeons. Conclusion (I): No Pigeons are Chickens. Conclusion (II): Some Pigeons are Chickens.
Ans	☒ A. Both conclusions (I) and (II) follow
	☒ B. Only conclusion (I) follows
	☒ C. Only conclusion (II) follows
	☒ D. Neither conclusion (I) nor (II) follows

Q.72	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? EIJ 33 GKL 27 IMN 21 KOP 15 ?
Ans	☒ A. MQV 8
	☒ B. MRQ 9
	☒ C. MPQ 8
	☒ D. MQR 9

Q.73	In a certain code language, 'jaw bush oven' is coded as 'ht vq xe' and 'zebra egg jaw' is coded as 'vq db ia'. How is 'jaw' coded in the given language?
Ans	☒ A. vq
	☒ B. ht
	☒ C. xe
	☒ D. db

Q.74	Seven people, J, K, C, D, E, Q and H, are sitting in a row, facing north. Only four people sit to the right of Q. Only two people sit to the right of E. K is the immediate neighbour of J and E. H sits third to the right of D. How many people sit between C and K?
Ans	☒ A. Five
	☒ B. Three
	☒ C. Two
	☒ D. Four

Q.75	Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern. GFK : JAE LGP : OBJ
Ans	☒ A. FNP : IIK
	☒ B. GIM : JDH
	☒ C. JKH : MGB
	☒ D. CLW : FGQ
Q.76	FR 6 is related to JL 17 in a certain way. In the same way, EU 12 is related to IO 23. To which of the following is SL 3 related, following the same logic?
Ans	☒ A. YT 9
	☒ B. WF 14
	☒ C. AK 11
	☒ D. OK 17
Q.77	Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only. (Left) 2 8 7 5 6 9 7 6 8 4 8 2 1 8 2 8 6 8 1 3 1 1 3 (Right) How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?
Ans	☒ A. One
	☒ B. Four
	☒ C. Three
	☒ D. Two
Q.78	Moksh starts from Point A and drives 21 km towards the south. He then takes a left turn, drives 14 km, turns left and drives 29 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
Ans	☒ A. 8 km to the west
	☒ B. 7 km to the west
	☒ C. 7 km to the east
	☒ D. 8 km to the east
Q.79	If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5431786, what will be difference between the highest and lowest digits in the number thus formed?
Ans	☒ A. 6
	☒ B. 8
	☒ C. 2
	☒ D. 5
Q.80	Each letter in the word MONKEYS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is fourth from the right in the new letter cluster thus formed?
Ans	☒ A. 2
	☒ B. 4
	☒ C. 1
	☒ D. 5

Q.81	If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 2563174, then how many digits will appear more than once in the new number thus formed?	
Ans	✓ A. Two ✗ B. Zero ✗ C. Three ✗ D. One	
Q.82	If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation? $17 - 3 \div 8 + 21 \times 3 = ?$	
Ans	✗ A. 49 ✓ B. 52 ✗ C. 50 ✗ D. 51	
Q.83	In a certain code language, "WIAO" is coded as "40" and "TNCR" is coded as "47". What is the code for "FXAJ" in that given language?	
Ans	✗ A. 30 ✓ B. 33 ✗ C. 39 ✗ D. 41	
Q.84	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)	
Ans	✓ A. UQ - SP ✗ B. NJ - LH ✗ C. QM - OK ✗ D. WS - UQ	
Q.85	Seven people, R, B, Y, J, E, F and N, are sitting in a row, facing north. Y sits third from the right end. Only three people sit between B and Y. N is the immediate neighbour of E and J. F sits second to the right of E. How many people sit between R and J?	
Ans	✗ A. Five ✗ B. Three ✓ C. Four ✗ D. Two	
Q.86	Anil ranked 27th from the top and 19th from the bottom in his class. How many students are there in his class?	
Ans	✗ A. 43 ✗ B. 44 ✓ C. 45 ✗ D. 46	

Q.87	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)	
Ans	☒ A. OH-KM	
	☒ B. QJ-MO	
	☒ C. LE-HJ	
	☒ D. JC-FG	
Q.88	In a row of people all facing the north, Jonny is 24 th from the left end. Anuj is 28 th from the left end. Anuj is exactly between Jonny and Rishabh. If Rishabh is 16 th from the right end of the line, how many people are there in the row?	
Ans	☒ A. 45	
	☒ B. 47	
	☒ C. 44	
	☒ D. 46	
Q.89	In a certain code language, A ≤ B means 'A is the son of B' A ≠ B means 'A is the father of B' A @ B means 'A is the brother of B' A - B means 'A is the wife of B' Based on the above, how is P related to X if 'P - Q @ S ≤ T ≠ X'?	
Ans	☒ A. Son's wife	
	☒ B. Father's mother	
	☒ C. Father's sister	
	☒ D. Brother's wife	
Q.90	What should come in place of '?' in the given series? 23 32 42 53 65 78 ?	
Ans	☒ A. 90	
	☒ B. 85	
	☒ C. 87	
	☒ D. 92	
Q.91	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? ICX 9, LFZ 16, OIB 25, RLD 36, ?	
Ans	☒ A. VOJ 48	
	☒ B. UPI 48	
	☒ C. VPJ 49	
	☒ D. UOF 49	
Q.92	In a certain code language, A x B means 'A is the father of B', A ≠ B means 'A is the son of B', A ÷ B means 'A is the daughter of B' and A ₹ B means 'A is the sister of B'. Based on the above, how is C related to M if 'C ₹ D ≠ E ÷ L x M'?	
Ans	☒ A. Daughter	
	☒ B. Sister's daughter	
	☒ C. Mother's mother	
	☒ D. Sister	

Q.93	Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (5, 120, 12) (3, 84, 14)	
Ans	☒ A. (7, 155, 11)	
	☒ B. (2, 78, 13)	
	☒ C. (4, 150, 19)	
	☒ D. (6, 216, 18)	
Q.94	Each letter in the word JUMBLED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is first from the right in the new letter cluster thus formed?	
Ans	☒ A. 9	
	☒ B. 11	
	☒ C. 13	
	☒ D. 10	
Q.95	What should come in place of '?' in the given series? 65 ? 24 15 11 10	
Ans	☒ A. 38	
	☒ B. 40	
	☒ C. 42	
	☒ D. 44	
Q.96	What should come in place of the question mark (?) in the given series to make it logically complete? MV7 PT13 RR19 ?	
Ans	☒ A. TR27	
	☒ B. TP25	
	☒ C. SP25	
	☒ D. TQ26	
Q.97	Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)	
Ans	☒ A. NPS	
	☒ B. HJL	
	☒ C. EGJ	
	☒ D. QSV	

Q.98	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s). Statements: All carpets are shoes. All paintings are shoes. Conclusions: (I) Some carpets are paintings. (II) Some shoes are paintings.	
Ans	☒ A. Only conclusion (I) follows	
	☒ B. Neither conclusion (I) nor (II) follows	
	☒ C. Both conclusions (I) and (II) follow	
	☒ D. Only conclusion (II) follows	
Q.99	Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between C and G. Only F is kept above B. No box is kept below G. E is kept at some place below A but at some place above D. How many boxes are kept between F and D?	
Ans	☒ A. 3	
	☒ B. 1	
	☒ C. 4	
	☒ D. 2	
Q.100	SMAL is related to VQFR in a certain way based on the English alphabetical order. In the same way, ECUJ is related to HGZP. To which of the following options is NOJB related, following the same logic?	
Ans	☒ A. QSIO	
	☒ B. QOSH	
	☒ C. QSHO	
	☒ D. QSOH	



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	09/05/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 During a sale, 50% of the goods are sold at 21% profit, 40% of the remaining goods are sold at 36% profit and the still remaining goods are sold at a loss of 29%. If there is an overall profit of x%, then what is the value of x?

- Ans**
- ☒ A. 10
- ☒ B. 8.5
- ☒ C. 9
- ☒ D. 9.5

Q.2 The largest four-digit number which when divided by 6, 14 and 7 leaves remainder 5 in each case is:

- Ans**
- ☒ A. 9973
- ☒ B. 9959
- ☒ C. 9946
- ☒ D. 9998

Q.3 A shopkeeper marks an article 40% above its cost price. He then allows two successive discounts of 18% and 5% on the marked price. Find the profit percentage.

- Ans**
- ☒ A. 9.77%
- ☒ B. 8.96%
- ☒ C. 8.07%
- ☒ D. 9.06%

Q.4 A trader buys a chair for ₹200, sells it at a 10% profit, and then the buyer sells it again at a 15% profit. What is the final selling price?

- Ans**
- ☒ A. ₹253
- ☒ B. ₹242
- ☒ C. ₹260
- ☒ D. ₹230

Q.5 What is the digit y if the number 6y512 is exactly divisible by both 8 and 9?

- Ans**
- ☒ A. 6
- ☒ B. 2
- ☒ C. 4
- ☒ D. 8

Q.6	Simplify: $15 + \frac{12}{\cot^2 A} - \frac{12}{\cos^2 A}$	
Ans	☒ A. 4	
	☒ B. 3	
	☒ C. 5	
	☒ D. 7	
Q.7	The sum of two positive numbers is 35 and their product is 286. The positive difference between them is:	
Ans	☒ A. 8	
	☒ B. 9	
	☒ C. 18	
	☒ D. 14	
Q.8	The average of five numbers 7, 11, 15, x, and 23 is 15. What is the value of x?	
Ans	☒ A. 19	
	☒ B. 17	
	☒ C. 23	
	☒ D. 21	
Q.9	The average of 8 numbers is 45. If each number is decreased by 4, what will the new average be?	
Ans	☒ A. 8	
	☒ B. 41	
	☒ C. 45	
	☒ D. 37	
Q.10	If a square's diagonal is extended by 6 units beyond a vertex, forming a triangle outside the square, what is the angle between this extension and the adjacent side of the square?	
Ans	☒ A. 30 degrees	
	☒ B. 45 degrees	
	☒ C. 90 degrees	
	☒ D. 60 degrees	
Q.11	The sum of the ages of a daughter and her mother is 76 years. After 4 years, the age of the mother will be three times that of the daughter. What is the present age (in years) of the mother?	
Ans	☒ A. 17	
	☒ B. 18	
	☒ C. 57	
	☒ D. 59	
Q.12	Two bags contain marbles in the ratio 5 : 7. If 12 marbles are transferred from the second bag to the first bag, the ratio of marbles in the two bags becomes 7 : 5. Find the original number of marbles in the second bag.	
Ans	☒ A. 68	
	☒ B. 42	
	☒ C. 63	
	☒ D. 72	

Q.13	Girish scored 448 marks in an examination and was 64 marks short of 16% of maximum marks. In the same examination, his friend scored 672 marks. What is the percentage of marks scored by his friend?
Ans	☒ A. 19%
	☒ B. 24%
	☒ C. 22%
	☒ D. 21%
Q.14	A and B can complete a task in 20 days and 25 days, respectively. They started working together, but B left after 5 days. How many more days will A take to finish the remaining work?
Ans	☒ A. 12 days
	☒ B. 11 days
	☒ C. 10 days
	☒ D. 9 days
Q.15	The perimeter of a rectangle is 56 cm. Its length is 4 cm more than twice its breadth. Find the breadth.
Ans	☒ A. 6 cm
	☒ B. 12 cm
	☒ C. 10 cm
	☒ D. 8 cm
Q.16	A sum of ₹8,000 is invested at a compound interest rate of 12.5% per annum for 2 years, compounded annually. What is the compound interest earned?
Ans	☒ A. ₹2,000
	☒ B. ₹2,500
	☒ C. ₹2,250
	☒ D. ₹2,125
Q.17	If the compound interest on a sum for 2 years at 5% per annum is ₹102.50, what is the sum?
Ans	☒ A. ₹1,000
	☒ B. ₹1,025
	☒ C. ₹950
	☒ D. ₹1,100
Q.18	A solid cube is melted and half of its material is recast into a cuboid whose length, breadth, and height are in the ratio 2 : 1 : 1. The difference between the volume of the original cube and the cuboid formed is 250 cm^3 . Find the total surface area of the cuboid.
Ans	☒ A. 100 cm^2
	☒ B. 120 cm^2
	☒ C. 80 cm^2
	☒ D. 250 cm^2

Q.19	A shopkeeper offers the following schemes on toys of the same marked price. (A) Successive discounts of 5% and 30% on any number of toys bought. (B) Successive discounts of 18%, 15% and 5% on any number of toys bought. (C) 11% discount on the first 5 toys and 47% discount on each toy thereon. (D) 2 toys free of cost on buying 5 toys. A customer wants to buy 5 toys. Which of the above schemes is the least beneficial to her?	
Ans	☒ A. B	
	☒ B. D	
	☒ C. C	
	☒ D. A	
Q.20	Simplify $\left\{\left(\frac{14}{24}\right) \div \left(\frac{14}{9}\right)\right\} \div \left(\frac{3}{7} \times \frac{14}{9} + \frac{5}{8}\right) + \frac{9}{10} \div \frac{31}{24}$ of $\frac{24}{10}$	
Ans	☒ A. $\frac{13}{37}$	
	☒ B. $\frac{18}{31}$	
	☒ C. $\frac{14}{33}$	
	☒ D. $\frac{17}{26}$	
Q.21	Simplify: $5.25 + 2.75 - \frac{3}{5} - \frac{2}{5} \times \frac{10}{20}$	
Ans	☒ A. 8.2	
	☒ B. 7.2	
	☒ C. 5.2	
	☒ D. 6.2	
Q.22	An altitude of $12\sqrt{2}$ cm is drawn to the base of an isosceles triangle. The perimeter of this triangle is 48 cm. Find the area of the triangle.	
Ans	☒ A. $60\sqrt{2}$ cm ²	
	☒ B. $36\sqrt{2}$ cm ²	
	☒ C. $12\sqrt{2}$ cm ²	
	☒ D. $72\sqrt{2}$ cm ²	
Q.23	Find the third proportional to 6 and 12.	
Ans	☒ A. 24	
	☒ B. 36	
	☒ C. 18	
	☒ D. 48	
Q.24	Three numbers in the ratio 2 : 5 : 7 are taken as the first, second, and third terms, respectively. If their fourth proportional is 140, find the middle number.	
Ans	☒ A. 50	
	☒ B. 35	
	☒ C. 30	
	☒ D. 40	

Q.25	A bus covers 90 km in 3 hours. If the speed of the bus is increased by 5 kmph, find the time taken to cover a distance of 70 km?	
Ans	☒ A. 3 hours	
	☒ B. 2.5 hours	
	☒ C. 3.5 hours	
	☒ D. 2 hours	

Q.26	The price of an article is increased by 25%. By what percentage should the increased price be reduced so that it becomes equal to the original price?	
Ans	☒ A. 22%	
	☒ B. 20%	
	☒ C. 30%	
	☒ D. 25%	

Q.27	In a division sum, the divisor is 5 times the quotient and 4 times the remainder. If the remainder is 15, what is the dividend?	
Ans	☒ A. 740	
	☒ B. 734	
	☒ C. 739	
	☒ D. 735	

Q.28	Two taps can fill a cistern in 4 hours and 10 hours, respectively. A third tap can empty it in 10 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?	
Ans	☒ A. 2	
	☒ B. 3	
	☒ C. 1	
	☒ D. 4	

Q.29	If $x^2 \times x^3 = x^a$ and $\frac{x^2}{x^b} = x^1$, what is the value of $a + b$?	
Ans	☒ A. 7	
	☒ B. 6	
	☒ C. 4	
	☒ D. 5	

Q.30	Ritu covers a distance of 40 km at 20 km/h and another distance at 40 km/h in 3 hours. Find the average speed for the whole journey.	
Ans	☒ A. 32 km/h	
	☒ B. 26 km/h	
	☒ C. 31 km/h	
	☒ D. 38 km/h	

Section : General Awareness		
Q.31	Which session of the UN Climate Change Conference was held in Baku, Azerbaijan, in November 2024?	
Ans	☒ A. COP27	
	☒ B. COP28	
	☒ C. COP29	
	☒ D. COP26	

Q.32	Through his renowned work Jnaneshwari, Sant Gyaneshwar rendered the Bhagavad Gita into which regional language?	
Ans	☒ A. Malayalam	
	☒ B. Marathi	
	☒ C. Punjabi	
	☒ D. Odia	
Q.33	According to the Constitution of India, Citizenship by incorporation of territory applies when _____.	
Ans	☒ A. India acquires new territory	
	☒ B. A citizen moves from one state to another	
	☒ C. A foreigner resides for five years	
	☒ D. A state is divided into two	
Q.34	Which body's Chairperson was appointed on 1 September 2025, with Ajay Seth taking over the role?	
Ans	☒ A. Reserve Bank of India (RBI)	
	☒ B. NITI Aayog	
	☒ C. Securities and Exchange Board of India (SEBI)	
	☒ D. Insurance Regulatory and Development Authority of India (IRDAI)	
Q.35	What does RAM stand for in a computer system?	
Ans	☒ A. Read-Only Access Memory	
	☒ B. Random Access Memory	
	☒ C. Read Access Memory	
	☒ D. Random Allocation Memory	
Q.36	In 2025, who among the following became the first female Prime Minister of Japan?	
Ans	☒ A. Sanae Takaichi	
	☒ B. Yōko Kamikawa	
	☒ C. Kimi Onoda	
	☒ D. Satsuki Katayama	
Q.37	A web browser such as Chrome is used to access the internet. This makes it a/an:	
Ans	☒ A. System software	
	☒ B. Hardware	
	☒ C. Device troubleshooter	
	☒ D. Application software	
Q.38	After months of deadlock and implementation refusal, which State Government in November 2025 mandated the digitization of Waqf properties on the UMEED portal?	
Ans	☒ A. Andhra Pradesh	
	☒ B. Bihar	
	☒ C. Kerala	
	☒ D. West Bengal	

Q.39	In which year did Junagadh district gain recognition for organizing the country's first-ever Lok Adalat at Una?	
Ans	☒ A. 1984	
	☒ B. 1983	
	☒ C. 1985	
	☒ D. 1982	
Q.40	Suspension of enforcement of Fundamental Rights except Articles 20 and 21 occurs under which Article of the Indian Constitution?	
Ans	☒ A. Article 359	
	☒ B. Article 353	
	☒ C. Article 352	
	☒ D. Article 360	
Q.41	Which animal is targeted in Project Hangul?	
Ans	☒ A. Red panda	
	☒ B. Indian Bison	
	☒ C. Kashmir Stag	
	☒ D. Himalayan Musk deer	
Q.42	Which season in India is characterised by hot, dry winds known as 'Loo'?	
Ans	☒ A. Summer season	
	☒ B. Retreating monsoon	
	☒ C. Pre-monsoon showers	
	☒ D. Cold weather season	
Q.43	Which company announced in 2025 that it plans to invest US\$15 billion for the expansion of airports in India by 2030?	
Ans	☒ A. Jindal Group	
	☒ B. Reliance Group	
	☒ C. Tata Group	
	☒ D. Adani Group	
Q.44	Which of the following is an example of structural unemployment?	
Ans	☒ A. A worker loses their job due to seasonal fluctuations in tourism	
	☒ B. A person quits a job to pursue higher education	
	☒ C. A worker is laid off during a temporary dip in demand	
	☒ D. A textile worker loses the job due to industry automation	
Q.45	What was a significant objective of the fiscal and monetary policy reforms initiated in India post 1991?	
Ans	☒ A. To decrease foreign investment in the financial sector	
	☒ B. To stabilise the economy by liberalising interest rates and enhancing financial sector efficiency	
	☒ C. To increase government control over the banking sector	
	☒ D. To maintain fixed interest rates across all financial products	

Q.46	As of November 2025, Article 1 of the Indian Constitution classifies Indian territory into how many distinct categories under Constitutional provisions?	
Ans	☐ A. Four	
	☒ B. Three	
	☐ C. Two	
	☐ D. Five	
Q.47	What event caused Mahatma Gandhi to withdraw the non-cooperation movement in February 1922?	
Ans	☐ A. A decision by the British to suspend restrictions on civil liberties.	
	☒ B. The violent attack on policemen during the Chauri Chaura incident.	
	☐ C. The approval of a new round of constitutional negotiations by London.	
	☐ D. A nationwide strike by textile workers in Bombay and Ahmedabad.	
Q.48	Which irrigation technique is considered most efficient for conserving water?	
Ans	☐ A. Flood irrigation	
	☒ B. Drip irrigation	
	☐ C. Canal irrigation	
	☐ D. Sprinkler irrigation	
Q.49	Tank irrigation is mainly practiced in which of the following states of India due to uneven terrain and less rainfall?	
Ans	☐ A. West Bengal	
	☐ B. Haryana	
	☐ C. Himachal Pradesh	
	☒ D. Karnataka	
Q.50	Which of the following situations in football leads to a 'Penalty Kick' being awarded?	
Ans	☐ A. A player scores three consecutive goals	
	☒ B. A foul is committed inside the penalty area	
	☐ C. The goalkeeper handles the ball outside the goal	
	☐ D. A player is offside	
Q.51	Which of the following islands/island groups of India is of coral origin?	
Ans	☒ A. Lakshadweep Islands	
	☐ B. Diu Island	
	☐ C. Nicobar Islands	
	☐ D. Andaman Islands	
Q.52	Which of the following file formats does not get affected by the destination format and version?	
Ans	☐ A. .pptx	
	☐ B. .ppt	
	☒ C. .pdf	
	☐ D. .docx	

Q.53	In which year was the Rashtriya Sanskrit Sansthan established for the development and promotion of Sanskrit?
Ans	☒ A. 1970 ☐ B. 1990 ☐ C. 1960 ☐ D. 1980
Q.54	Which of the following statements is/are true or false about the Windows 11 Task Manager? (i) It can monitor network usage and identify which app is using the most bandwidth. (ii) It can only view or end unresponsive apps, not start new programs or processes.
Ans	☐ A. (i) False, (ii) False ☐ B. (i) True, (ii) True ☒ C. (i) True, (ii) False ☐ D. (i) False, (ii) True
Q.55	The Bhadla Solar Park, one of the largest in the world, is located in which Indian state?
Ans	☐ A. Gujarat ☐ B. Maharashtra ☒ C. Rajasthan ☐ D. Madhya Pradesh
Q.56	What is the primary goal of the Bharatiya Antariksha Station (BAS) initiative announced by ISRO?
Ans	☐ A. To privatize satellite launches in India ☒ B. To establish an indigenous space station ☐ C. To build India's first space telescope ☐ D. To launch India's first human mission to Mars
Q.57	Which of the following SI prefixes has a multiplicative factor of 10^{-9} ?
Ans	☐ A. Milli ☒ B. Nano ☐ C. Centi ☐ D. Micro
Q.58	In which of the following cases is the work done negative?
Ans	☐ A. Force and displacement are between 0° and 90° ☐ B. Force and displacement are in the same direction ☒ C. Force and displacement are between 90° and 180° ☐ D. Force and displacement are mutually perpendicular
Q.59	In which year was the Indian freedom fighter Tantia Tope , a prominent leader of the Revolt of 1857, executed by the British?
Ans	☐ A. 1860 ☒ B. 1859 ☐ C. 1857 ☐ D. 1858

Q.60	Which of the following rulers issued the famous Junagarh inscription?
Ans	☒ A. Nahapana
	☒ B. Kanishka
	☒ C. Kadphises I
	☒ D. Rudradaman I
Q.61	According to a 2025 release by the Department of Science and Technology, the new sodium-ion battery developed at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) can be fast-charged to about 80% in roughly:
Ans	☒ A. 26 minutes
	☒ B. 16 minutes
	☒ C. 36 minutes
	☒ D. 6 minutes
Q.62	The main aim of globalisation in India was to_____.
Ans	☒ A. Promote only self-sufficiency within the nation
	☒ B. Restrict and close foreign trade completely
	☒ C. Increase and maintain higher trade barriers
	☒ D. Integrate Indian economy with global markets
Q.63	Kalidasa, the celebrated Sanskrit poet and dramatist, flourished in the court of which Gupta ruler?
Ans	☒ A. Samudragupta
	☒ B. Chandragupta II
	☒ C. Chandragupta I
	☒ D. Skandagupta
Q.64	Name the popular technique used by the Harappans for casting bronze.
Ans	☒ A. Sand Casting Technique
	☒ B. Die Casting Technique
	☒ C. Lost-Wax Technique
	☒ D. Open Mould Casting Technique
Q.65	Which of the following judicial approaches is best exemplified by the practice of Public Interest Litigation (PIL) in India?
Ans	☒ A. Judicial Absolutism
	☒ B. Judicial Restraint
	☒ C. Judicial Activism
	☒ D. Judicial Passivism
Q.66	Which policy decision of Lord Curzon directly provoked strong nationalist opposition in the early 1900s?
Ans	☒ A. Issuing minor administrative regulations that changed routine procedures in provincial departments.
	☒ B. Revising local body finances by making small adjustments to grants and supervisory rules.
	☒ C. Altering advisory council arrangements without increasing Indian representation.
	☒ D. Enacting the Universities Act of 1904, which tightened official control over Indian higher education.

Q.67	What will be the resultant force if a body of mass 10 kg is moving with an acceleration of 5m/sec ² ?
Ans	☒ A. 5 Newton
	☒ B. 2 Joule
	☒ C. 2 Newton
	☒ D. 50 Newton

Q.68	Which pancreatic hormone regulates blood glucose levels by stimulating the uptake of glucose by body cells?
Ans	☒ A. Thyroxine
	☒ B. Glucagon
	☒ C. Cortisol
	☒ D. Insulin

Q.69	Which post-100th Amendment is the most recent and aims to reserve seats for women, with certain transitional and delimitation requirements before it becomes fully operational?
Ans	☒ A. 106th Amendment
	☒ B. 105th Amendment
	☒ C. 103rd Amendment
	☒ D. 104th Amendment

Q.70	Which declaration was NOT signed during PM Modi's visit to France in February 2025?
Ans	☒ A. India-France Innovation Treaty
	☒ B. India-France Declaration on Artificial Intelligence
	☒ C. India-France Cybersecurity Agreement
	☒ D. India-France Infrastructure Pact

Section : General Intelligence and Reasoning

Q.71	What should come in place of ? in the given series based on the English alphabetical order? FCZ YVS ROL KHE ?
Ans	☒ A. DAX
	☒ B. DZW
	☒ C. DFG
	☒ D. DBW

Q.72	BO 7 is related to EI -7 in a certain way. In the same way, CS 10 is related to FM -4. To which of the following is IJ 20 related, following the same logic?
Ans	☒ A. GJ 9
	☒ B. OP -3
	☒ C. HT -6
	☒ D. LD 6

Q.73	What should come in place of '?' in the given series based on the English alphabetical order? CGT FJW IMZ LPC ?
Ans	☒ A. OSF
	☒ B. ORF
	☒ C. NRE
	☒ D. QTC

Q.74	Seven boxes R, S, T, U, V, W and X are kept one over the other but not necessarily in the same order. V is kept neither at the top nor at the bottom. Only three boxes are kept between U and W. R is kept one of the positions between S and T. W is kept second from the bottom and immediately below T. How many boxes are kept between X and T?
Ans	☒ A. FOUR
	☒ B. THREE
	☒ C. ONE
	☒ D. TWO
Q.75	Refer to the following letter series and answer the question that follows. Counting to be done from left to right only. (Left) S Z E C A O Q M D P U I J L N X K D (Right) How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?
Ans	☒ A. Two
	☒ B. None
	☒ C. Three
	☒ D. One
Q.76	In a certain code language, "SFOR" is coded as "116" and "WILA" is coded as "90". What is the code for "GMVC" in that given language?
Ans	☒ A. 120
	☒ B. 95
	☒ C. 110
	☒ D. 90
Q.77	Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (5, 3, 16) (6, 3, 19)
Ans	☒ A. (3, 5, 15)
	☒ B. (1, 7, 8)
	☒ C. (7, 3, 20)
	☒ D. (4, 6, 21)
Q.78	In a certain code language, A + B means 'A is the husband of B', A - B means 'A is the brother of B', A × B means 'A is the mother of B', and A ÷ B means 'A is the sister of B'. Based on the above, how is G related to R if 'G ÷ H + I × T - R'?
Ans	☒ A. Brother's wife
	☒ B. Mother's sister
	☒ C. Father's mother
	☒ D. Father's sister

Q.79	Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept below C. Only two boxes are kept between E and C. Only Q is kept above D. S is kept at some place below B but at some place above R. Which box is kept immediately above S?
Ans	✗ A. B ✓ B. E ✗ C. R ✗ D. D
Q.80	Seven boxes C,D,E,F,G,H and P are kept one over the other but not necessarily in the same order. C is kept second from the bottom. Only three boxes are kept between C and G. F is kept at one of the positions below C. Only H is kept between G and P. E is kept at one of the positions above G. How many boxes are kept between D and E?
Ans	✓ A. Three ✗ B. Four ✗ C. Two ✗ D. One
Q.81	In a certain code language, A @ B means 'A is the mother of B', A & B means 'A is the husband of B', A # B means 'A is the father of B', A % B means 'A is the son of B' and A * B means 'A is the daughter of B'. If G * K & V @ P # W % J, then how is J related to G?
Ans	✗ A. Mother's brother's son ✓ B. Brother's wife ✗ C. Brother's daughter ✗ D. Sister's son
Q.82	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)
Ans	✗ A. RL-IQ ✓ B. OI – EN ✗ C. VP – MU ✗ D. CW-TB
Q.83	What should come in place of '?' in the given series? 217 190 165 142 121 102 ?
Ans	✗ A. 92 ✗ B. 87 ✗ C. 90 ✓ D. 85
Q.84	What should come in place of the question mark (?) in the given series based on the English alphabetical order? ACE DFH GIK JLN ?
Ans	✗ A. OQS ✗ B. MPQ ✓ C. MOQ ✗ D. NQT

Q.85	BGKM is related to HKMN in a certain way based on the English alphabetical order. In the same way, FHNP is related to LLPQ . To which of the following is NRTX related, following the same logic?
Ans	☒ A. GFLN ☒ B. TVVY ☒ C. SWYC ☒ D. TXZD
Q.86	Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)
Ans	☒ A. CEH ☒ B. PRU ☒ C. UWX ☒ D. JLO
Q.87	Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. Only three people sit between H and W. K sits to the immediate left of W. No one sits to the right of I. Only two people sit between I and K. Z sits to the immediate right of J. How many people sit between Y and Z?
Ans	☒ A. One ☒ B. Three ☒ C. Four ☒ D. Two
Q.88	What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged? $2814 \times 7 - 3 \div 75 + 5 = ?$
Ans	☒ A. 321 ☒ B. 622 ☒ C. 421 ☒ D. 522
Q.89	If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 7213546, which of the following digits will be third from the left in the new number thus formed?
Ans	☒ A. 7 ☒ B. 9 ☒ C. 5 ☒ D. 3
Q.90	Each letter in the word GUILDER is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?
Ans	☒ A. 8 ☒ B. 11 ☒ C. 9 ☒ D. 7

Q.91	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s). Statements: All eggs are squares. Some crows are eggs. Conclusion (I): Some squares are crows. Conclusion (II): All eggs are crows.	
Ans	☒ A. Both conclusions (I) and (II) follow	
	☒ B. Only conclusion (I) follows	
	☒ C. Neither conclusion (I) nor (II) follows	
	☒ D. Only conclusion (II) follows	
Q.92	In a certain code language, 'eagle gum novel' is coded as 'fq ko hz' and 'novel fresh zebra' is coded as 'ko ef ni'. How is 'novel' coded in the given language?	
Ans	☒ A. ef	
	☒ B. hz	
	☒ C. fq	
	☒ D. ko	
Q.93	If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 486?	
Ans	☒ A. 404 A 4 C 15 D 50 B 8	
	☒ B. 404 D 4 D 15 C 50 A 8	
	☒ C. 404 B 4 D 15 C 50 A 8	
	☒ D. 404 A 4 D 15 C 50 B 8	
Q.94	Mr. Yorly starts from Point A and drives 9 km towards North. He then takes a left turn, drives 13 km, turns left and drives 19 km. He then takes a left turn and drives 44 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)	
Ans	☒ A. 35 km to the North	
	☒ B. 33 km to the South	
	☒ C. 31 km to the West	
	☒ D. 22 km to the East	
Q.95	What should come in place of the '?' in the given series? 43 ? 31 67 19 79	
Ans	☒ A. 50	
	☒ B. 52	
	☒ C. 60	
	☒ D. 55	
Q.96	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)	
Ans	☒ A. HC - GB	
	☒ B. JE - MK	
	☒ C. NI - MH	
	☒ D. LG - KF	

Q.97	Ar, Bg, Cf, Dn, Ej, Fm and Gv are sitting around a circular table, facing the centre. Bg sits third to the right of Ej. Gv sits third to the left of Ej. Fm is the immediate neighbour of Cf and Bg. Dn is not an immediate neighbour of Ej. How many people sit between Ar and Fm when counted from the left of Fm?	
Ans	☒ A. Four	
	☒ B. One	
	☒ C. Two	
	☒ D. Three	
Q.98	Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Bright 2. Bring 3. Bread 4. Break 5. Brain	
Ans	☒ A. 5, 3, 4, 1, 2	
	☒ B. 5, 3, 1, 2, 4	
	☒ C. 2, 5, 1, 4, 3	
	☒ D. 1, 5, 4, 2, 3	
Q.99	LHLP is related to TPTX in a certain way based on the English alphabetical order. In the same way, DZDH is related to LHLP. To which of the following is JFJN related, following the same logic?	
Ans	☒ A. RNQV	
	☒ B. ROQW	
	☒ C. RMQV	
	☒ D. RNRV	
Q.100	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s). Statements: All carrots are onions. All onions are peas. Conclusions (I) : All peas are carrots. Conclusions (II) : Some onions are carrots.	
Ans	☒ A. Both conclusions (I) and (II) follow	
	☒ B. Only conclusion (II) follows	
	☒ C. Neither conclusion (I) nor (II) follows	
	☒ D. Only conclusion (I) follows	



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	09/05/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 A sum of money amounts to ₹19,360 in 3 years at 10% per annum, compounded annually. The compound interest (in ₹) earned is (Round off your answer to the nearest paise.)

- Ans
- ☒ A. ₹4914.55
 - ☒ B. ₹4714.55
 - ☒ C. ₹4614.55
 - ☒ D. ₹4814.55

Q.2 Three automatic doors in a metro station undergo system checks at regular intervals of 14 minutes, 18 minutes, and 21 minutes, respectively. If all three doors are checked together at the start, after how many minutes will they be checked together again for the first time?

- Ans
- ☒ A. 132 minutes
 - ☒ B. 126 minutes
 - ☒ C. 142 minutes
 - ☒ D. 136 minutes

Q.3 Aman and Raj invested ₹12,000 and ₹18,000, respectively, in a business. After one year, they earned a profit of ₹15,000. How much profit will each get?

- Ans
- ☒ A. Aman: ₹8,000, Raj: ₹7,000
 - ☒ B. Aman: ₹7,500, Raj: ₹7,500
 - ☒ C. Aman: ₹6,000, Raj: ₹9,000
 - ☒ D. Aman: ₹5,000, Raj: ₹10,000

Q.4 Two trains, X and Y, start at the same time from Delhi and Mumbai towards each other. After meeting, train X takes 6 hours to reach Mumbai, and train Y takes 8 hours to reach Delhi. If train X's speed is 60 km/h, what is the speed of train Y?

- Ans
- ☒ A. $28\sqrt{3}$ km/h
 - ☒ B. $30\sqrt{2}$ km/h
 - ☒ C. $28\sqrt{2}$ km/h
 - ☒ D. $30\sqrt{3}$ km/h

Q.5 The value of $(\cos^2 67^\circ - \sin^2 23^\circ) + 4 \cos 30^\circ$ is:

- Ans ☒ A. $2\sqrt{3}$
☒ B. $3\sqrt{2}$
☒ C. $\sqrt{3}$
☒ D. $5\sqrt{2}$

Q.6 Find the median of the following data (correct to two places of decimal).

Class interval	0-6	6-12	12-18	18-24	24-30	30-36
Frequency	5	7	10	13	9	8

- Ans ☒ A. 29.73
☒ B. 21.23
☒ C. 19.85
☒ D. 26.48

Q.7 A cylindrical tank has a radius of 7 m and a height of 11 m. How many litres of water can it hold? (Use $\pi = 22/7$)

- Ans ☒ A. 16,94,000
☒ B. 16,74,000
☒ C. 16,64,000
☒ D. 16,84,000

Q.8 A shopkeeper bought 7 decorative lamps for ₹2,850. Due to damage, 2 lamps could not be sold. He sold the remaining lamps at ₹360 each. What is his total loss (in ₹)?

- Ans ☒ A. ₹960
☒ B. ₹1,050
☒ C. ₹840
☒ D. ₹1,100

Q.9 The cost of a certain fabric is directly proportional to its length for a given width. If the cost of 8 meters of the fabric is ₹3,200, what will be the cost of 25 meters of the same fabric?

- Ans ☒ A. ₹9,800
☒ B. ₹9,400
☒ C. ₹10,000
☒ D. ₹9,600

Q.10 Find the mode of the following distribution:

Class	5-15	15-25	25-35	35-45
Frequency	6	14	18	12

- Ans ☒ A. 29
☒ B. 30
☒ C. 28
☒ D. 26

Q.11 40 persons begin to work together on a job. But after some days 10 persons left the work. As a result, the job which should have been completed in 50 days is completed in 60 days. How many days after the commencement of the work did the 10 persons leave?

- Ans ☒ A. 15
☒ B. 18
☒ C. 22
☒ D. 20

Q.12 If p is a prime number and $\text{GCD}(p^2-1, p^2+1) = 2$, then the value of p must be:

- Ans
- ☐ A. Any prime number
 - ☒ B. Any odd prime
 - ☐ C. Only 3
 - ☐ D. Only 2

Q.13 A car covers a distance of 180 km in 3 hours. Find its average speed.

- Ans
- ☐ A. 50 km/h
 - ☐ B. 70 km/h
 - ☐ C. 80 km/h
 - ☒ D. 60 km/h

Q.14 Riya and Neha have certain amount of money. If Riya gives ₹20 to Neha, then Riya will have three times as much money as Neha. However, if Neha gives ₹40 to Riya, then Riya will have five times as much money as Neha. What is the total amount of money (in ₹) that Riya and Neha initially had together?

- Ans
- ☐ A. 710
 - ☐ B. 690
 - ☒ C. 720
 - ☐ D. 700

Q.15 In a fitness park, a straight walking path is divided into three consecutive segments. The lengths of the first and third segments are 18 m and 50 m respectively. If the length of the middle segment is the mean proportional between the other two, what is its length?

- Ans
- ☒ A. 30 m
 - ☐ B. 27 m
 - ☐ C. 25 m
 - ☐ D. 36 m

Q.16 A solid right circular cylinder has curved surface area $1408\pi \text{ cm}^2$. If the volume of the cylinder is maximum, then the ratio of radius to height is

- Ans
- ☐ A. 1:4
 - ☐ B. 2:1
 - ☐ C. 1:3
 - ☒ D. 1:2

Q.17 In a parallelogram, the difference of two adjacent angles is 40° . Find the measure of the smaller angle.

- Ans
- ☐ A. 60°
 - ☐ B. 80°
 - ☐ C. 50°
 - ☒ D. 70°

Q.18 Two taps can fill a cistern in 4 hours and 18 hours, respectively. A third tap can empty it in 18 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans
- ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☒ D. 1

Q.19 The price of an article increases and decreases alternately by 20% every year. If the difference between the prices at the end of the second year and third year is ₹1,920, find 40% of the price (in ₹) of the article at the end of the first year.

- Ans**
- ☒ A. ₹4,800
 - ☐ B. ₹3,200
 - ☐ C. ₹2,400
 - ☐ D. ₹3,600

Q.20 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 18% and 39% on any number of toys bought.
(B) Successive discounts of 29%, 45% and 4% on any number of toys bought.
(C) 29% discount on the first 8 toys and 31% discount on each toy thereon.
(D) 7 toys free of cost on buying 8 toys.
A customer wants to buy 8 toys. Which of the above schemes is the least beneficial to her?

- Ans**
- ☐ A. B
 - ☒ B. C
 - ☐ C. A
 - ☐ D. D

Q.21 Simplify: $18 - [6 \times 2 - (3 + 1)] + 7$

- Ans**
- ☒ A. 17
 - ☐ B. 15
 - ☐ C. 21
 - ☐ D. 19

Q.22 The price of an article is decreased by 24%, but the daily sale of the article is increased by 33%. Find the net effect on the daily sale receipts.

- Ans**
- ☐ A. 2.16% decrease
 - ☐ B. 2.16% increase
 - ☒ C. 1.08% increase
 - ☐ D. 1.08% decrease

Q.23 If 9 notebooks cost ₹135, how much will 20 notebooks of the same type cost?

- Ans**
- ☐ A. ₹270
 - ☒ B. ₹300
 - ☐ C. ₹280
 - ☐ D. ₹320

Q.24 Three numbers are in the ratio 5 : 14 : 9, and their LCM is 7560. Their HCF is:

- Ans**
- ☐ A. 11
 - ☒ B. 12
 - ☐ C. 53
 - ☐ D. 32

Q.25 A trader sells rice, claiming 1 kg but actually gives x grams. He marks the price 20% above the cost price and gives a 10% discount on the marked price. If his overall profit is 25%, find x.

- Ans**
- ☒ A. 864
 - ☐ B. 856
 - ☐ C. 825
 - ☐ D. 870

Q.26 Find the value of m which satisfies

$$\left(\frac{23}{5}\right)^{13} \times \left(\frac{5}{23}\right)^9 \times \left(\frac{23}{5}\right)^5 = \left(\frac{5}{23}\right)^{6m+9}$$

- Ans
- ☐ A. 11
 - ☐ B. 4
 - ☐ C. 5
 - ☒ D. -3

Q.27 A shopkeeper sells a watch for ₹840 after giving a 30% discount. What was the marked price (in ₹) of the watch?

- Ans
- ☐ A. 1,100
 - ☐ B. 1,050
 - ☒ C. 1,200
 - ☐ D. 1,000

Q.28 Five years ago, the age of Kavita was one-third of the present age of her mother. After 5 years, the sum of their ages will be 75 years. What is Kavita's present age?

- Ans
- ☐ A. 21 years
 - ☐ B. 23 years
 - ☐ C. 22 years
 - ☒ D. 20 years

Q.29 Sarang invested a certain sum of money at 10% per annum. After 2 years, he received ₹178.5 as compound interest, compounded annually. Find the corresponding simple interest (in ₹) for 2 years at the same rate.

- Ans
- ☐ A. 180
 - ☒ B. 170
 - ☐ C. 185
 - ☐ D. 165

Q.30 The sum of two positive numbers is 77 and their product is 1392. The positive difference between them is:

- Ans
- ☐ A. 21
 - ☒ B. 19
 - ☐ C. 37
 - ☐ D. 24

Section : General Awareness

Q.31 The CPU retrieves the upcoming instruction for execution from which system component?

- Ans
- ☐ A. System output register
 - ☐ B. System secondary memory
 - ☒ C. System program counter
 - ☐ D. System input buffer unit

Q.32 Who among the following succeeded Raja Ram Mohan Roy as the leader of the Brahmo Samaj?

- Ans
- ☒ A. Debendra Nath Tagore
 - ☐ B. Swami Vivekananda
 - ☐ C. Keshub Chandra Sen
 - ☐ D. Dwarkanath Tagore

Q.33 The sports event Bastar Olympics 2025 was launched in October 2025 in which Indian state?

- Ans**
- ☒ A. Chhattisgarh
 - ☐ B. Jharkhand
 - ☐ C. Madhya Pradesh
 - ☐ D. Odisha

Q.34 What happens to the speed of sound as the temperature of the air increases?

- Ans**
- ☐ A. It remains the same, as the speed is constant in a given medium
 - ☐ B. It decreases rapidly because the air molecules move extremely slower
 - ☐ C. It decreases, because the air becomes less dense
 - ☒ D. It increases, because the air molecules move faster

Q.35 The Hornbill Festival, celebrated to showcase tribal culture, music, dance, and sports, is associated with which Indian state?

- Ans**
- ☐ A. Assam
 - ☐ B. Manipur
 - ☐ C. Meghalaya
 - ☒ D. Nagaland

Q.36 Which river rises west of the Rohtang pass in the Kullu hills of Himachal Pradesh and flows through the Chamba valley of the state?

- Ans**
- ☐ A. Jhelam river
 - ☐ B. Beas river
 - ☐ C. Chenab river
 - ☒ D. Ravi river

Q.37 Which trophy is contested between the England and Scotland teams in the Rugby Six Nations Championship, 2025?

- Ans**
- ☐ A. European Nations Trophy
 - ☒ B. Calcutta Cup
 - ☐ C. Millennium Cup
 - ☐ D. Triple Crown Trophy

Q.38 In the reaction $\text{Na}_2\text{SO}_4(\text{aq}) + \text{BaCl}_2(\text{aq}) \rightarrow \text{BaSO}_4(*) + 2\text{NaCl}(\text{aq})$, what will be the actual physical state that can replace (*)?

- Ans**
- ☐ A. (g)
 - ☐ B. (aq)
 - ☐ C. (l)
 - ☒ D. (s)

Q.39 Who among the following won the 2024 Nobel Prize in literature?

- Ans**
- ☐ A. Haruki Murakami
 - ☐ B. Gerald Murnane
 - ☒ C. Han Kang
 - ☐ D. Can Xue

Q.40 In 2025, the AGILE Index was introduced to measure which of the following areas globally?

- Ans**
- ☒ A. AI governance evaluation across countries
 - ☐ B. Digital infrastructure readiness
 - ☐ C. Global economic competitiveness
 - ☐ D. Environmental policy performance

Q.41 Service and trade fall under which type of economic activities?

- Ans**
- ☐ A. Quaternary
 - ☐ B. Primary
 - ☐ C. Secondary
 - ☒ D. Tertiary

Q.42 Who became the Chief Minister of Delhi in February 2025, marking the Bharatiya Janata Party's return to power in the capital after 27 years?

- Ans**
- ☐ A. Manish Sisodia
 - ☒ B. Rekha Gupta
 - ☐ C. Parvesh Verma
 - ☐ D. Atishi Marlena

Q.43 Which seismic waves are the fastest and travel through both solids and liquids inside the Earth?

- Ans**
- ☐ A. Rayleigh waves
 - ☒ B. P waves
 - ☐ C. S waves
 - ☐ D. Surface waves

Q.44 How did the Swadeshi movement aim to counter British policies after 1905?

- Ans**
- ☐ A. By supporting colonial factory laws restricting local enterprises.
 - ☒ B. By promoting indigenous industries and rejecting foreign products.
 - ☐ C. By creating diplomatic councils to negotiate tariff concessions.
 - ☐ D. By adopting military drills to train youth for organised defence.

Q.45 Which schedule contains the assigned functions of the Rural Local Self Government or the Panchayati Raj?

- Ans**
- ☐ A. 10th Schedule
 - ☒ B. 11th Schedule
 - ☐ C. 12th Schedule
 - ☐ D. 9th Schedule

Q.46 The Foreign Exchange Management Act (FEMA) was enacted in 1999 to replace the earlier FERA law. In which year did FEMA officially come into force?

- Ans**
- ☒ A. 2000
 - ☐ B. 1997
 - ☐ C. 2002
 - ☐ D. 1999

Q.47 Which of the following courts is empowered to impose the highest punishment among the subordinate courts in India?

- Ans**
- ☐ A. Civil Court
 - ☐ B. Consumer Court
 - ☒ C. Sessions Court
 - ☐ D. Family Court

Q.48 Which of the following statements about volcanism is most accurate in the context of geomorphic processes?

- Ans**
- ☒ A. It mainly builds or elevates parts of the crust
 - ☐ B. It only lowers existing landforms
 - ☐ C. It is controlled by rainfall and temperature
 - ☐ D. It requires running water to operate

Q.49 Harshavardhana's sister, Rajyashri, was married to whom among the following?

- Ans**
- ☐ A. Rudrasena II
 - ☐ B. Shashanka
 - ☒ C. Grahavarman
 - ☐ D. Devgupta

Q.50 India follows which model of citizenship under its Constitution?

- Ans**
- ☒ A. One: only Indian citizenship
 - ☐ B. Two: national and state
 - ☐ C. Two: national and regional
 - ☐ D. Three: local, state, national

Q.51 The Government of India Act, 1935, provided _____.

- Ans**
- ☐ A. Dyarchy in provinces
 - ☐ B. Separate electorates for Hindus only
 - ☒ C. Provincial autonomy and federal structure
 - ☐ D. Separate electorates for all communities

Q.52 The 'Make in India' initiative launched by the Government of India in 2014 is primarily focused on which of the following?

- Ans**
- ☐ A. improving healthcare facilities
 - ☐ B. promoting agricultural exports
 - ☒ C. boosting manufacturing and job creation
 - ☐ D. enhancing tourism

Q.53 The Kadamba dynasty was founded by _____, an expert in guerrilla warfare.

- Ans**
- ☐ A. Mahendravarman
 - ☐ B. Pulakesin
 - ☐ C. Vinayaditya
 - ☒ D. Mayurasarman

Q.54 Which of the following statements about the Directive Principles of State Policy is correct?

- Ans**
- ☐ A. They can be enforced by any citizen through writ petitions.
 - ☐ B. They are enforceable by the courts as Fundamental Rights.
 - ☒ C. They are non-justiciable guidelines that aim to establish a just society.
 - ☐ D. They are absolute and cannot be amended under any circumstance.

Q.55 In December 2025, which country officially extended an offer to India for the localised production of the fifth-generation Su-57 stealth fighter jets?

- Ans**
- ☐ A. France
 - ☐ B. America
 - ☒ C. Russia
 - ☐ D. Japan

Q.56 What is the primary reason for the rapid population growth in developing countries during the second stage of the Demographic Transition Model?

- Ans**
- ☐ A. High birth rates and high death rates
 - ☐ B. Low birth rates and low death rates
 - ☒ C. High birth rates and declining death rates
 - ☐ D. Low birth rates and high death rates

Q.57 A user is leaving their laptop unattended for the entire weekend and wants to ensure zero battery consumption while still being able to resume their exact work session (all open applications and files) quickly when they return on Monday. Which power-saving mode in Windows should they choose?

Ans ☒ A. Shut Down, because it is the only way to achieve zero power consumption.

☒ B. Hibernate, because it saves the entire system state to the hard disk and powers down completely.

☒ C. Hybrid Sleep, because it uses both RAM and the hard drive to store the session.

☒ D. Sleep (Standby), because it maintains the session in RAM for a very quick resume.

Q.58 Pressure is measured in which SI unit?

Ans ☒ A. N·m

☒ B. m²/N

☒ C. N/m²

☒ D. N/m

Q.59 Which first-of-its-kind propellant-production device did ISRO unveil in February 2025?

Ans ☒ A. 10-tonne Vertical Planetary Mixer

☒ B. Automated liquid oxygen plant

☒ C. 3D-printed fuel injector assembly

☒ D. Horizontal mixing facility

Q.60 If a new union territory is created, who will appoint its administrator?

Ans ☒ A. The President of India

☒ B. The Chief Minister of the nearest state

☒ C. The Parliament of India

☒ D. The Prime Minister of India

Q.61 Electrical conductors are materials that possess which of the following properties?

Ans ☒ A. Low resistivity

☒ B. Constant resistivity

☒ C. No resistivity

☒ D. High resistivity

Q.62 Which shortcut saves the current file in Microsoft Word or Microsoft Excel?

Ans ☒ A. Ctrl + Tab

☒ B. Ctrl + S

☒ C. Ctrl + F

☒ D. Ctrl + V

Q.63 Which temple in Odisha is renowned for its chariot-shaped structure and is a prime example of Kalinga architecture?

Ans ☒ A. Sun Temple

☒ B. Lingaraja Temple

☒ C. Jagannath Temple

☒ D. Mukteshvara Temple

Q.64 Aruna Mohanty, who received the Padma Shree award in 2017, is associated with which of the following dance forms?

Ans ☒ A. Manipuri

☒ B. Bharatanatyam

☒ C. Odissi

☒ D. Kathakali

Q.65 As per International Renewable Energy Agency (IRENA) data, which country has the largest installed hydropower capacity in the world as of 2025?

- Ans**
- ☒ A. China
 - ☐ B. United States
 - ☐ C. Brazil
 - ☐ D. Canada

Q.66 Articles 245 to 255 of Part XI of the Indian Constitution primarily deal with which aspect of Centre-State relations?

- Ans**
- ☐ A. Administrative relations
 - ☒ B. Legislative relations
 - ☐ C. Judicial relations
 - ☐ D. Financial relations

Q.67 In November 2025, which city hosted the Syed Modi India International Badminton Tournament?

- Ans**
- ☒ A. Lucknow
 - ☐ B. Mumbai
 - ☐ C. Hyderabad
 - ☐ D. New Delhi

Q.68 A student notices that arithmetic results appear instantly, but loading data from main memory is slower. Which CPU feature primarily reduces this delay by keeping frequently used data close to the processor?

- Ans**
- ☐ A. Instruction Set
 - ☒ B. Cache Memory
 - ☐ C. Address Decoder
 - ☐ D. CPU Fan

Q.69 In October 2025, Max Verstappen won the United States Grand Prix representing which of the following teams?

- Ans**
- ☐ A. McLaren
 - ☐ B. Ferrari
 - ☐ C. Racing Bulls
 - ☒ D. Red Bull Racing

Q.70 What is the main objective of India's fiscal policy?

- Ans**
- ☐ A. Reducing foreign trade
 - ☒ B. Economic growth and stability
 - ☐ C. Increasing fiscal deficit
 - ☐ D. Increasing inflation

Section : General Intelligence and Reasoning

Q.71 In a certain code language, 'DOLE' is coded as '7348' and 'LEMO' is coded as '2738'. What is the code for 'M' in the given code language?

- Ans**
- ☐ A. 3
 - ☐ B. 7
 - ☐ C. 8
 - ☒ D. 2

Q.72 Each vowel in the word WORTHLESSLY is changed to the second letter following it in the English alphabetical order AND each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- Ans
- ☐ A. Two
 - ☐ B. One
 - ☒ C. Four
 - ☐ D. Three

Q.73 Each vowel in the word READING is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans
- ☐ A. M
 - ☐ B. Q
 - ☐ C. C
 - ☒ D. F

Q.74 Six people A, B, P, Q, C and D are sitting in a straight line. They all are facing towards North. P is sitting immediately between Q and D. D is sitting third to the left of B. A sits second to the right of P. What is the position of C with respect to D?

- Ans
- ☐ A. Immediate left
 - ☐ B. Second to the left
 - ☒ C. Second to the right
 - ☐ D. Immediate right

Q.75 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5718624, how many digits will appear more than once in the new number thus formed?

- Ans
- ☐ A. One
 - ☐ B. Three
 - ☐ C. None
 - ☒ D. Two

Q.76 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
GDK 12 NKR 23 URY 34 BYF 45 ?

- Ans
- ☐ A. JEK 55
 - ☐ B. KGM 55
 - ☒ C. IFM 56
 - ☐ D. SBU 56

Q.77 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some fans are cars.
No car is a bus.

Conclusions:

(I) Some fans are buses.
(II) Some cars are fans.

- Ans
- ☐ A. Only conclusion (I) follows
 - ☒ B. Only conclusion (II) follows
 - ☐ C. Neither conclusion (I) nor (II) follows
 - ☐ D. Both conclusions (I) and (II) follow

Q.78 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MHL21 OJN29 QLP37 SNR45 ?

- Ans
- ☒ A. UPS54
 - ☒ B. UPS53
 - ☒ C. UPT53
 - ☒ D. UPT54

Q.79 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$322 \times 23 - 14 \div 463 + 232 = ?$$

- Ans
- ☒ A. 35
 - ☒ B. 298
 - ☒ C. 760
 - ☒ D. 427

Q.80 Town G is to the west of Town H. Town I is to the north of Town G. Town J is to the east of Town I. Town K is to the south of Town J. Town H is to the north-east of Town K. What is the position of Town G with respect to Town J?

- Ans
- ☒ A. South-west
 - ☒ B. South-east
 - ☒ C. North-east
 - ☒ D. North-west

Q.81 In a certain code language,
A × B means 'A is the son of B',
A = B means 'A is the brother of B',
A + B means 'A is the wife of B' and
A - B means 'A is the father of B'.

How is S related to Z if 'S = W × R + T - Z'?

- Ans
- ☒ A. Father
 - ☒ B. Son
 - ☒ C. Brother
 - ☒ D. Husband

Q.82 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ A. OL-JQ
 - ☒ B. UR-PW
 - ☒ C. XU-SY
 - ☒ D. RO-MT

Q.83 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

SAID - AISD - DIAS
MODE - ODME - EDOM

- Ans
- ☒ A. HOGS - OHGS - SOGH
 - ☒ B. TONG - ONTG - GNOT
 - ☒ C. UGLY - GLUY - GLYU
 - ☒ D. MIND - MNID - DNIM

Q.84 Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. Only J sits to the left of W. Only four people sit between J and Y. Only I sits between K and H and K is not an immediate neighbor of Y. How many people sit to the right of Z?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. None
 - ☒ D. Two

Q.85 What should come in place of '?' in the given series?
38 55 74 95 118 ?

- Ans**
- ☒ A. 161
 - ☒ B. 143
 - ☒ C. 155
 - ☒ D. 152

Q.86 WT 16 is related to XW -1 in a certain way. In the same way, DE 9 is related to EH -8. To which of the following is NK 19 related, following the same logic?

- Ans**
- ☒ A. UY 1
 - ☒ B. NJ 7
 - ☒ C. ON 2
 - ☒ D. TY 5

Q.87 Tus ranked 56th from the bottom and 51st from the top in his class. How many students are there in his class?

- Ans**
- ☒ A. 107
 - ☒ B. 106
 - ☒ C. 105
 - ☒ D. 108

Q.88 QQ 5 is related to VR -6 in a certain way. In the same way, LV 12 is related to QW 1. To which of the following is ES 16 related, following the same logic?

- Ans**
- ☒ A. YT 4
 - ☒ B. JT 5
 - ☒ C. UG 3
 - ☒ D. RW 1

Q.89 In a certain code language, "EUOA" is coded as "53" and "YFMP" is coded as "71". What is the code for "RIZB" in that given language?

- Ans**
- ☒ A. 56
 - ☒ B. 66
 - ☒ C. 60
 - ☒ D. 58

Q.90 What should come in place of '?' in the given series based on the English alphabetical order?

TGA WJD ZMG CPJ ?

- Ans**
- ☒ A. FSM
 - ☒ B. ERL
 - ☒ C. DPN
 - ☒ D. GTC

Q.91 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(163, 186, 23)

(144, 200, 56)

Ans ☒ A. (141, 229, 98)

☒ B. (113, 178, 65)

☒ C. (135, 187, 62)

☒ D. (201, 243, 43)

Q.92 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☒ A. FGC

☒ B. BCY

☒ C. LNI

☒ D. NOK

Q.93 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) U L Y M R D E L C D A E H R O H F X L D W H (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

Ans ☒ A. Four

☒ B. Two

☒ C. One

☒ D. Three

Q.94 Seven boxes M, N, O, P, X, Y and Z are kept one over the other but not necessarily in the same order. Y is kept second from the bottom. Only three boxes are kept between Y and O. X is kept at one of the positions below Y. Only N is kept between O and P. M is kept at one of the positions above O. How many boxes are kept between X and M?

Ans ☒ A. Three

☒ B. One

☒ C. Four

☒ D. Five

Q.95 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ A. TPR

☒ B. NJK

☒ C. PLN

☒ D. VRT

Q.96 What should come in place of '?' in the given series?

90 91 ? 126 190 315

- Ans
- ☐ A. 101
 - ☐ B. 91
 - ☒ C. 99
 - ☐ D. 111

Q.97 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All routers are dongles. All routers are phones.

Conclusion (I) : Some dongles are phones

Conclusion (II) : All phones are routers

- Ans
- ☐ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Only conclusion (I) follows
 - ☐ C. Both conclusions (I) and (II) follow
 - ☐ D. Only conclusion (II) follows

Q.98 In a certain code language,
A x B means 'A is the mother of B',
A ≠ B means 'A is the wife of B',
A ÷ B means 'A is the daughter of B' and
A ₹ B means 'A is the father of B'.

Based on the above, how is C related to M if 'C ÷ D ≠ E ₹ L x M'?

- Ans
- ☐ A. Son's wife's sister
 - ☐ B. Son's wife
 - ☐ C. Wife's sister
 - ☒ D. Mother's sister

Q.99 Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. Only one box is kept above R. Only two boxes are kept between R and S. Only three boxes are kept between D and S. Only Q is kept below C. B is not kept immediately above S. How many boxes are kept between E and Q?

- Ans
- ☐ A. Three
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Four

Q.100 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 63145729, then how many digits will appear more than once in the new number thus formed?

- Ans
- ☒ A. Three
 - ☐ B. Two
 - ☐ C. One
 - ☐ D. Four



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	09/05/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 ₹10, ₹5 અને ₹2 ના સિક્કાનો ઉપયોગ કરીને ₹120 ની રકમ ચૂકવવામાં આવે છે. જો ₹10 અને ₹2 ના સિક્કાઓની સંખ્યાની પરસ્પર અદલાબદલી કરવામાં આવે તો રકમ ₹304 થશે. જો ₹5 અને ₹2 ના સિક્કાઓની સંખ્યાની પરસ્પર અદલાબદલી કરવામાં આવે તો રકમ ₹165 થશે. તો ₹120 ની ચૂકવવામાં ₹2 ના કેટલા સિક્કાઓનો ઉપયોગ થયો હશે?

- Ans
- ☒ A. 20
 - ☒ B. 10
 - ☒ C. 25
 - ☒ D. 15

Q.2 જો $\cos A = \frac{4}{5}$ હોય, તો $\frac{\sin^2 A - 5 \cos^2 A + \sec^2 A}{\tan^2 A}$ નું મૂલ્ય શોધો.

- Ans
- ☒ A. $-\frac{451}{225}$
 - ☒ B. $-\frac{511}{225}$
 - ☒ C. $\frac{109}{225}$
 - ☒ D. $\frac{23}{225}$

Q.3 એક અપ્રમાણિક દુકાનદાર પોતાના માલને 35% ખોટ પર વેચવાનો દાવો કરે છે, પરંતુ ખોટા વજનના કાંટાનો (ત્રાજવાનો) ઉપયોગ કરીને 85% નફો મેળવે છે. 1 kg માટે તે જે વાસ્તવિક વજન (એક દશાંશ સ્થાન સુધી) નો ઉપયોગ કરે છે તે શોધો.

- Ans
- ☒ A. 349.4 gm
 - ☒ B. 347.2 gm
 - ☒ C. 348.5 gm
 - ☒ D. 351.4 gm

Q.4 કેટલી રકમ (₹માં) પર વાર્ષિક 12% વ્યાજ દરે 2 વર્ષમાં ₹1,440 સાદું વ્યાજ મળશે?

- Ans
- ☒ A. 12,000
 - ☒ B. 345.6
 - ☒ C. 3,000
 - ☒ D. 6,000

Q.5 ત્રણ સંખ્યાઓનો ગુણોત્તર 4 : 3 : 13 છે અને તેમનો લ.સા.અ. 4524 છે, તો તેમનો ગુ.સા.અ. શોધો.

Ans ☒ A. 21

☒ B. 29

☒ C. 45

☒ D. 49

Q.6 એક દુકાનદાર એક વસ્તુ પર તેની પડતર કિંમત કરતાં 40% વધુ કિંમત છાપે છે અને તેના પર 25% ડિસ્કાઉન્ટ આપે છે. તો તેને કેટલા ટકા નફો કે ખોટ થશે?

Ans ☒ A. 15% ખોટ

☒ B. 15% નફો

☒ C. 5% નફો

☒ D. 5% ખોટ

Q.7 એક દુકાનદાર સમાન છાપેલી કિંમતના રમકડાં પર નીચેની સ્કીમ ઓફર કરે છે.

(A) ગમે તેટલી સંખ્યામાં ખરીદવા રમકડાં પર 34% અને 37% ના કમિક ડિસ્કાઉન્ટ.

(B) ગમે તેટલી સંખ્યામાં ખરીદવા રમકડાં પર 36%, 15% અને 14% ના કમિક ડિસ્કાઉન્ટ.

(C) પ્રથમ 6 રમકડાં પર 33% ડિસ્કાઉન્ટ અને ત્યારબાદ દરેક રમકડા પર 9% ડિસ્કાઉન્ટ.

(D) 9 રમકડાંની ખરીદી પર 3 રમકડાં મફત.

એક ગ્રાહક 9 રમકડાં ખરીદવા માંગે છે. ઉપરોક્તમાંથી કઈ સ્કીમ તેમના માટે સૌથી ઓછી ફાયદાકારક છે?

Ans ☒ A. C

☒ B. A

☒ C. B

☒ D. D

Q.8 બે નળ એક ટાંકીને અનુક્રમે 4 કલાક અને 16 કલાકમાં ભરી શકે છે. ત્રીજો નળ તેને 4 કલાકમાં ખાલી કરી શકે છે. જો ત્રણેય નળ એકસાથે ખોલવામાં આવે તો ખાલી ટાંકીનો ચોથો ભાગ ભરવામાં કેટલો સમય (કલાકોમાં) લાગશે?

Ans ☒ A. 16

☒ B. 12

☒ C. 8

☒ D. 4

Q.9 એક દુકાનદાર જેકેટની છાપેલી કિંમત ₹2,000 રાખે છે. તે તેના પર 20% ડિસ્કાઉન્ટ આપે છે, પરંતુ ડિસ્કાઉન્ટ પછીની કિંમત પર 5% GST લગાડે છે. તો ગ્રાહકે જેકેટ માટે અંતે કેટલી કિંમત ચૂકવવી પડશે?

Ans ☒ A. ₹1,596

☒ B. ₹1,680

☒ C. ₹1,880

☒ D. ₹1,700

Q.10 જો પદાવલી $x^3 - 3x^2 - 7x - k$ એ $(x - 5)$ વડે વિભાજ્ય હોય, તો k ની કિંમત શોધો.

Ans ☒ A. -5

☒ B. 15

☒ C. -15

☒ D. 5

Q.11 25 અવલોકનોનો સમાંતર મધ્યક 32.6 છે. જો પ્રથમ 24 અવલોકનોનો સમાંતર મધ્યક 30 હોય, તો 25મું અવલોકન શોધો.

Ans ☒ A. 80

☒ B. 90

☒ C. 95

☒ D. 85

Q.12 0.25 અને 0.15 નું ત્રીજું પ્રમાણપદ શું છે?

Ans ☒ A. 0.02

☒ B. 0.09

☒ C. 0.15

☒ D. 0.04

Q.13 એક નિયમિત અષ્ટકોણીય ક્ષારાની પરિત્રિજ્યા 10 m છે. તો તેની દરેક બાજુની આશરે લંબાઈ શોધો.

Ans ☒ A. 6.13 m

☒ B. 8.71 m

☒ C. 7.65 m

☒ D. 9.27 m

Q.14 સાદું રૂપ આપો: $\left\{ \frac{15}{42} \div \frac{15}{3} \right\} \div \left(\frac{3}{10} \times \frac{20}{9} + \frac{5}{14} \right) + \frac{3}{6} \div \frac{43}{20}$ of $\frac{20}{6}$

Ans ☒ A. $\frac{6}{43}$

☒ B. $\frac{14}{47}$

☒ C. $\frac{4}{37}$

☒ D. $\frac{11}{45}$

Q.15 બે સંખ્યાઓનો ગુ.સા.અ. અને લ.સા.અ. અનુક્રમે 25 અને 500 છે. જો પ્રથમ સંખ્યાને 2 વડે ભાગવામાં આવે, તો ભાગફળ 50 અને શેષ શૂન્ય મળે છે. તો બીજી સંખ્યા શોધો.

Ans ☒ A. 50

☒ B. 125

☒ C. 250

☒ D. 100

Q.16 4, 6 અને 8 નું યોથું પ્રમાણપદ m છે. 8 અને m નું ત્રીજું પ્રમાણપદ n છે. તો, n નું મૂલ્ય શું છે?

Ans ☒ A. 20

☒ B. 18

☒ C. 24

☒ D. 16

Q.17 એક ચોરસની અંદર બીજો ચોરસ એવી રીતે દોરવામાં આવે છે કે અંદરના ચોરસનું દરેક શિરોબિંદુ બહારના ચોરસની બાજુના મધ્યબિંદુ પર આવે. જો અંદરના ચોરસની પરિમિતિ 40 cm હોય, તો બહારના ચોરસની પરિમિતિ શોધો.

Ans ☒ A. $40\sqrt{2}$ cm

☒ B. 40 cm

☒ C. $20\sqrt{2}$ cm

☒ D. $80\sqrt{2}$ cm

Q.18 પાંચ મિત્રોએ રસોઈ સ્પર્ધા (Cooking contest) માં ભાગ લીધો અને 10 માંથી અનુક્રમે 6, 8, 7, 9 અને 5 ગુણ મેળવ્યા. તો તેમના ગુણોનું સમાંતર મધ્યક શું છે?

Ans ☒ A. 6.5

☒ B. 7

☒ C. 8.5

☒ D. 8

Q.19 A એક કામ 9 દિવસમાં પૂરું કરી શકે છે, જ્યારે B અને C પૈકી દરેક તે કામ 18 દિવસમાં પૂરું કરી શકે છે. ત્રણેય સાથે મળીને કામ કરવાનું શરૂ કરે છે અને x દિવસ સુધી કામ કરે છે. ત્યારબાદ A કામ છોડી દે છે, B અને C સાથે મળીને બાકીનું કામ x દિવસમાં પૂરું કરે છે. તો x નું મૂલ્ય શોધો.

- Ans
- ☒ A. 4.5
 - ☒ B. 4
 - ☒ C. 3
 - ☒ D. 3.5

Q.20 ઈંધણના ભાવમાં સતત ત્રણ મહિનામાં અનુક્રમે 55%, 35% અને 45% નો ઘટાડો થાય છે, પરંતુ ચોથા મહિનામાં 40% નો વધારો થાય છે. ચોથા મહિનામાં ઈંધણના ભાવમાં તેની મૂળ કિંમતની તુલનામાં કેટલા ટકાનો ઘટાડો થયો હશે? (જવાબમાં 2 દશાંશ સ્થાન સુધી આવરી લો.)

- Ans
- ☒ A. 81.67%
 - ☒ B. 73.05%
 - ☒ C. 77.48%
 - ☒ D. 76.52%

Q.21 એક બસ 54 km/hr ની એકધારી ઝડપે મુસાફરી કરે છે. તો તે 1 મિનિટમાં કેટલા મીટરનું અંતર કાપી લેશે?

- Ans
- ☒ A. 800 મીટર
 - ☒ B. 900 મીટર
 - ☒ C. 600 મીટર
 - ☒ D. 750 મીટર

Q.22 મૂલ્યાંકન કરો: $22^3 + (-15)^3 + (-7)^3$

- Ans
- ☒ A. 6981
 - ☒ B. 6930
 - ☒ C. 6929
 - ☒ D. 6826

Q.23 ₹2000 નું રોકાણ 2 વર્ષ માટે વાર્ષિક 20% ચક્રવૃદ્ધિ વ્યાજ દરે કરવામાં આવે અને જો તે વાર્ષિક રીતે ચક્રવૃદ્ધિ થાય, તો 2 વર્ષના અંતે કેટલું ચક્રવૃદ્ધિ વ્યાજ મળશે?

- Ans
- ☒ A. ₹1000
 - ☒ B. ₹800
 - ☒ C. ₹900
 - ☒ D. ₹880

Q.24 જો એક નિસરણી દિવાલને જે ઊંચાઈએ સ્પર્શે છે, તે 6 મીટર અને 24 મીટર વચ્ચેની મધ્યમ પ્રમાણપદ (mean proportional) હોય, તો નિસરણી દિવાલને કેટલી ઊંચાઈએ સ્પર્શે છે?

- Ans
- ☒ A. 18 મીટર
 - ☒ B. 16 મીટર
 - ☒ C. 14 મીટર
 - ☒ D. 12 મીટર

Q.25 અમિતની હાલની ઉંમર તેના ભાઈ સુમિતની ઉંમર કરતા બમણી છે. પાંચ વર્ષ પહેલાં, તેમની ઉંમરનો ગુણોત્તર 5:2 હતો. તો સુમિતની હાલની ઉંમર કેટલી હશે?

- Ans
- ☒ A. 8 વર્ષ
 - ☒ B. 15 વર્ષ
 - ☒ C. 10 વર્ષ
 - ☒ D. 20 વર્ષ

Q.26 એક મોટરચાલક એક ચોક્કસ મુસાફરી બે તબક્કામાં કરે છે. પ્રથમ તબક્કામાં, તે કુલ સમયના ત્રીજા ભાગના સમયમાં 30 km/hr ની ઝડપે મુસાફરી કરે છે. બીજા તબક્કામાં, તે બાકીના સમયમાં 60 km/hr ની ઝડપે મુસાફરી કરે છે. તે 75 km/hr ની એકસમાન ઝડપે શરૂઆતના સ્થાને પાછો ફરે છે. તો જવા-આવવાની સમગ્ર મુસાફરી દરમિયાન મોટરચાલકની સરેરાશ ઝડપ શોધો.

- Ans ☒ A. 58 km/hr
☒ B. 55 km/hr
☒ C. 60 km/hr
☒ D. 62 km/hr

Q.27 એક ત્રિકોણનો પાયો 18 cm અને ઊંચાઈ 20 cm છે. તેનાથી બમણું ક્ષેત્રફળ ધરાવતા અને 24 cm પાયો ધરાવતા અન્ય ત્રિકોણની ઊંચાઈ શોધો.

- Ans ☒ A. 22 cm
☒ B. 20 cm
☒ C. 30 cm
☒ D. 24 cm

Q.28 એક શર્ટની કિંમત ₹200 થી ઘટીને ₹180 થાય છે, તો કેટલા ટકા ઘટાડો થાય છે?

- Ans ☒ A. 10%
☒ B. 20%
☒ C. 5%
☒ D. 15%

Q.29 $\frac{11}{16}$ અને 0.4375 નો સરવાળો કરો. દશાંશ સ્વરૂપમાં આ સરવાળો કેટલો થશે?

- Ans ☒ A. 0.958
☒ B. 0.975
☒ C. 1.125
☒ D. 1.208

Q.30 $30 + [(-9 \times (26 - 13 + 5))]$ નું સાદું રૂપ આપો.

- Ans ☒ A. -133
☒ B. -132
☒ C. -134
☒ D. -135

Section : General Awareness

Q.31 ચોલ શાસન દરમિયાન તમિલ ભક્તિ સ્તોત્રોની લોકપ્રિયતા પાછળનું એક મહત્વનું કારણ શું હતું?

- Ans ☒ A. વૈદિક પ્રથાઓ સામે તેમનો વિરોધ
☒ B. તેમનો મંદિરની વિધિઓનો અસ્વીકાર
☒ C. વેલ્લાલા ખેડૂતો અને શાસકો તરફથી તેમને મળેલું સમર્થન
☒ D. સ્થાનિક આદિવાસી દેવી-દેવતાઓની પૂજા પર તેમનો ભાર

Q.32 જીવંત સજીવોમાં કોષરસસ્તર (cell membrane)ની રચનામાં લિપિડ્સ શા માટે મહત્વના છે?

- Ans ☒ A. તેઓ પ્રોટીન સંશ્લેષણ માટેની સૂચનાઓ પૂરી પાડે છે.
☒ B. તેઓ એક એવો અવરોધ બનાવે છે જે કોષમાં શું પ્રવેશે છે અને શું બહાર નીકળે છે તેનું નિયંત્રણ રાખે છે.
☒ C. તેઓ જૈવરાસાયણિક પ્રક્રિયાઓમાં ઉદ્દીપક તરીકે કાર્ય કરે છે.
☒ D. તેઓ જનીનિક માહિતીનો સંગ્રહ કરે છે.

Q.33 નીચેનામાંથી કયા બૌદ્ધ ગ્રંથમાં મઠમાં ભિક્ષુઓ માટેના નિયમો (આચારસંહિતા)નું વર્ણન કરવામાં આવ્યું છે?

- Ans
- ☒ A. અંગુત્તર નિકાય (Anguttara Nikaya)
 - ☒ B. સુત્ત પિટક (Sutta Pitaka)
 - ☒ C. અભિધમ્મ પિટક (Abhidhamma Pitaka)
 - ☒ D. વિનય પિટક (Vinaya Pitaka)

Q.34 Windows ઓપરેટિંગ સિસ્ટમના આર્કિટેક્ચરમાં, કયો મહત્વપૂર્ણ ઘટક એપ્લિકેશન પ્રોગ્રામ્સ અને મુખ્ય હાર્ડવેર વચ્ચે સેતુ તરીકે કામ કરે છે, જે પ્રોટેક્ટ મોડમાં રહીને પ્રોસેસ શિફ્ટિંગ, મેમરી ફાળવણી અને ઈન્ટરપ્ટ હેન્ડલિંગનું સંચાલન કરે છે?

- Ans
- ☒ A. Windows શેલ (એક્સપ્લોરર), જે ડેસ્કટોપ, ટાસ્કબાર અને ફાઇલ સિસ્ટમ યુઝર ઇન્ટરફેસનું સંચાલન કરે છે.
 - ☒ B. હાર્ડવેર એબ્સ્ટ્રેક્શન લેયર (એચ. એ. એલ.), જે કર્નલને પ્લેટફોર્મ-વિશિષ્ટ હાર્ડવેરની વિવિધતાથી અલગ પાડે છે.
 - ☒ C. Win32 સબસિસ્ટમ, જે 32-bit એપ્લિકેશનો માટેની સૂચનાઓનું ભાષાંતર કરે છે અને ડિસ્કે આઉટપુટનું સંચાલન કરે છે.
 - ☒ D. Kernel, જેમાં એકિઝ્યુટિવ સેવાઓ, પ્રોસેસ મેનેજર અને સુરક્ષા સંદર્ભ મોનિટરનો સમાવેશ થાય છે.

Q.35 ભારતીય બંધારણના કયા અનુચ્છેદ હેઠળ દર પાંચ વર્ષે નાણાં પંચની સ્થાપના કરવાની બંધારણીય જોગવાઈ કરવામાં આવી છે?

- Ans
- ☒ A. અનુચ્છેદ 280
 - ☒ B. અનુચ્છેદ 291
 - ☒ C. અનુચ્છેદ 270
 - ☒ D. અનુચ્છેદ 299

Q.36 અર્ધ-શુદ્ધ ઉત્તર-પશ્ચિમ ભારતમાં, સઘન નહેર સિંચાઈને કારણે જમીનની ક્ષારતામાં વધારો અને પાકની ઉપજમાં ઘટાડો થયો છે. આને શ્રેષ્ઠ રીતે કયું સમજાવે છે અને તેમાં કયા સુધારાની જરૂર છે?

- Ans
- ☒ A. અતિશય સિંચાઈ નીચે રહેલા પોષક તત્ત્વોને ધોઈ નાખે છે; પ્રાથમિકતા રાસાયણિક ખાતરોનો વપરાશ વધારવાની છે.
 - ☒ B. લાંબા સમય સુધી સિંચાઈ જળભરાવાનું કારણ બને છે; પ્રાથમિકતા દુષ્કાળ-પ્રતિકારક પાકની જાતો તરફ વળવાની છે.
 - ☒ C. નહેરનું ઠંડું પાણી પાકો પર શારીરિક તાણ પેદા કરે છે; પ્રાથમિકતા સિંચાઈના પાણીના તાપમાનને નિયંત્રિત કરવાની છે.
 - ☒ D. ભૂગર્ભ જળસ્તર ઊંચું આવવાથી ક્ષાર વધે છે; પ્રાથમિકતા ડ્રેનેજની સુધારણા અને ક્ષારના નિકાલનની છે.

Q.37 રાસાયણિક ઊર્જાનું વિદ્યુત ઊર્જામાં અને ત્યારબાદ પ્રકાશ અને ઉષ્મીય ઊર્જામાં રૂપાંતર નીચેનામાંથી કયા કિસ્સામાં થાય છે?

- Ans
- ☒ A. જ્યારે પાણી ઉકાળવામાં આવે ત્યારે
 - ☒ B. જ્યારે ફ્લેશલાઇટ ચાલુ કરવામાં આવે ત્યારે
 - ☒ C. જ્યારે મીણબત્તી બળે ત્યારે
 - ☒ D. જ્યારે પંખો ફરે ત્યારે

Q.38 પુંછી કમિશન (2007) મુખ્યત્વે ભારતીય બંધારણની કઈ જોગવાઈના મૂલ્યાંકન અને ભલામણો માટે રચવામાં આવ્યું હતું?

- Ans
- ☒ A. કેન્દ્ર-રાજ્ય સંબંધો
 - ☒ B. ભારતમાં ચૂંટણી સુધારા
 - ☒ C. રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતો
 - ☒ D. મૂળભૂત અધિકારો

Q.39 ભારતીય બંધારણના કયા અનુચ્છેદ હેઠળ ગ્રામ પંચાયતોની રચનાની જોગવાઈ કરવામાં આવી છે?

- Ans
- ☒ A. અનુચ્છેદ 40
 - ☒ B. અનુચ્છેદ 37
 - ☒ C. અનુચ્છેદ 13
 - ☒ D. અનુચ્છેદ 50

Q.40 નીચેની કઈ સમિતિએ ભારતમાં કર સુધારાઓ (tax reforms) પર ધ્યાન કેન્દ્રિત કર્યું છે?

Ans ☒ A. મલ્હોત્રા સમિતિ

☒ B. વિજય એલ કેલકર સમિતિ

☒ C. નરસિંહમ સમિતિ

☒ D. રંગરાજન સમિતિ

Q.41 ભારતીય રાષ્ટ્રવાદમાં ઉગ્રવાદી લીડરોએ કયો મૂળભૂત ફેરફાર દાખલ કર્યો?

Ans ☒ A. પશ્ચિમી શિક્ષણનો પ્રચાર

☒ B. આમૂલ માધ્યમો (Radical methods) દ્વારા 'સ્વરાજ'નું આર્ટિક્યુલેશન

☒ C. ક્રમિક બંધારણીય સુધારાઓ (Gradual constitutional reforms) પર ભાર

☒ D. સહકારી રાજકીય ડાયલોગ માટે સમર્થન

Q.42 નીચેનામાંથી કયું સિસ્ટમ સોફ્ટવેરનું મુખ્ય કાર્ય છે?

Ans ☒ A. કમ્પ્યુટર હાર્ડવેરનું સંચાલન કરવું અને એપ્લિકેશનો ચલાવવી

☒ B. ઇમેજને સંપાદિત કરવી

☒ C. દસ્તાવેજો બનાવવા

☒ D. ઇન્ટરનેટ બ્રાઉઝ કરવું

Q.43 નીચેનામાંથી કયા કુદરતી પ્રદેશમાં લાંબા મૂળ, થોડા કે કોઈ પાંદડા વિનાની અને મીણયુક્ત અથવા સોય આકારના પાંદડા ધરાવતી ઝેરોફાઈટીક (xerophytic) અથવા દુષ્કાળ સામે ટકી રહેતી કાંટાળી વનસ્પતિનું પ્રભુત્વ જોવા મળે છે?

Ans ☒ A. ભૂમધ્ય જંગલો (Mediterranean woodland)

☒ B. બ્રિટિશ પ્રકારનો ઠંડો સમશીતોષ્ણ પ્રદેશ

☒ C. ગરમ રણ (સહારા પ્રકાર) પ્રદેશ

☒ D. અર્ધ-શુષ્ક ઘાસના મેદાનો (Steppe grasslands)

Q.44 કયા આદિવાસી આંદોલનની તીવ્રતાને કારણે બ્રિટિશરોને દૂરના પ્રદેશોમાંથી સૈનિકો તૈનાત કરવાની જરૂર પડી?

Ans ☒ A. છૂટાછવાયા (Sporadic) સ્થાનિક વિરોધ પ્રદર્શનો તરીકે ઓળખાતો ખાનદેશમાં ભીલ બળવો

☒ B. માત્ર દરિયાકાંઠાના માછીમારી ગામો સુધી મર્યાદિત મેપિલા બળવો

☒ C. બ્રિટિશ સત્તાને પડકાર આપતું સિંઘભૂમમાં કોલ બળવો

☒ D. મર્યાદિત લશ્કરી પ્રતિક્રિયા (Military response) સાથે સમાપ્ત થયેલ સંથાલ બળવો

Q.45 મુખ્ય બૌદ્ધ ગ્રંથોમાંનો એક, વિનય પિટક મુખ્યત્વે નીચેનામાંથી શેના પર ધ્યાન કેન્દ્રિત કરે છે?

Ans ☒ A. સાધુઓ અને સાધ્વીઓ માટેના નિયમો

☒ B. ધ્યાન પદ્ધતિઓ અને તત્ત્વજ્ઞાન

☒ C. બ્રહ્માંડવિજ્ઞાન અને જ્યોતિષીય પ્રણાલીઓ

☒ D. બુદ્ધના પૂર્વ જન્મની વાર્તાઓ

Q.46 "ધ ગ્રેટ કોન્સિલિએટર: લાલ બહાદુર શાસ્ત્રી એન્ડ ધ ટ્રાન્સફોર્મેશન ઓફ ઇન્ડિયા" પુસ્તક, જેનું એપ્રિલ 2025માં વિમોચન કરવામાં આવ્યું હતું, તેના લેખક કોણ છે?

Ans ☒ A. સંજીવ ચોપડા

☒ B. અરુણ સિંઘલ અને દેવેન્દ્ર કુમાર શર્મા

☒ C. પી.એસ. રમણ

☒ D. રોઝી થોમસ

Q.47 કમ્પ્યુટર એપ્લિકેશનની કઈ કેટેગરી કાર, મકાનો અને મશીનરી જેવી જટિલ ભૌતિક વસ્તુઓના નિર્માણ પહેલાં તેની ડિઝાઇન તૈયાર કરવા માટે સૌથી મહત્વની છે?

- Ans
- ☒ A. સિમ્યુલેશન સોફ્ટવેર (Simulation Software)
 - ☒ B. કોમ્પ્યુટર-એઇડેડ ડિઝાઇન (સીએડી) (Computer-Aided Design) (CAD)
 - ☒ C. ડેટા મેનેજમેન્ટ સિસ્ટમ્સ (Data Management Systems)
 - ☒ D. પ્રેઝન્ટેશન સોફ્ટવેર (Presentation Software)

Q.48 કમ્પ્યુટરની એક્ટિવ એપ્લિકેશન્સ બંધ કરવા માટે કઈ કીનું સંયોજન વપરાય છે?

- Ans
- ☒ A. Alt કી + F1 ફંક્શન કી
 - ☒ B. Alt કી + F8 ફંક્શન કી
 - ☒ C. Alt કી + F4 ફંક્શન કી
 - ☒ D. Alt કી + F6 ફંક્શન કી

Q.49 12મી સદીના સંત અને વચન આંદોલનના પ્રણેતા બસવન્નાએ કઈ ભાષાના ભક્તિ સાહિત્યમાં મહત્વનું યોગદાન આપ્યું હતું?

- Ans
- ☒ A. હિન્દી
 - ☒ B. ઉડિયા
 - ☒ C. મરાઠી
 - ☒ D. કન્નડ

Q.50 માર્ચ 2025 માં, લેનોવોએ ભારતનું સૌથી મોટું AI સુપર કોમ્પ્યુટર બનાવવા માટે કઈ ભારતીય AI ફર્મ સાથે ભાગીદારીની જાહેરાત કરી?

- Ans
- ☒ A. કુન્નિમ
 - ☒ B. L&T સેમિકન્ડક્ટર
 - ☒ C. QpiAI
 - ☒ D. AI4Bharat

Q.51 ડિસેમ્બર 2025માં, ઓરિએન્ટ ટેકનોલોજીસ (Orient Technologies)એ સમગ્ર ભારતમાં અદ્યતન AI-સંચાલિત SIEM ક્ષમતાઓ પૂરી પાડવા માટે કઈ કંપની સાથે વ્યૂહાત્મક ભાગીદારીની જાહેરાત કરી છે?

- Ans
- ☒ A. Digi Yatra (ડિજી યાત્રા)
 - ☒ B. Sophos Limited (સોફોસ લિમિટેડ)
 - ☒ C. ServiceNow (સર્વિસનાઉ)
 - ☒ D. Securonix (સેક્યુરોનિક્સ)

Q.52 ભારતમાં જાહેર મુદ્દાઓ અને રાષ્ટ્રીય નીતિ પર ચર્ચા અને વિચારવિમર્શ કરવા માટેનું સર્વોચ્ચ મંચ કયું છે?

- Ans
- ☒ A. રાષ્ટ્રપતિનું કાર્યાલય
 - ☒ B. સુપ્રીમ કોર્ટ
 - ☒ C. ચૂંટણી પંચ
 - ☒ D. સંસદ

Q.53 ભારતમાં, નીચેનામાંથી કઈ સંસ્થા નાણાં પુરવઠાને અસરકારક રીતે સંચાલિત કરવા માટે ઓપન માર્કેટ ઓપરેશન્સ (OMOs) ચલાવે છે?

- Ans
- ☒ A. દરેક રાજ્યની માલિકીની સરકારી બેંક
 - ☒ B. નેશનલ બેંક ફોર એગ્રિકલ્ચર એન્ડ રૂરલ ડેવલપમેન્ટ (NABARD)
 - ☒ C. સિક્યોરિટીઝ એન્ડ એક્સચેન્જ બોર્ડ ઓફ ઇન્ડિયા (SEBI)
 - ☒ D. ભારતીય રિઝર્વ બેંક (RBI)

Q.54 નીચેનામાંથી કયા પ્રકારના જંગલોમાં સ્પ્રુસ (spruce), ફિર (fir) અને પાઈન (pine) જેવા વૃક્ષોની સાથે લિંક્સ (lynx) અને મૂઝ (moose) જેવા પ્રાણીઓ મળી આવવાની સૌથી વધુ શક્યતા છે?

- Ans
- ☐ A. આલ્પાઇન ટ્રેડ્સ
 - ☐ B. સમશીતોષ્ણ પાનખર જંગલો
 - ☐ C. ઉષ્ણકટિબંધીય વર્ષાવનો
 - ☒ D. શંકુદ્રુમ જંગલો

Q.55 નીચેનામાંથી કયા દેશે અને ભારત સાથે ઓક્ટોબર 2024 માં તેમના હાલના કરતારપુર કોરિડોર કરારને રીન્યૂ કર્યો હતો?

- Ans
- ☐ A. બાંગ્લાદેશ
 - ☐ B. નેપાળ
 - ☐ C. ચીન
 - ☒ D. પાકિસ્તાન

Q.56 ઋગ્વેદમાં આર્ય વર્ણ અને દાસ વર્ણ શબ્દોનો ઉલ્લેખ છે. પ્રારંભિક વૈદિક સંદર્ભમાં, આ શબ્દો શું સૂચવે છે?

- Ans
- ☐ A. વેપાર વિશેષતા પર આધારિત વ્યાવસાયિક મહાજન મંડળો
 - ☐ B. યુસ્તપણે જન્મ પર આધારિત ચતુર્વર્ણ અધિક્રમ.
 - ☒ C. વૈદિક લોકો અને બિન-વૈદિક જૂથો વચ્ચેનો ભેદ.
 - ☐ D. આદિવાસી વહીવટમાં રાજકીય હોદ્દાઓ.

Q.57 જાહેર હિતની અરજી (Public Interest Litigation) એ કયા સિદ્ધાંતનું ઉદાહરણ છે?

- Ans
- ☐ A. કારોબારી કાર્યવાહી (Executive Action)
 - ☐ B. ન્યાયિક તટસ્થતા (Judicial Neutrality)
 - ☐ C. ન્યાયિક સમીક્ષા
 - ☒ D. ન્યાયિક સક્રિયતા

Q.58 રાજકોષીય શાલીનતા (fiscal prudence)ને પ્રોત્સાહન આપવા માટે ભારતીય સંસદે કયા વર્ષમાં 'રાજકોષીય જવાબદારી અને બજેટ વ્યવસ્થાપન' (FRBM) અધિનિયમ પસાર કર્યો હતો?

- Ans
- ☐ A. 1991
 - ☐ B. 1998
 - ☒ C. 2003
 - ☐ D. 2005

Q.59 ભારતીય બંધારણની નીચેનામાંથી કઈ જોગવાઈ હેઠળ મૂળભૂત અધિકારોમાં "કાયદા સમક્ષ સમાનતા" (Equality before law) અને "કાયદાઓનું સમાન રક્ષણ" (equal protection of the laws) આપવામાં આવ્યું છે?

- Ans
- ☐ A. અનુચ્છેદ 16
 - ☒ B. અનુચ્છેદ 14
 - ☐ C. અનુચ્છેદ 13
 - ☐ D. અનુચ્છેદ 15

Q.60 1905 માં બંગાળમાં સ્વદેશી અને બહિષ્કાર આંદોલનની ઔપચારિક જાહેરાત કયા સ્થળે આયોજિત એક બેઠકમાં કરવામાં આવી હતી?

- Ans
- ☐ A. નાગપુર કોંગ્રેસ
 - ☐ B. બનારસ કોંગ્રેસ
 - ☒ C. કલકત્તા ટાઉન હોલ
 - ☐ D. ઢાકા ટાઉન સ્ક્વેર

Q.61 કયો ખંડ અત્યંત ઠંડો અને મોટાભાગે બરફથી ઢંકાયેલો હોવા માટે જાણીતો છે?

- Ans
- ☒ A. આફ્રિકા
 - ☒ B. દક્ષિણ અમેરિકા
 - ☒ C. ઉત્તર અમેરિકા
 - ☒ D. એન્ટાર્કટિકા

Q.62 ધી એનર્જી એન્ડ રિસોર્સીસ ઇન્સ્ટિટ્યૂટ (TERI) દ્વારા આયોજિત 24મી વર્લ્ડ સસ્ટેનેબલ ડેવલપમેન્ટ સમિટ (WSDS 2025) ની થીમ શું છે?

- Ans
- ☒ A. "ગ્રીન ટેકનોલોજી ફોર ફ્યુચર ઇકોનોમીઝ"
 - ☒ B. "પાર્ટનરશિપ્સ ફોર એક્સિલરેટિંગ સસ્ટેનેબલ ડેવલપમેન્ટ એન્ડ ક્લાઇમેટ સોલ્યુશન્સ"
 - ☒ C. "ઇનોવેશન્સ ફોર કાર્બન ન્યુટ્રાલિટી"
 - ☒ D. "બાયોડાયવર્સિટી કન્ઝર્વેશન એન્ડ ક્લાઇમેટ રિઝિલિયન્સ"

Q.63 2011ની વસ્તી ગણતરીમાં કયા ભારતીય રાજ્યમાં સૌથી ઓછો બાળ લિંગ ગુણોત્તર (0-6 વર્ષ) નોંધાયો હતો?

- Ans
- ☒ A. ચંડીગઢ
 - ☒ B. જમ્મુ & કાશ્મીર
 - ☒ C. પંજાબ
 - ☒ D. હરિયાણા

Q.64 COP30 ના નિવેદનમાં, જુલાઈ 2025 સુધીમાં ભારત કયા લક્ષ્યાંકને હાંસલ કરવાનો દાવો કરે છે?

- Ans
- ☒ A. શૂન્ય કોલસા આધારિત વીજ મથકો
 - ☒ B. બિન-અશ્મિભૂત સ્ત્રોતોમાંથી 25% વીજળી
 - ☒ C. 2030 સુધીમાં 100% પુનઃપ્રાપ્ય ઊર્જા
 - ☒ D. બિન-અશ્મિભૂત સ્ત્રોતોમાંથી 50% સ્થાપિત વીજ ઉત્પાદન ક્ષમતા

Q.65 નવેમ્બર 2025 માં કયા ભારતીય ખેલાડીએ 352 છગ્ગા સાથે ODI ક્રિકેટમાં સૌથી વધુ છગ્ગા ફટકારવાનો નવો વર્લ્ડ રેકોર્ડ બનાવ્યો?

- Ans
- ☒ A. શુભમન ગિલ
 - ☒ B. વિરાટ કોહલી
 - ☒ C. રોહિત શર્મા
 - ☒ D. સૂર્યકુમાર યાદવ

Q.66 જ્યારે વિદ્યુતભારના પરિમાણોની વિચારણા કરવામાં આવે, ત્યારે ડા મૂળભૂત રાશિઓના સંદર્ભમાં તેને દર્શાવવા માટે કયા મૂળભૂત એકમોનું સંયોજન કરવું આવશ્યક છે?

- Ans
- ☒ A. વિદ્યુતપ્રવાહ અને લંબાઈ
 - ☒ B. દળ અને વિદ્યુતપ્રવાહ
 - ☒ C. વિદ્યુતપ્રવાહ અને સમય
 - ☒ D. લંબાઈ અને સમય

Q.67 કયા મુઘલ બાદશાહે મનસબદારી પ્રથા (Mansabdari system) અને કેન્દ્રીયકૃત અમલદારશાહી (centralized bureaucracy) દાખલ કરીને શાહી સત્તાને મજબૂત કરી હતી?

- Ans
- ☒ A. મુહમ્મદ શાહ
 - ☒ B. હુમાયુ
 - ☒ C. શાહજહાં
 - ☒ D. અકબર

Q.68 વસ્તી ગણતરી 2011 (Census 2011) ના ડેટા મુજબ ભારતનો સાક્ષરતા દર કેટલો હતો?

- Ans
- ☒ A. 64.83%
 - ☒ B. 79.40%
 - ☒ C. 70.00%
 - ☒ D. 74.04%

Q.69 દ્વિદળી (Dicotyledonous) વનસ્પતિઓમાં, કયા પ્રકારના મૂળમાં મુખ્ય પ્રાથમિક મૂળ હોય છે, જેમાંથી પાર્શ્વ શાખાઓ (lateral branches) ઉદ્ભવે છે?

- Ans
- ☒ A. સોટીમય મૂળતંત્ર
 - ☒ B. તંતુમય મૂળતંત્ર
 - ☒ C. સ્તંભ મૂળતંત્ર
 - ☒ D. અસ્થાનિક મૂળતંત્ર

Q.70 વિશ્વ રક્તપિત્ત દિવસ (World Leprosy Day) 2025 ની થીમ શું હતી?

- Ans
- ☒ A. "ગૌરવ માટે એક થાઓ"
 - ☒ B. "અત્યારે જ કાર્ય કરો. રક્તપિત્તનો અંત લાવો."
 - ☒ C. "એક બનો. કાર્ય કરો. નાબૂદ કરો."
 - ☒ D. "રક્તપિત્તને હરાવો."

Section : General Intelligence and Reasoning

Q.71 આપેલા વિધાનો અને તારણોને ધ્યાનથી વાંચો. ધારી લો કે વિધાનોમાં આપેલી માહિતી સાચી છે, ભલે તે સામાન્ય રીતે જાણીતા તથ્યોથી અલગ હોય. નક્કી કરો કે આપેલામાંથી કયું/કયા તારણ વિધાનોને તાર્કિક રીતે અનુસરે છે.

વિધાનો:

તમામ શાકેટ, હેટ છે.
કેટલાક શાકેટ, કેપ છે.

તારણો:

(I) કેટલીક હેટ, કેપ છે.
(II) તમામ કેપ, શાકેટ છે.

- Ans
- ☒ A. માત્ર તારણ (I) અનુસરે છે
 - ☒ B. ન તો તારણ (I) કે ન તો તારણ (II) અનુસરે છે
 - ☒ C. માત્ર તારણ (II) અનુસરે છે
 - ☒ D. તારણ (I) અને તારણ (II) બંને અનુસરે છે

Q.72 અંગ્રેજી મૂળાક્ષરોના ક્રમના આધારે આપેલી શ્રેણીમાં પ્રશ્નચિહ્ન (?) ના સ્થાને શું આવવું જોઈએ?

YKQ QCI IUA AMS ?

- Ans
- ☒ A. SEK
 - ☒ B. PEG
 - ☒ C. KFY
 - ☒ D. RAD

Q.73 G એ Y ના પિતા છે. Y એ J નો પુત્ર છે. M એ W નો ભાઈ છે. W એ J નો પુત્ર છે. તો G નો W સાથે શું સંબંધ છે?

- Ans
- ☒ A. ભાઈ
 - ☒ B. પિતા
 - ☒ C. પતિ
 - ☒ D. પુત્ર

Q.74 નીચેની ત્રિપુટીમાં, દરેક અક્ષર સમૂહ એક ચોક્કસ તર્કને અનુસરતા અનુગામી (અક્ષર સમૂહ) સાથે સંબંધિત છે. તો આપેલા વિકલ્પોમાંથી તે વિકલ્પ પસંદ કરો જે સમાન તર્કને અનુસરે છે.
DENY - DYNE - YNED
HUGE - HEGU - EGUH

- Ans ☒ A. LOST - LTSO - TSOL
☒ B. GROW - GRWO - ROWG
☒ C. TURN - TRUN - NRUT
☒ D. CLOT - LCOT - TLOC

Q.75 અંગ્રેજી મૂળાક્ષરોના ક્રમ પર આધારિત આપેલી શ્રેણીમાં પ્રશ્નચિહ્ન (?) ના સ્થાને શું આવવું જોઈએ?
MNO PQR STU VWX ?

- Ans ☒ A. YZA
☒ B. YZB
☒ C. YYZ
☒ D. YAZ

Q.76 સાત બોક્સ, A, B, C, D, E, F અને G, એકબીજાની ઉપર રાખવામાં આવ્યા છે, પરંતુ જરૂરી નથી કે તે આ જ ક્રમમાં હોય. Cની ઉપર ફક્ત એક જ બોક્સ રાખવામાં આવ્યું છે. A સૌથી ઉપરનું બોક્સ નથી. Dની નીચે ફક્ત બે બોક્સ રાખવામાં આવ્યા છે. G એ Dની નીચે છે પરંતુ Fની ઉપર છે. Eને Aની નીચે રાખવામાં આવ્યો છે. A અને E વચ્ચે કેટલા બોક્સ રાખવામાં આવ્યા છે?

- Ans ☒ A. ત્રણ
☒ B. એક પણ નહીં
☒ C. એક
☒ D. બે

Q.77 વિકલ્પોમાંથી તે સમૂહ પસંદ કરો જેમાં સંખ્યાઓ તે જ રીતે સંબંધિત હોય, જે રીતે નીચે આપેલા સમૂહોની સંખ્યાઓ સંબંધિત છે.

(નોંધ: સંખ્યાઓને તેમના ઘટક અંકોમાં અલગ કર્યા વિના, પૂર્ણ સંખ્યાઓ પર ક્રિયાઓ કરવાની રહેશે. દા.ત. 13 લી. 13 આ સંખ્યા પરની ક્રિયાઓ જેવી કે 13માં સરવાળો/ બાદબાકી/ ગુણાકાર વગેરે પૂર્ણ 13 પર કરી શકાય છે. 13 ને 1 અને 3 માં જુદી પાડીને ત્યારબાદ 1 અને 3 પર ગાણિતિક ક્રિયાઓ કરવાની છૂટ નથી.)

(12, 36, 3)
(15, 75, 5)

- Ans ☒ A. (7, 72, 12)
☒ B. (8, 56, 9)
☒ C. (13, 188, 6)
☒ D. (14, 56, 4)

Q.78 અંગ્રેજી મૂળાક્ષરોના ક્રમના આધારે, નીચે આપેલા ચાર અક્ષર-સમૂહમાંથી ત્રણ અમુક ચોક્કસ રીતે સમાન છે અને તેથી એક જૂથ બનાવે છે. કયો અક્ષર-સમૂહ તે જૂથ સાથે સંબંધિત નથી?
(નોંધ: અલગ પડતો અક્ષર-સમૂહ વ્યંજનો/સ્વરોની સંખ્યા અથવા અક્ષર સમૂહમાં તેમની સ્થિતિ/સ્થાન પર આધારિત નથી.)

- Ans ☒ A. EWO
☒ B. MEO
☒ C. ASK
☒ D. XPH

Q.79 KNIFERS શબ્દના દરેક અક્ષરને અંગ્રેજી મૂળાક્ષરોના ક્રમમાં ગોઠવવામાં આવે છે. આ રીતે બનેલા નવા અક્ષર સમૂહમાં અંગ્રેજી મૂળાક્ષરોના ક્રમ મુજબ, ડાબી બાજુથી ત્રીજા સ્થાને આવેલા અક્ષર અને જમણી બાજુથી ત્રીજા સ્થાને આવેલા અક્ષર વચ્ચે કુલ કેટલા અક્ષરો આવે છે?

- Ans ☒ A. 7
☒ B. 5
☒ C. 3
☒ D. 4

Q.80 અંગ્રેજી મૂળાક્ષરોના ક્રમના આધારે, નીચે આપેલા ચાર અક્ષર-સમૂહમાંથી ત્રણ અમુક ચોક્કસ રીતે સમાન છે અને તેથી એક જૂથ બનાવે છે. કયો અક્ષર-સમૂહ તે જૂથ સાથે સંબંધિત નથી?
(નોંધ: અલગ પડતો અક્ષર-સમૂહ વ્યંજનો/સ્વરોની સંખ્યા અથવા અક્ષર સમૂહમાં તેમની સ્થિતિ/સ્થાન પર આધારિત નથી)

- Ans ☒ A. KHN
☒ B. NKP
☒ C. VSX
☒ D. ROT

Q.81 WONDERLANDS શબ્દના દરેક સ્વરને અંગ્રેજી મૂળાક્ષરોના ક્રમમાં તેના તરત પછીના અક્ષરમાં બદલવામાં આવે છે અને દરેક વ્યંજનને અંગ્રેજી મૂળાક્ષરોના ક્રમમાં તેની તરત પહેલાના અક્ષરમાં બદલવામાં આવે છે. આ રીતે બનેલા નવા અક્ષર સમૂહમાં નીચેનામાંથી કયો અક્ષર બરાબર બે વાર આવશે?

- Ans ☒ A. F
☒ B. M
☒ C. Q
☒ D. R

Q.82 આપેલા વિધાનો અને તારણોને કાળજીપૂર્વક વાંચો. ધારો કે વિધાનોમાં આપેલી માહિતી સાચી છે, ભલે તે સામાન્ય રીતે જાણીતા તથ્યોથી અલગ હોય, તો નક્કી કરો કે આપેલા તારણોમાંથી કયું તારણ/કયા તારણો વિધાનોને તાર્કિક રીતે અનુસરે છે.

વિધાનો:
બધા મણકાં ખુરશીઓ છે.
બધા મણકાં સાધુઓ છે.

તારણો:
(I) કેટલીક ખુરશીઓ સાધુઓ છે.
(II) બધા સાધુઓ મણકાં છે.

- Ans ☒ A. માત્ર તારણ (II) અનુસરે છે.
☒ B. ન તો તારણ (I) કે ન તો તારણ (II) અનુસરે છે.
☒ C. માત્ર તારણ (I) અનુસરે છે.
☒ D. (I) અને (II) બંને તારણો અનુસરે છે.

Q.83 એક ચોક્કસ તર્કને અનુસરીને, KR 19 એ NM 6 સાથે સંબંધિત છે. તે જ તર્કને અનુસરીને, MV 11 એ PQ -2 સાથે સંબંધિત છે. સમાન તર્કને અનુસરીને, CS 7 એ નીચેનામાંથી કોની સાથે સંબંધિત છે?

- Ans ☒ A. FN -6
☒ B. KL 7
☒ C. GH 7
☒ D. HJ -9

Q.84 એક ચોક્કસ કોડ ભાષામાં, "ZCKU" ને "94" તરીકે કોડ કરવામાં આવે છે અને "SAPI" ને "126" તરીકે કોડ કરવામાં આવે છે. તો આ કોડ ભાષામાં "GXRБ" માટેનો કોડ શું છે?

- Ans ☒ A. 127
☒ B. 120
☒ C. 114
☒ D. 119

Q.85 સાત લોકો F, G, H, L, M, O અને Q ઉત્તર તરફ મુખ કરીને એક હરોળમાં બેઠા છે. Q ની જમણી બાજુએ કોઈ બેઠું નથી. O એ Q ની તરત જ ડાબી બાજુએ બેઠો છે. Q અને H વચ્ચે ફક્ત ત્રણ લોકો બેઠા છે. F એ L ની ડાબી બાજુએ ત્રીજા સ્થાને બેઠો છે. G એ L ની તરત જ જમણી બાજુએ બેઠો છે. તો M અને O ની વચ્ચે કેટલા લોકો બેઠા છે?

- Ans ☒ A. બે
☒ B. એક
☒ C. ત્રણ
☒ D. ચાર

Q.86 નીચેની ત્રિપુટીમાં, દરેક અક્ષર સમૂહ એક ચોક્કસ તર્કને અનુસરીને અનુગામી અક્ષર સમૂહ સાથે સંબંધિત છે. આપેલા વિકલ્પોમાંથી, તે વિકલ્પ પસંદ કરો જે સમાન તર્કને અનુસરે છે.
LIES - ILSE - LSIE
FROG - RFGO - FGRO

- Ans ☒ A. PALE - ALEP - LEPA
☒ B. SCAM - MSCA - AMSC
☒ C. LUCK - UCLK - CLUK
☒ D. CUPS - UCSP - CSUP

Q.87 એક ચોક્કસ કોડ ભાષામાં,
 $A \times B$ નો અર્થ થાય છે કે 'A એ B ના પિતા છે',
 $A \neq B$ નો અર્થ થાય છે કે 'A એ B નો પુત્ર છે',
 $A \div B$ નો અર્થ થાય છે કે 'A એ B ની પુત્રી છે' અને
 $A \text{ ₹ } B$ નો અર્થ થાય છે કે 'A એ B ની બહેન છે'

ઉપરોક્તના આધારે, જો ' $C \div D \text{ ₹ } E \neq L \times M$ ' હોય તો C નો M સાથે શું સંબંધ છે?

- Ans ☒ A. માતાની માતા
☒ B. બહેન
☒ C. બહેનની પુત્રી
☒ D. પુત્રી

Q.88 દિનેશ બિંદુ A થી શરૂ કરીને પશ્ચિમ તરફ 20 km ડ્રાઈવ કરે છે. ત્યારબાદ તે ડાબો વળાંક લે છે અને 18 km ડ્રાઈવ કરે છે, ડાબો વળાંક લઈને 21 km ડ્રાઈવ કરે છે. ત્યારબાદ તે ડાબો વળાંક લે છે અને 28 km ડ્રાઈવ કરે છે, અંતે તે ડાબો વળાંક લઈને 1 km ડ્રાઈવ કરે છે અને બિંદુ P પર અટકે છે. તો બિંદુ A પર ફરી પાછા પહોંચવા માટે તેણે કેટલું દૂર (સૌથી ટૂંકું અંતર) અને કઈ દિશામાં ડ્રાઈવ કરવું પડશે? (બધા વળાંક ફક્ત 90° ના વળાંક છે સિવાય કે નિર્દેશિત હોય.)

- Ans ☒ A. 11 km ઉત્તર તરફ
☒ B. 10 km ઉત્તર તરફ
☒ C. 10 km દક્ષિણ તરફ
☒ D. 11 km દક્ષિણ તરફ

Q.89 જો '+' નો અર્થ '-', '-' નો અર્થ 'x', 'x' નો અર્થ '÷' અને '÷' નો અર્થ '+' હોય, તો નીચે આપેલા સમીકરણમાં પ્રશ્નચિહ્ન (?) ના સ્થાને શું આવશે?

$$21 - 4 \div 10 + 36 \times 4 = ?$$

- Ans ☒ A. 90
☒ B. 85
☒ C. 84
☒ D. 89

Q.90 સાત વ્યક્તિઓ F, G, H, L, M, O અને Q એક હરોળમાં ઉત્તર તરફ મુખ રાખીને બેઠા છે. M ની જમણી બાજુએ કોઈ બેઠું નથી. O અને M ની વચ્ચે ફક્ત ત્રણ વ્યક્તિઓ બેઠા છે. M અને L ની વચ્ચે ફક્ત એક જ વ્યક્તિ બેઠી છે. H એ G ની તરત જ ડાબી બાજુએ બેઠો છે. Q એ M ની તરત જ બાજુમાં બેઠો નથી. તો F અને H ની વચ્ચે કેટલા લોકો બેઠા છે?

- Ans ☒ A. ત્રણ
☒ B. એક
☒ C. બે
☒ D. ચાર

Q.91 સાત બોક્સ A, B, R, U, P, T અને S પૈકી દરેકને એકબીજાની ઉપર મૂકવામાં આવ્યા છે, પરંતુ જરૂરી નથી કે તે આ જ ક્રમમાં હોય. U ની ઉપર ફક્ત ચાર બોક્સ મૂકવામાં આવ્યા છે. R ની ઉપર ફક્ત એક બોક્સ મૂકવામાં આવ્યું છે. R અને A ની વચ્ચે ફક્ત એક બોક્સ મૂકવામાં આવ્યું છે. S ને T ની તરત ઉપર મૂકવામાં આવ્યું છે. P ને B ની નીચેના કોઈ સ્થાને મૂકવામાં આવ્યું છે. તો B અને S ની વચ્ચે કેટલા બોક્સ મૂકવામાં આવ્યા છે?

- Ans ☒ A. બે
☒ B. એક
☒ C. ચાર
☒ D. ત્રણ

Q.92 આપેલી અક્ષર શ્રેણીનો અભ્યાસ કરો અને તેની નીચે આપેલા પ્રશ્નનો જવાબ આપો. (ગણતરી ફક્ત ડાબી બાજુથી જમણી બાજુ કરવાની રહેશે.)
 (ડાબી બાજુ) K D A Z Z X L E L A R A E P E Y U Z F U Q P (જમણી બાજુ)
 એવા કેટલા સ્વરો છે જે દરેકની તરત જ પહેલા એક વ્યંજન આવે છે અને તરત જ પછી પણ એક વ્યંજન આવે છે?

- Ans ☒ A. 5
☒ B. 8
☒ C. 7
☒ D. 6

Q.93 નીચે આપેલી શ્રેણીમાં પ્રશ્નચિહ્ન (?) ના સ્થાને શું આવવું જોઈએ?
 45 ? 63 81 105 135

- Ans ☒ A. 54
☒ B. 51
☒ C. 53
☒ D. 52

Q.94 જો સંખ્યા 7281654 માં દરેક એકી અંકમાં 2 ઉમેરવામાં આવે અને દરેક બેકી અંકમાંથી 1 બાદ કરવામાં આવે, તો આ રીતે બનેલી નવી સંખ્યામાં ડાબી બાજુથી ત્રીજો અંક કયો હશે?

- Ans ☒ A. 3
☒ B. 9
☒ C. 7
☒ D. 1

Q.95 અંગ્રેજી મૂળાક્ષરોના ક્રમના આધારે, નીચેના ચાર અક્ષર-સમૂહમાંથી ત્રણ કોઈ ચોક્કસ રીતે સમાન છે અને તેથી એક જૂથ બનાવે છે. કયો વિકલ્પ તે જૂથમાં આવતો નથી?
 (નોંધ: અલગ પડતો વિકલ્પ વ્યંજન/સ્વરની સંખ્યા અથવા અક્ષર સમૂહમાં તેમના સ્થાન પર આધારિત નથી.)

- Ans ☒ A. HL-ZS
☒ B. QU – IB
☒ C. WA-OH
☒ D. GK - YP

Q.96 જો 'P' નો અર્થ '÷', 'Q' નો અર્થ 'x', 'R' નો અર્થ '+' અને 'S' નો અર્થ '-' થાય, તો નીચે આપેલા સમીકરણમાં પ્રશ્નચિહ્ન (?) ના સ્થાને શું આવશે?
 40 R 16 P 4 S 3 Q 5 = ?

- Ans ☒ A. 29
☒ B. 25
☒ C. 30
☒ D. 32

Q.97 આપેલી શ્રેણીમાં પ્રશ્નચિહ્ન (?)ના સ્થાને શું આવવું જોઈએ?
92 109 143 194 262 ?

- Ans
- ☒ A. 349
 - ☒ B. 351
 - ☒ C. 347
 - ☒ D. 345

Q.98 અંગ્રેજી મૂળાક્ષરોના ક્રમના આધારે આપેલી શ્રેણીમાં પ્રશ્નચિહ્ન (?)ના સ્થાને શું આવવું જોઈએ?

RNT KGM DZF WSY ?

- Ans
- ☒ A. FPR
 - ☒ B. YFT
 - ☒ C. WKF
 - ☒ D. PLR

Q.99 સાત બોક્સ, E, F, G, H, I, J અને R પૈકી દરેકને એકબીજાની ઉપર રાખવામાં આવ્યા છે, પરંતુ જરૂરી નથી કે તે આ જ ક્રમમાં હોય. E ની નીચે ફક્ત બે બોક્સ રાખવામાં આવ્યા છે. R ની ઉપર ફક્ત એક બોક્સ રાખવામાં આવ્યું છે. R અને H ની વચ્ચે ફક્ત એક બોક્સ રાખવામાં આવ્યું છે. G ને J ની તરત ઉપર રાખવામાં આવ્યું છે. F ને I ની નીચે કોઈ એક સ્થાને રાખવામાં આવ્યું છે. I અને F ની વચ્ચે કેટલા બોક્સ રાખવામાં આવ્યા છે?

- Ans
- ☒ A. બે
 - ☒ B. એક
 - ☒ C. શૂન્ય
 - ☒ D. ત્રણ

Q.100 એક ચોક્કસ કોડ લાંબામાં, 'NHJCR' ને '77' તરીકે કોડ કરવામાં આવે છે અને 'QETLO' ને '61' તરીકે કોડ કરવામાં આવે છે. તો આપેલી કોડ લાંબામાં 'PHASJ' માટેનો કોડ શું છે?

- Ans
- ☒ A. 70
 - ☒ B. 52
 - ☒ C. 76
 - ☒ D. 55



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	13/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 A shop sold 5 types of items over a week: 120, 150, 110, 130, and 140 units respectively. After receiving a return of 10 units from the first item, what is the new arithmetic mean (in units) of items sold?

- Ans**
- ☒ A. 124
 - ☒ B. 128
 - ☒ C. 122
 - ☒ D. 126

Q.2 The price of an article increases by 25%, then decreases by 20%, and finally increases by 15%. What is the overall percentage change in the price?

- Ans**
- ☒ A. 15%
 - ☒ B. 20%
 - ☒ C. 25%
 - ☒ D. 10%

Q.3 If a car covers a distance of 150 km at a speed of 50 km/h, how much time does it take to complete the journey?

- Ans**
- ☒ A. 2 hours
 - ☒ B. 4 hours
 - ☒ C. 5 hours
 - ☒ D. 3 hours

Q.4 In a division sum, the divisor is 2 times the quotient and 3 times the remainder. If the remainder is 10, what is the dividend?

- Ans**
- ☒ A. 460
 - ☒ B. 465
 - ☒ C. 464
 - ☒ D. 456

Q.5 Find the value of m which satisfies

$$\left(\frac{28}{8}\right)^{17} \times \left(\frac{8}{28}\right)^{20} \times \left(\frac{28}{8}\right)^3 = \left(\frac{8}{28}\right)^{9m+14}.$$

Ans

☐ A. $-\frac{13}{9}$

☒ B. $-\frac{14}{9}$

☐ C. $-\frac{11}{9}$

☐ D. $-\frac{7}{9}$

Q.6 Simplify: $9^2 + \sqrt{4^2} - 10 \times \sqrt{81} - 15$

Ans

☐ A. -21

☐ B. -12

☐ C. -10

☒ D. -20

Q.7 The third proportional to 75 and 45 is the same as the fourth proportional to 10, 5x and 6x. Find the value of x.

Ans

☐ A. 2

☐ B. 4

☐ C. 5

☒ D. 3

Q.8 A sum of money at compound interest, compounded annually grows to ₹24000 in 2 years and ₹28800 in 3 years. Find the annual rate of interest.

Ans

☐ A. 10%

☐ B. 25%

☒ C. 20%

☐ D. 15%

Q.9 A dealer of stationery items buys two types of pens, named Rajat Pen and Naveen Pen. The cost of 4 Rajat Pens and 6 Naveen Pens together is ₹540. The cost of one Naveen Pen is ₹15 more than the cost of one Rajat Pen. What is the cost of one Rajat Pen?

Ans

☐ A. ₹42

☐ B. ₹50

☐ C. ₹48

☒ D. ₹45

Q.10 Simplify: $\frac{\sin A \cos(90^\circ - A)}{\cot(90^\circ + A) \cos(180^\circ + A)}$

Ans

☐ A. $\cos A$

☐ B. $-\sin A$

☒ C. $\sin A$

☐ D. $-\cos A$

Q.11 During a sale, 50% of the goods are sold at 37% profit, 30% of the remaining goods are sold at 26% profit and the still remaining goods are sold at a loss of 24%. If there is an overall profit of $x\%$, then what is the value of x ?

- Ans**
- ☐ A. 15
 - ☐ B. 13.5
 - ☒ C. 14
 - ☐ D. 14.5

Q.12 A milkman adds two litres of water to every eight litres of milk and sells it at 50% more than his cost price of milk. Find the profit percentage of the milkman.

- Ans**
- ☐ A. 75%
 - ☐ B. 50%
 - ☒ C. 87.5%
 - ☐ D. 68.5%

Q.13 A and B can do a piece of work in 12 days and 36 days, respectively. Both work for 2 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☐ A. 27
 - ☐ B. 30
 - ☐ C. 29
 - ☒ D. 28

Q.14 From a regular octagon of side 4 units, a largest rectangle is cut out. From the remaining pieces, two largest rectangles are cut out. The remaining area of the octagon is _____ square units.

- Ans**
- ☒ A. 16
 - ☐ B. 8
 - ☐ C. 32
 - ☐ D. 24

Q.15 If a recipe requires ingredients in the ratio 1:2 and you have 3 cups of the first ingredient, how many cups of the second ingredient should you use?

- Ans**
- ☐ A. 4
 - ☐ B. 8
 - ☒ C. 6
 - ☐ D. 3

Q.16 A cube is melted and recast into a cuboid whose dimensions are in the ratio 4:5:8. If the height of the cuboid is 12 cm, then the edge of the original cube is (correct to 2 decimal places)

- Ans**
- ☐ A. 9.44 cm
 - ☐ B. 12.12 cm
 - ☒ C. 8.14 cm
 - ☐ D. 15.34 cm

Q.17 A school teacher observes that 4 years ago, her age was three times the age of her daughter at that time. 8 years from now, the teacher's age will be twice her daughter's age. What is the present age of the teacher?

- Ans**
- ☐ A. 44 years
 - ☒ B. 40 years
 - ☐ C. 42 years
 - ☐ D. 38 years

Q.18 A dealer buys an article marked at ₹1800 after successive discounts of 25% and $6\frac{2}{3}\%$. Find the cost price of the article to the dealer.

- Ans** ☒ A. ₹1260
☐ B. ₹1290
☐ C. ₹1275
☐ D. ₹1250

Q.19 Simplify the following expression:

$$\left(\frac{3}{4}\right) + 0.25 \times 2$$

- Ans** ☒ A. 1.25
☐ B. 1.50
☐ C. 1.00
☐ D. 1.75

Q.20 In a division sum, the divisor is 9 times the quotient and 3 times the remainder. If the remainder is 42, what is the dividend?

- Ans** ☐ A. 1808
☐ B. 1809
☒ C. 1806
☐ D. 1803

Q.21 A sum of money earns ₹2,400 as simple interest in 2 years at 12% per annum. Find the sum.

- Ans** ☐ A. ₹24,000
☒ B. ₹10,000
☐ C. ₹12,000
☐ D. ₹18,000

Q.22 If the price of a shirt increases from ₹400 to ₹500, what is the percentage increase in the price?

- Ans** ☐ A. 30%
☒ B. 25%
☐ C. 10%
☐ D. 15%

Q.23 2 men and 8 women can complete a piece of work in 13 days, and 3 men and 19 women can complete the same work in 8 days. The work of how many women is equivalent to that of one man?

- Ans** ☐ A. 29
☐ B. 23
☒ C. 24
☐ D. 25

Q.24 Evaluate $22^3 + (-13)^3 + (-9)^3$

- Ans** ☐ A. 7604
☐ B. 7730
☐ C. 7472
☒ D. 7722

Q.25 Three numbers are in the ratio 17 : 5 : 11, and their LCM is 3740. Their HCF is:

- Ans** ☒ A. 4
☐ B. 14
☐ C. 2
☐ D. 47

Q.26 Lata walks from home to the market, 20 km away, at 10 km/h. She stays there for 1 hour for shopping and returns home by an e-rickshaw at 20 km/h. Find the average speed for the whole trip.

- Ans** ☐ A. 9 km/h
☒ B. 10 km/h
☐ C. 6 km/h
☐ D. 8 km/h

Q.27 The monthly incomes (in ₹ thousands) of ten employees are 35, 40, 38, 50, 46, 42, 39, 37, 41, and 44. What is the median income of the employees (in ₹ thousands)?

- Ans** ☐ A. 42
☐ B. 40
☒ C. 40.5
☐ D. 41

Q.28 A shopkeeper marks the price of a washing machine 40% above its cost price. He offers a 25% discount on the marked price to attract customers. If the final selling price of the washing machine is ₹21,000, what was its cost price?

- Ans** ☐ A. ₹16,000
☐ B. ₹15,000
☒ C. ₹20,000
☐ D. ₹14,000

Q.29 A metallic sphere of radius 6 units is melted and recast into 27 smaller identical spheres. Find the ratio of the surface area of the larger sphere to the sum of the surface areas of all the smaller spheres.

- Ans** ☐ A. 2:3
☐ B. 1:4
☐ C. 2:5
☒ D. 1:3

Q.30 Two alloys A and B contain copper and zinc in the ratio 3:4 and 5:9, respectively. If equal weights of both alloys are melted together to form a new alloy, what is the ratio of copper to zinc in the new alloy?

- Ans** ☐ A. 8:13
☒ B. 11:17
☐ C. 9:16
☐ D. 12:19

Section : General Awareness

Q.31 Which of the following is NOT one of the merged schemes under Vigyan Dhara?

- Ans** ☒ A. National Education Policy Implementation
☐ B. Science and Technology Institutional and Human Capacity Building
☐ C. Innovation, Technology Development and Deployment
☐ D. Research and Development

Q.32 Which of the following is not an application software?

- Ans**
- ☐ A. Microsoft Publisher
 - ☐ B. Microsoft Excel
 - ☒ C. Operating System
 - ☐ D. Adobe Photoshop

Q.33 Which of the following Indian states is NOT crossed by the Tropic of Cancer?

- Ans**
- ☒ A. Odisha
 - ☐ B. Gujarat
 - ☐ C. Madhya Pradesh
 - ☐ D. West Bengal

Q.34 What is the name of the world's tallest statue dedicated to Sardar Vallabhbhai Patel?

- Ans**
- ☒ A. Statue of Unity
 - ☐ B. Statue of Equity
 - ☐ C. Statue of Liberty
 - ☐ D. Statue of Equality

Q.35 Which type of surface absorbs more heat and is therefore preferred during winters?

- Ans**
- ☐ A. Shiny surface
 - ☒ B. Dark-coloured surface
 - ☐ C. Light-coloured surface
 - ☐ D. White surface

Q.36 Jnanadeva's renowned work Bhavarthadipika (Jnaneshwari) serves as an elaborate commentary on which of the following scriptures?

- Ans**
- ☒ A. Bhagavad Gita
 - ☐ B. Vishnu Purana
 - ☐ C. Brahma Sutras
 - ☐ D. Upanishads

Q.37 Cricket player Suzie Bates, who became the first woman to play 350 international matches during the 2025 Women's ODI World Cup, belongs to which country?

- Ans**
- ☒ A. New Zealand
 - ☐ B. South Africa
 - ☐ C. Australia
 - ☐ D. England

Q.38 When fats react with sodium hydroxide to produce soap and glycerol, the reaction is classified as:

- Ans**
- ☐ A. Fermentation reaction
 - ☒ B. Saponification reaction
 - ☐ C. Precipitation reaction
 - ☐ D. Combustion reaction

Q.39 Vasco Da Gama reached Kappad near Calicut on which date to establish trade relations with Indian rulers?

- Ans**
- ☐ A. 14 April 1492
 - ☐ B. 20 November 1500
 - ☐ C. 10 June 1495
 - ☒ D. 20 May 1498

Q.40 The rise of vernacular languages in modern Indian literature was mainly due to _____.

- Ans**
- ☐ A. Increase in oral storytelling traditions in various Indian languages
 - ☒ B. British colonial education and printing technology
 - ☐ C. Printing of Mughal court documents in regional languages
 - ☐ D. Decline of regional kingdoms due to Western colonization

Q.41 Which high-altitude wildlife area was declared India's first "cold desert biosphere reserve" under UNESCO in 2025?

- Ans**
- ☐ A. Nubra Valley Reserve
 - ☒ B. Spiti Valley
 - ☐ C. Ladakh Wildlife Division
 - ☐ D. Kargil Wildlife Sanctuary

Q.42 Which of the following is listed as an effect of global warming?

- Ans**
- ☒ A. Melting of glaciers and flooding of coastal areas
 - ☐ B. Permanent cooling of ocean surface waters
 - ☐ C. Decrease in sea levels worldwide
 - ☐ D. Reduction in atmospheric temperature

Q.43 On 17 November 2025 which of the following institute has been selected to host the Centre of Excellence in Quantum AI and Computing?

- Ans**
- ☐ A. Indian Institute of Science, Bengaluru
 - ☐ B. Indian Institute of Technology, Roorkee
 - ☐ C. Indian Institute of Information Technology, Dharwad
 - ☒ D. Indian Institute of Technology, Dharwad

Q.44 'Playing It My Way' is the autobiography of which of the following sportspersons?

- Ans**
- ☐ A. Debashish Mishra
 - ☒ B. Sachin Tendulkar
 - ☐ C. Mohammed Shahid
 - ☐ D. Subhadra Pradhan

Q.45 In the context of Lok Adalats, which statement is correct?

- Ans**
- ☒ A. Proceedings are informal, flexible, and less technical
 - ☐ B. Formal procedures and strict rules of evidence are followed
 - ☐ C. Only Supreme Court judges can preside over Lok Adalat sessions
 - ☐ D. Lawyers are mandatory in every case presented to Lok Adalat

Q.46 Which of the following is no more a stock exchange in the country?

- Ans**
- ☐ A. National Commodity & Derivatives Exchange Ltd.
 - ☐ B. National Stock Exchange of India Ltd.
 - ☒ C. Delhi Stock Exchange Ltd.
 - ☐ D. Multi Commodity Exchange of India Ltd.

Q.47 A file with the extension ".docx" is usually created by:

- Ans**
- ☐ A. MS Paint
 - ☒ B. MS Word
 - ☐ C. Notepad
 - ☐ D. Calculator

Q.48 Who among the following is credited with the discovery of the law of conservation of mass?

- Ans**
- ☒ A. Antoine Lavoisier
 - ☐ B. John Dalton
 - ☐ C. Dmitri Mendeleev
 - ☐ D. Joseph Priestley

Q.49 Which socio-economic condition contributed to the prolonged Mappila uprisings?

- Ans**
- ☐ A. Disruption of caravan trade routes linking Mysore and Malabar.
 - ☒ B. Harsh land laws and landlord oppression in the Malabar region.
 - ☐ C. Enforcement of new fishing bans affecting coastal settlements.
 - ☐ D. Taxation of pepper exports restricting maritime activities.

Q.50 According to the Ministry of Coal Annual Report 2024–25, which state held the highest proportion of lignite reserves in India as of April 2024?

- Ans**
- ☐ A. Gujarat
 - ☐ B. Jharkhand
 - ☒ C. Tamil Nadu
 - ☐ D. Rajasthan

Q.51 Article 22 provides safeguards to arrested or detained individuals under which two detention categories?

- Ans**
- ☐ A. Temporary and permanent
 - ☐ B. Judicial and executive
 - ☐ C. Civil and military
 - ☒ D. Punitive and preventive

Q.52 Which of the following executive powers is exercised by the President of India?

- Ans**
- ☒ A. Appointing the Prime Minister and, on his advice, other Union Ministers
 - ☐ B. Appointing judges of High Courts and framing the rules of procedure of the Supreme Court
 - ☐ C. Conducting elections to Parliament
 - ☐ D. Deciding the tenure of the Governors

Q.53 According to the Census 2011, which of the following States and Union Territories recorded the lowest sex ratio in India?

- Ans**
- ☐ A. Haryana
 - ☒ B. Daman & Diu
 - ☐ C. Chandigarh
 - ☐ D. Delhi

Q.54 Which outcome correctly reflects the impact of the Battle of Wandiwash on European rivalry in India?

- Ans**
- ☐ A. French supremacy grew due to new alliances with Deccan-based rulers.
 - ☒ B. British dominance increased as French military influence collapsed permanently.
 - ☐ C. The French authority expanded through the successful seizure of British territories.
 - ☐ D. British control weakened as their forces retreated from key southern ports.

Q.55 In pre-independence India, who among the following first discussed the concept of the poverty line in his book Poverty and Un-British Rule in India?

- Ans**
- ☐ A. Jawaharlal Nehru
 - ☐ B. Ravindra Nath Tagore
 - ☒ C. Dadabhai Naoroji
 - ☐ D. Mahatma Gandhi

Q.56 A computer lab server handles login requests from many students at the same time without confusion. Which characteristic does this scenario mainly highlight?

- Ans**
- ☐ A. Lack of memory
 - ☐ B. Versatility only
 - ☒ C. Multitasking and reliability
 - ☐ D. Portability

Q.57 The river Kosi frequently shifts its channel in the plains mainly because:

- Ans**
- ☐ A. Its flow is sustained only by seasonal monsoon rain
 - ☐ B. Large upstream dams constantly modify their natural flow
 - ☐ C. It traverses a long stretch of tectonic rifted lowland
 - ☒ D. It carries huge quantities of sediment from the Himalayas

Q.58 Most of the route of the Orient Express (Trans-Continental Railway Route) majorly lies in which continent?

- Ans**
- ☐ A. North America
 - ☐ B. Asia
 - ☒ C. Europe
 - ☐ D. South America

Q.59 Which country topped the World Happiness Index 2025?

- Ans**
- ☐ A. Denmark
 - ☐ B. Sweden
 - ☐ C. Norway
 - ☒ D. Finland

Q.60 Under Article 226, High Courts can issue writs to which authorities within their territorial jurisdiction?

- Ans**
- ☐ A. Only State Government
 - ☐ B. Only private companies
 - ☒ C. Any person or authority or government
 - ☐ D. Only Union Government

Q.61 Which country joined as the 9th member of New Development Bank by BRICS in 2025?

- Ans**
- ☐ A. Myanmar
 - ☐ B. Brunei
 - ☐ C. Vietnam
 - ☒ D. Algeria

Q.62 In the Windows 11 operating system, when working with multiple open applications, pressing the Alt key combined with the Tab key is the fastest way to _____ between the running programs.

- Ans**
- ☐ A. close
 - ☐ B. save
 - ☒ C. switch
 - ☐ D. open

Q.63 Which type of unemployment is caused by a decline in aggregate demand during economic downturns?

- Ans**
- ☐ A. Seasonal
 - ☐ B. Structural
 - ☒ C. Cyclical
 - ☐ D. Voluntary

Q.64 Dharmapala, the Pala ruler, is credited with founding which of the following famous universities near Bhagalpur in Bihar?

- Ans**
- ☐ A. Odantapuri University
 - ☐ B. Nalanda University
 - ☒ C. Vikramashila University
 - ☐ D. Vallabhi University

Q.65 Dr. BR Ambedkar described Directive Principles of State Policy as _____.

- Ans**
- ☐ A. a fundamental feature
 - ☐ B. an essential feature
 - ☐ C. an inalienable feature
 - ☒ D. a novel feature

Q.66 Which of the following is the specialized kind of cell division that reduces the chromosome number by half, resulting in the production of haploid daughter cells?

- Ans**
- ☒ A. Meiosis
 - ☐ B. Fertilization
 - ☐ C. Translocation
 - ☐ D. Mitosis

Q.67 Provision for “just and humane conditions of work and maternity relief” under the Directive Principle of State Policy (DPSP) is contained in:

- Ans**
- ☒ A. Article 42
 - ☐ B. Article 41
 - ☐ C. Article 43
 - ☐ D. Article 47

Q.68 Which statement correctly describes the nature of Kumaragupta I's rule?

- Ans**
- ☐ A. His reign was marked by repeated internal rebellions, weakening Gupta authority.
 - ☒ B. His reign focused mainly on consolidation and prosperity of the Gupta realm.
 - ☐ C. His reign faced the initial emergence of the Pushyabhutis, threats without major disruption.
 - ☐ D. His rule witnessed continuous territorial expansion across central India.

Q.69 The new classification system for economic activities in India termed National Industrial Classification 2025 (NIC-2025) was prepared by which national body?

- Ans**
- ☐ A. NITI Aayog
 - ☐ B. National Statistical Commission (NSC)
 - ☐ C. Reserve Bank of India (RBI)
 - ☒ D. Ministry of Statistics and Programme Implementation (MoSPI)

Q.70 In 2025, which wildlife sanctuary in Madhya Pradesh was notified as a tiger reserve?

- Ans**
- ☐ A. Kanha Sanctuary
 - ☐ B. Pench Wildlife Sanctuary
 - ☐ C. Panna Sanctuary
 - ☒ D. Omkareshwar Sanctuary

Section : General Intelligence and Reasoning

Q.71 Seven boxes, G, H, I, L, M, N and O, are kept one over the other, but not necessarily in the same order.
Only three boxes are kept below H. O is kept immediately above H. I is kept immediately above N. Only G is kept above L. M is not kept at the lowermost position. How many boxes are kept between M and G?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. Zero

Q.72 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UWS OQM IKG CEA ?

- Ans**
- ☒ A. WZT
 - ☒ B. WXZ
 - ☒ C. WXT
 - ☒ D. WYU

Q.73 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.
FI – HE – DG
LO –NK –JM

- Ans**
- ☒ A. PS - TW - VR
 - ☒ B. KN - MJ - IL
 - ☒ C. CB - AD - EF
 - ☒ D. OR - QN - RV

Q.74 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', then what will come in place of the question mark (?) in the following equation?

36 A 3 C 21 D 12 B 2 = ?

- Ans**
- ☒ A. 18
 - ☒ B. 13
 - ☒ C. 9
 - ☒ D. 4

Q.75 In a certain code language, 'kin hair calm' is coded as 'nl ix wp' and 'guest calm iron' is coded as 'ag lj ix'. How is 'calm' coded in the given language? (All codes are two-letter codes.)

- Ans**
- ☒ A. wp
 - ☒ B. ag
 - ☒ C. nl
 - ☒ D. ix

Q.76 What should come in place of the '?' in the given series?

352 ? 88 44 22 11

- Ans**
- ☒ A. 164
 - ☒ B. 160
 - ☒ C. 176
 - ☒ D. 178

Q.77 What should come in place of '?' in the given series?
63 68 ? 93 113 138

- Ans
- ☒ A. 88
 - ☒ B. 78
 - ☒ C. 83
 - ☒ D. 85

Q.78 In a certain code language, 'FILM' is coded as '6043' and 'LIME' is coded as '7304'. What is the code for 'E' in the given code language?

- Ans
- ☒ A. 4
 - ☒ B. 7
 - ☒ C. 3
 - ☒ D. 0

Q.79 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ A. DF-WP
 - ☒ B. UW-MG
 - ☒ C. SU-KE
 - ☒ D. HJ-ZT

Q.80 In a certain code language,
A ! B means 'A is the wife of B',
A > B means 'A is the sister of B',
A = B means 'A is the father of B' and
A - B means 'A is the son of B'.

How is N related to E if 'N > U - R ! S = E'?

- Ans
- ☒ A. Daughter's sister
 - ☒ B. Sister
 - ☒ C. Daughter
 - ☒ D. Sister's daughter

Q.81 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some pickles are seeds.

All seeds are flowers.

Conclusions:

(I) Some pickles are flowers.

(II) All flowers are seeds.

- Ans
- ☒ A. Only conclusion (II) follows
 - ☒ B. Both conclusions (I) and (II) follow
 - ☒ C. Only conclusion (I) follows
 - ☒ D. Neither conclusion (I) nor (II) follows

Q.82 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 5 4 5 6 5 8 5 1 7 6 3 9 7 6 4 1 7 6 4 5 7 6 4 7 7 6 (Right)
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square.)

- Ans** ☒ A. None
☐ B. Four
☐ C. One
☐ D. Two

Q.83 Seven people, Manu, Neha, Ojas, Pritam, Rina, Sita and Tina, are sitting around a circular table, facing the centre. Rina sits second to the right of Tina and second to the left of Sita. Manu sits third to the left of Ojas and Manu is an immediate neighbour of Rina. Pritam sits second to the left of Manu. How many people sit between Sita and Tina, when counted from the left of Tina?

- Ans** ☐ A. One
☒ B. Two
☐ C. Three
☐ D. None

Q.84 LPBF is related to QUGK in a certain way based on the English alphabetical order. In the same way, FJVZ is related to KOAE. To which of the following options is UYKO related, following the same logic?

- Ans** ☐ A. ZDTP
☐ B. ZTPO
☐ C. ZOPT
☒ D. ZDPT

Q.85 In a row of 214 students facing north, Rt is 164th from the left end. If Kl is 37th to the right of Rt, what is Kl's position from the right end of the line?

- Ans** ☐ A. 12th
☐ B. 11th
☐ C. 13th
☒ D. 14th

Q.86 TJ 12 is related to VF 4 in a certain way. In the same way, HE 10 is related to JA 2. To which of the following is DR 5 related, following the same logic?

- Ans** ☐ A. VH -6
☒ B. FN -3
☐ C. JI -7
☐ D. HJ 9

Q.87 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
CMZ 3 HRE 6 MWJ 9 RBO 12 ?

- Ans** ☒ A. WGT 15
☐ B. KDT 15
☐ C. NDY 18
☐ D. SPR 16

Q.88 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All hens are shirts.

All cats are shirts.

Conclusions:

(I) Some hens are cats.

(II) Some shirts are cats.

Ans ☒ A. Neither conclusion (I) nor (II) follows

☒ B. Only conclusion (II) follows

☒ C. Only conclusion (I) follows

☒ D. Both conclusions (I) and (II) follow

Q.89 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☒ A. CAD

☒ B. FDG

☒ C. IGK

☒ D. KIL

Q.90 Each letter in the word CENTURY is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fifth from the left in the new group of letters thus formed?

Ans ☒ A. U

☒ B. V

☒ C. Z

☒ D. O

Q.91 Six boxes F, G, H, I, J and C are kept one over the other but not necessarily in the same order. Only four boxes are kept between H and I. Only H is kept above J. Only two boxes are kept between J and F. C is kept immediately above G. Which box is kept fourth from the bottom?

Ans ☒ A. F

☒ B. C

☒ C. G

☒ D. J

Q.92 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 33, 5)

(6, 40, 19)

Ans ☒ A. (17, 33, 10)

☒ B. (9, 39, 15)

☒ C. (8, 46, 22)

☒ D. (20, 37, 12)

Q.93 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. NMP
 - ☒ B. BAD
 - ☒ C. VUY
 - ☒ D. GFI

Q.94 Each vowel in the word CORRECT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans**
- ☒ A. Q
 - ☒ B. P
 - ☒ C. S
 - ☒ D. R

Q.95 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$10 A 2 C 35 B 2 = ? C 20$$

- Ans**
- ☒ A. 45
 - ☒ B. 35
 - ☒ C. 50
 - ☒ D. 55

Q.96 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JUC55 , OZH67 , TEM79 , YJR91 , ?

- Ans**
- ☒ A. DOW103
 - ☒ B. LOW103
 - ☒ C. DOX103
 - ☒ D. DEW103

Q.97 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 1528634, then what will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ A. 13
 - ☒ B. 10
 - ☒ C. 12
 - ☒ D. 14

Q.98 Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P2 sits to the immediate right of P6. P5 is sitting immediately between P4 and P3. P2 sits second to left of P4. P1 sits third to left of P7. How many people are sitting between P1 and P7 when checked from right of P7?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Three

Q.99 Vikash starts from Point A and drives 14 km towards the south. He then takes a right turn, drives 17 km, turns right and drives 19 km. He then takes a right turn and drives 18 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 3 km to the east
 - ☐ B. 2 km to the west
 - ☐ C. 4 km to the east
 - ☒ D. 1 km to the west

Q.100 G is the sister of Y. Y is the brother of J. M is the father of W. W is the son of J. How is G related to M?

- Ans**
- ☐ A. Wife's mother
 - ☐ B. Sister
 - ☒ C. Wife's sister
 - ☐ D. Mother



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	13/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 In an apartment complex, the monthly electricity consumption (in units) for five flats is 320, 400, 360, 340, and 380. If the residents want to know the average monthly consumption (in units) per flat by using the direct method, what value will they obtain?

- Ans**
- ☒ A. 350
 - ☒ B. 360
 - ☒ C. 355
 - ☒ D. 365

Q.2 Seven years ago Ramu was five times as old as his son. The present age difference between Ramu and his son is 28 years. Find the sum of their present ages.

- Ans**
- ☒ A. 28 years
 - ☒ B. 73 years
 - ☒ C. 56 years
 - ☒ D. 30 years

Q.3 The fourth proportional to three positive numbers is 120. If the first number is twice the second, and the third number is five times the first, then find the sum of all the three numbers.

- Ans**
- ☒ A. 312
 - ☒ B. 336
 - ☒ C. 288
 - ☒ D. 300

Q.4 Two trains of lengths 250 m and 300 m run in opposite directions at 72 km/hr and 108 km/hr. In how many seconds will they completely cross each other?

- Ans**
- ☒ A. 11 seconds
 - ☒ B. 12 seconds
 - ☒ C. 15 seconds
 - ☒ D. 14 seconds

Q.5 The sum of two positive numbers is 51 and their product is 230. The positive difference between them is:

- Ans**
- ☒ A. 52
 - ☒ B. 41
 - ☒ C. 61
 - ☒ D. 32

Q.6 Four prime numbers are listed in order. If the product of the first three is 105 and the product of the last three is 385, what is the largest prime number?

- Ans
- ☐ A. 7
 - ☐ B. 13
 - ☒ C. 11
 - ☐ D. 17

Q.7 A recipe requires sugar and flour in the ratio 7:11. If you have 154 grams of sugar and want to maintain the same proportion, how much flour should you use?

- Ans
- ☐ A. 264 grams
 - ☐ B. 198 grams
 - ☐ C. 220 grams
 - ☒ D. 242 grams

Q.8 The volume of a cylinder having height 27 cm and radius 7 cm is:

$$\left(\pi = \frac{22}{7}\right)$$

- Ans
- ☐ A. 4068 cm³
 - ☒ B. 4158 cm³
 - ☐ C. 4146 cm³
 - ☐ D. 4187 cm³

Q.9 Pipes A and B fill a tank in 20 and 30 minutes, respectively. If both are opened together, after how many minutes will the tank be $\frac{2}{3}$ full?

- Ans
- ☒ A. 8 minutes
 - ☐ B. 12 minutes
 - ☐ C. 10 minutes
 - ☐ D. 16 minutes

Q.10 Simplify:

$$\frac{(3^5 \times 6^4 \times 4^3)}{(3^2 \times 6^2 \times 4^1)}$$

- Ans
- ☐ A. 15559
 - ☒ B. 15552
 - ☐ C. 15558
 - ☐ D. 15554

Q.11 ஒரு எண்ணின் 45% ஆனது, அவ்வெண்ணின் 20% ஐ விட 48 அதிகமெனில், அந்த எண் _____ ஆகும்.

- Ans
- ☐ A. 232
 - ☐ B. 212
 - ☐ C. 172
 - ☒ D. 192

Q.12 If the ratio of two numbers is 8 : 3, and their HCF is 8, then their LCM is:

- Ans
- ☐ A. 200
 - ☒ B. 192
 - ☐ C. 186
 - ☐ D. 229

Q.13 Let p and q be distinct positive prime numbers such that $p > q$ and $p^2 - q^2 = 45$. What is the value of $p + q$?

- Ans**
- ☒ A. 9
 - ☐ B. 12
 - ☐ C. 13
 - ☐ D. 10

Q.14 A rectangular garden has a length of 16 meters and a width of x meters. If the width is the mean proportional between 4 meters and 64 meters, what is the value of x ?

- Ans**
- ☐ A. 24
 - ☒ B. 16
 - ☐ C. 12
 - ☐ D. 8

Q.15 An investment decreases by 30% in the first year, increases by 30% in the second year, and then increases by 20% in the third year. What is the overall percentage change from the initial value?

- Ans**
- ☐ A. 9.2% decrease
 - ☐ B. 10.2% decrease
 - ☐ C. 10.2 % increase
 - ☒ D. 9.2% increase

Q.16 There are 400 multiple choice questions in a test. 4 marks are allotted for a correct answer and 1 mark is deducted for a wrong answer or unattempted question from total score of correct answers. If a candidate has scored 1280 marks in the test, how many questions did the candidate answer correctly?

- Ans**
- ☐ A. 322
 - ☐ B. 346
 - ☒ C. 336
 - ☐ D. 315

Q.17 A merchant buys tea at ₹100 per kg and sells it using a 800 g weight as 1 kg, after marking the price up by 25% and giving a discount of 20%. What is his profit per kg?

- Ans**
- ☐ A. ₹10
 - ☐ B. ₹15
 - ☐ C. ₹20
 - ☒ D. ₹25

Q.18 A shopkeeper offers a fixed discount of 15% on rice and 100 gm rice free with every purchase of 1.9 kg rice. Find the overall discount percent offered by him on rice.

- Ans**
- ☒ A. 19.25%
 - ☐ B. 19.50%
 - ☐ C. 19.10%
 - ☐ D. 20.00%

Q.19 Find the value of m which satisfies

$$\left(\frac{23}{8}\right)^{12} \times \left(\frac{8}{23}\right)^{15} \times \left(\frac{23}{8}\right)^9 = \left(\frac{8}{23}\right)^{8m+8}.$$

Ans

☒ A. $-\frac{9}{8}$

☒ B. $-\frac{24}{8}$

☒ C. $-\frac{7}{4}$

☒ D. $-\frac{10}{8}$

Q.20 To earn ₹15,000 as simple interest in 5 months at 12% per annum, what should be the invested amount?

Ans

☒ A. ₹2,00,000

☒ B. ₹2,50,000

☒ C. ₹3,00,000

☒ D. ₹3,50,000

Q.21 If the amount payable after 2 years is 1.1025 times of the sum invested, at compound interest (compounded annually), what is the rate of interest per annum?

Ans

☒ A. 5%

☒ B. 10%

☒ C. 3.5%

☒ D. 2%

Q.22 A family consumes 12 units of electricity per day. Cost per unit is ₹8. How much do they pay for a 31-day month?

Ans

☒ A. ₹2,967

☒ B. ₹2,976

☒ C. ₹2,796

☒ D. ₹2,769

Q.23 If $\sin \theta + \cos \theta = \sqrt{2} \cos \theta$, where, $0 < \theta < 90^\circ$, then the value of $\tan \theta$ is:

Ans

☒ A. 1

☒ B. $\sqrt{3}$

☒ C. $\sqrt{2} - 1$

☒ D. $\frac{1}{\sqrt{3}}$

Q.24 A group consists of 25% boys, 55% girls, and the rest are teachers. Their average weights are 50 kg, 55 kg, and 65 kg, respectively. What is the average weight (in kg) of the group?

Ans

☒ A. 55.75kg

☒ B. 52.14 kg

☒ C. 62.34 kg

☒ D. 58.43 kg

Q.25 A train travels at a speed of 54 km/h for 20 minutes. What distance does it cover?

- Ans**
- ☐ A. 12 km
 - ☐ B. 15 km
 - ☐ C. 20 km
 - ☒ D. 18 km

Q.26 A trader initially marks all his goods 60% above the cost price. He sells half of the goods at a discount of 25% on the marked price. For the remaining half, he revises the marked price to 80% above the cost price and then offers a discount of 30%. Find the overall profit percentage earned by the trader.

- Ans**
- ☒ A. 23%
 - ☐ B. 22%
 - ☐ C. 20%
 - ☐ D. 21%

Q.27 If the consecutive angles of a parallelogram are in the ratio 2:3, what is the measure of the smaller angle?

- Ans**
- ☒ A. 72°
 - ☐ B. 70°
 - ☐ C. 76°
 - ☐ D. 74°

Q.28 A and B can do a piece of work in 12 days and 33 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☐ A. 17
 - ☐ B. 19
 - ☐ C. 20
 - ☒ D. 18

Q.29 A landscape architect is designing a garden in the shape of a quadrilateral where the diagonals intersect at right angles but are not equal in length. If the diagonals are 12 meters and 16 meters, what is the area of the garden?

- Ans**
- ☒ A. 96 square meters
 - ☐ B. 48 square meters
 - ☐ C. 192 square meters
 - ☐ D. 64 square meters

Q.30 An article is sold at a loss of 12% on its cost price. If the same article were sold for ₹84 more than its original selling price, the seller would make a profit of 8% on the same cost price. What is the cost price of the article?

- Ans**
- ☒ A. ₹420
 - ☐ B. ₹400
 - ☐ C. ₹430
 - ☐ D. ₹410

Section : General Awareness

Q.31 மேற்குத் தொடர்ச்சி மலைகள், எந்தப் பகுதியில் மிக உயரமாக உள்ளன?

- Ans**
- ☐ A. கர்நாடகா
 - ☒ B. கேரளா
 - ☐ C. தமிழ்நாடு
 - ☐ D. கோவா

Q.32 Which Indian launch vehicle successfully launched the CMS-03 communication satellite on 2nd November 2025?

- Ans
- ☐ A. Agni
 - ☒ B. LVM3
 - ☐ C. PSLV
 - ☐ D. GSLV

Q.33 Which component of the Central Processing Unit (CPU) is responsible for performing calculations and logical comparisons?

- Ans
- ☐ A. Main Memory (RAM)
 - ☐ B. Control Unit (CU)
 - ☐ C. Register
 - ☒ D. Arithmetic Logic Unit (ALU)

Q.34 முன்கூட்டியே கலைக்கப்படாவிட்டால், இந்திய மாநில சட்டமன்றங்களில் தேர்ந்தெடுக்கப்பட்ட ஒரு MLA வின் பதவிக்காலம் என்ன?

- Ans
- ☐ A. 4 ஆண்டுகள்
 - ☐ B. 3 ஆண்டுகள்
 - ☒ C. 5 ஆண்டுகள்
 - ☐ D. 6 ஆண்டுகள்

Q.35 Which of the following is the funding ratio shared by the Central and State Governments under the 'Paramparagat Krishi Vikas Yojana' in the North-eastern and Himalayan States?

- Ans
- ☐ A. 50 : 50
 - ☐ B. 80 : 20
 - ☒ C. 90 : 10
 - ☐ D. 60 : 40

Q.36 அர்த்தசாஸ்திரத்தின்படி, குடிமக்களுக்கு இடையேயான பூசல்களையும், மற்றும் அரசுக்கும் குடிமக்களுக்கும் இடையேயான முரண்பாடுகளையும் கையாண்ட இருவகை நீதிமன்றங்கள் யாவை?

- Ans
- ☐ A. மந்திரிபரிஷத் மற்றும் பரிஷத்
 - ☒ B. தர்மஸ்தியா மற்றும் கண்டகசோதனா
 - ☐ C. சபா மற்றும் சமிதி
 - ☐ D. சங்கம் மற்றும் கணம்

Q.37 What change occurs in the amount of heat produced when the electric current in a conductor is doubled?

- Ans
- ☐ A. Double
 - ☐ B. Same as before
 - ☐ C. Half
 - ☒ D. Four times

Q.38 What is the primary purpose of a Parliamentary Committee in India?

- Ans
- ☐ A. To amend provisions of the Constitution
 - ☐ B. To supervise elections across the country
 - ☒ C. To examine bills and policies in detail
 - ☐ D. To appoint ministers to executive offices

Q.39 Which river system supports Bangladesh's extreme population density?

- Ans
- ☐ A. Mississippi River Plain
 - ☐ B. Nile River Valley
 - ☒ C. Ganges-Brahmaputra Delta
 - ☐ D. Amazon River Basin

Q.40 கிராமப்புற கைவினைப்பொருட்கள், கண்காட்சிகள், திருவிழாக்கள் மற்றும் இனவரைவியல் ஆய்வுகள் (ethnographic surveys) குறித்த விரிவான ஆய்வுகள் மூலம், மக்கள் தொகை கணக்கெடுப்பு அமைப்பை ஒரு முக்கிய கலாச்சார களஞ்சியமாக (Cultural Repository) மாற்றிய பெருமைக்குரியதும், மற்றும் கீ பஞ்ச்ஸ் (key punches), சார்ட்டர்கள் (sorters) மற்றும் டேபுலேட்டர்கள் (tabulators) போன்ற மெக்கானிக்கல் டேபுலேஷன் உபகரணங்களை (mechanical tabulation equipment) இந்தியா முதன்முதலில் கையாண்ட தொடக்க கால அடையாளமாகத் திகழ்வதுமான இந்திய மக்கள் தொகை கணக்கெடுப்பு எது?

- Ans
- ☒ A. 1961 இந்திய மக்கள் தொகை கணக்கெடுப்பு
 - ☐ B. 1981 இந்திய மக்கள் தொகை கணக்கெடுப்பு
 - ☐ C. 1951 இந்திய மக்கள் தொகை கணக்கெடுப்பு
 - ☐ D. 1971 இந்திய மக்கள் தொகை கணக்கெடுப்பு

Q.41 Who among the following won the Laureus World Sportsman of the Year Award in 2025?

- Ans
- ☐ A. Tom Pidcock
 - ☐ B. Serena Williams
 - ☐ C. Novak Djokovic
 - ☒ D. Mondo Duplantis

Q.42 The commercial unit of electrical energy is kilowatt hour (kWh) and 1 kW h is equal to _____.

- Ans
- ☐ A. 3.6×10^7 watt second
 - ☐ B. 3.6×10^9 watt second
 - ☒ C. 3.6×10^6 watt second
 - ☐ D. 3.6×10^8 watt second

Q.43 வளர்ந்து வரும் சந்தை பொருளாதாரங்கள் 2025 குறித்த சர்வதேச நாணய நிதியத்தின் AIUIa மாநாடு (International Monetary Fund AIUIa Conference)-ஆனது, _____ இல் கவனம் செலுத்துகிறது.

- Ans
- ☐ A. பங்குச் சந்தை கணிப்புகளில் செயற்கை நுண்ணறிவின் பங்கு
 - ☐ B. பணவீக்கத்தை எதிர்த்துப் போராடுவதற்கு, வளர்ந்த பொருளாதாரங்களுக்கான மூலோபாயங்கள்
 - ☒ C. மாறிவரும் பொருளாதாரச் சூழலில், வளர்ந்து வரும் சந்தைகளுக்கான கொள்கைச் சவால்களும் வாய்ப்புகளும்
 - ☐ D. உலகளாவிய வர்த்தகத்தில் கிரிப்டோகரன்சியின் தாக்கம்

Q.44 Which of the following is NOT a style of Hindustani classical music?

- Ans
- ☐ A. Khyal
 - ☒ B. Varnam
 - ☐ C. Tappa
 - ☐ D. Dhrupad

Q.45 In 2025, India's ranking in the Climate Change Performance Index (CCPI) was:

- Ans
- ☐ A. 18th
 - ☐ B. 12th
 - ☒ C. 10th
 - ☐ D. 15th

Q.46 பின்வரும் எந்த வகையான இயற்கைத் தாவரங்கள், 'தைகா' (Taiga) என்றும் அழைக்கப்படுகின்றன?

- Ans
- ✓ A. ஊசியிலைக் காடுகள்
 - ✗ B. மிதவெப்ப மண்டல இலையுதிர் காடுகள்
 - ✗ C. வெப்பமண்டலப் புல்வெளிகள்
 - ✗ D. மத்திய தரைக்கடல் தாவரங்கள்

Q.47 Which ministry released the fourth issue of the publication titled “Children in India 2025” on 25 September 2025?

- Ans
- ✗ A. Ministry of Women and Child Development
 - ✗ B. Ministry of Health and Family Welfare
 - ✓ C. Ministry of Statistics and Programme Implementation
 - ✗ D. Ministry of Education

Q.48 எந்த நினைவகம் மிக வேகமானது மற்றும் CPU-வின் உள்ளே அமைந்துள்ளது?

- Ans
- ✗ A. RAM
 - ✗ B. ஹார்ட் டிஸ்க்
 - ✗ C. கேச் L3
 - ✓ D. ரிஜிஸ்டர்

Q.49 தனிம அட்டவணையில் ஒரு தொகுதியில் கீழ்நோக்கிச் செல்லும்போது உலோகப் பண்பு அதிகரிப்பதற்கு எக்காரணிகள் பொறுப்பாகின்றன?

- Ans
- ✓ A. குறையும் அயனியாக்க ஆற்றல் மற்றும் அதிகரிக்கும் அணு அளவு (atomic size)
 - ✗ B. அதிகரிக்கும் அயனியாக்க ஆற்றல் மற்றும் குறையும் அணு அளவு
 - ✗ C. அதிகரிக்கும் அணு அளவு மற்றும் மாறாத அயனியாக்க ஆற்றல்
 - ✗ D. மாறாத அயனியாக்க ஆற்றல் மற்றும் குறையும் அணு அளவு

Q.50 Which of the following was a major goal of liberalisation under the 1991 economic reforms?

- Ans
- ✗ A. Promote public sector dominance
 - ✓ B. Remove barriers to trade and industry
 - ✗ C. Ban foreign companies
 - ✗ D. Increase government control over industries

Q.51 மே 1977 இல் ஜனதா கட்சி அரசாங்கத்தால் நியமிக்கப்பட்ட விசாரணை ஆணையத்தின் முதன்மை நோக்கம் என்னவாக இருந்தது?

- Ans
- ✗ A. முந்தைய அரசாங்கத்தின் பொருளாதாரக் கொள்கைகளை ஆராய
 - ✗ B. ஜனதா கட்சி அரசாங்கத்தின் செயல்திறனை மதிப்பீடு செய்ய
 - ✗ C. குடிமை உரிமைகள் மீது நெருக்கடி நிலையின் தாக்கத்தை மதிப்பிடுவதற்கு
 - ✓ D. நெருக்கடி நிலையின்போது அதிகார துஷ்பிரயோகம் செய்யப்பட்டதாகக் கூறப்படும் குற்றச்சாட்டுகளை ஆராய

Q.52 Which Indian political leader was appointed as the central observer for the Bharatiya Janata Party's legislative-party-leader selection in Bihar in Nov 2025?

- Ans
- ✓ A. Keshav Prasad Maurya
 - ✗ B. Sadhvi Niranjana Jyoti
 - ✗ C. Yogi Adityanath
 - ✗ D. Arjun Ram Meghwal

Q.53 கிழக்கு இந்தியாவின் புகழ்பெற்ற நடன பாரம்பரியமான 'சாவ்' (Chhau) என்பது, யுனெஸ்கோவினால் (UNESCO) எந்தப் பண்பாட்டு அங்கீகாரப் பிரிவின் கீழ் அங்கீகரிக்கப்பட்டுள்ளது?

- Ans
- ☒ A. வாய்மொழி மற்றும் இலக்கியப் பாரம்பரியம் (Oral and Literary Heritage)
 - ☒ B. உலகப் பாரம்பரியக் களங்கள்
 - ☒ C. கலாச்சார நிலப்பரப்பு பாரம்பரியம்
 - ☒ D. கண்டறிய முடியாத கலாச்சார பாரம்பரியம் (Intangible Cultural Heritage)

Q.54 வெர்னாகுலர் பத்திரிகைச் சட்டத்தின் (Vernacular Press Act) (1878) முக்கிய நோக்கம் என்ன?

- Ans
- ☒ A. வட்டார மொழி பத்திரிகைகளில் சுதந்திரமான கருத்து வெளிப்பாட்டை அனுமதிக்கும் வகையில் தணிக்கை விதிகளை நீக்குதல்
 - ☒ B. காலனித்துவ பிரதேசங்களில் கலாச்சார ஒற்றுமையை ஆதரிக்க இருமொழி பத்திரிகையை ஊக்குவித்தல்.
 - ☒ C. . எதிர்ப்பாளர்களுக்கு எதிராக ஏகாதிபத்தியக் கொள்கைகளை ஆதரிக்கும்படி பிராந்திய செய்தித்தாள்களை ஊக்கப்படுத்துதல்
 - ☒ D. பிரிட்டிஷ் அரசியல் நடவடிக்கைகள் மீதான விமர்சனங்களைத் தடுப்பதற்கு ஆங்கிலம் அல்லாத வெளியீடுகளைக் கட்டுப்படுத்துதல்.

Q.55 Which law governs the relationship between the pressure and volume of a fixed amount of gas at constant temperature?

- Ans
- ☒ A. Gay-Lussac's Law
 - ☒ B. Avogadro's Law
 - ☒ C. Charles's Law
 - ☒ D. Boyle's Law

Q.56 கோடை சங்கிராந்தியின் (June Solstice) போது, எந்த அட்சரேகையானது, மிக நீண்ட பகல் நேரத்தை உணர்கிறது?

- Ans
- ☒ A. 23½° N
 - ☒ B. 23½° S
 - ☒ C. பூமத்திய ரேகை
 - ☒ D. 66½° N

Q.57 பின்வருவனவற்றுள், இந்திய பாரம்பரிய இசையில், பொதுவாகப் பயன்படுத்தப்படும் ஒரு தாள வாத்தியக் கருவி எது?

- Ans
- ☒ A. வீணை
 - ☒ B. சந்தூர்
 - ☒ C. புல்லாங்குழல்
 - ☒ D. மிருதங்கம்

Q.58 சுற்றுச்சூழலுக்கு உகந்த ஒரு பசுமை உந்துவிசை அமைப்பின் (green propulsion system) சுற்றுப்பாதைச் சோதனையை, எந்தத் தளமானது வெற்றிகரமாக நிறைவு செய்தது?

- Ans
- ☒ A. TDF இலிருந்து PSLV பேலோடு மாடூல் (PSLV payload module from TDF)
 - ☒ B. புவி ஒத்திசைவு செயற்கைக்கோள் (Geosynchronous satellite)
 - ☒ C. GSLV மேல் நிலை
 - ☒ D. சந்திராயன் லேண்டர்

Q.59 India became a full member of the Shanghai Cooperation Organisation (SCO) in which of the following years?

- Ans
- ☒ A. 2015
 - ☒ B. 2005
 - ☒ C. 2017
 - ☒ D. 2001

Q.60 According to the Census 2011, what was the approximate total literacy rate in India?

- Ans
- ☒ A. 70.50%
 - ☒ B. 64.83%
 - ☒ C. 74.04%
 - ☒ D. 78.21%

Q.61 கலிங்கப் போருக்குப் பிறகான அசோகரின் மனமாற்றத்தை வெளிப்படுத்தும் கல்வெட்டு எது?

- Ans
- ☒ A. கல்வெட்டுப் பாறை VII
 - ☒ B. கல்வெட்டுத் தூண் V
 - ☒ C. கல்வெட்டுப் பாறை XIII
 - ☒ D. கல்வெட்டுப் பாறை I

Q.62 வானிலை முன்னறிவிப்பு, உருவகப்படுத்துதல் மற்றும் ஆராய்ச்சி போன்ற பணிகளுக்குக் கணினிகள் எந்தத் துறையில் பயன்படுத்தப்படுகின்றன?

- Ans
- ☒ A. பொழுதுபோக்கு
 - ☒ B. விளையாட்டு பயிற்சி
 - ☒ C. விண்வெளி மற்றும் வானிலையியல்
 - ☒ D. விவசாயம்

Q.63 In which of the following years was Rani Lakshmi Bai killed?

- Ans
- ☒ A. 1854
 - ☒ B. 1878
 - ☒ C. 1858
 - ☒ D. 1857

Q.64 விக்கித் பாரத் – ஊரக வேலைவாய்ப்பு மற்றும் வாழ்வாதாரத்திற்கான உத்தரவாதம் இயக்கம் (Viksit Bharat – Guarantee for Rozgar and Aajeevika Mission) (கிராமின்) (VB-G RAM G) சட்டம், 2025-இன் கீழ், கிராமப்புறக் குடும்பங்களுக்கு ஒரு ஆண்டிற்கு குறைந்தபட்சம் எத்தனை நாட்களுக்கு ஊதிய வேலைவாய்ப்பு உத்தரவாதம் அளிக்கப்படுகிறது?

- Ans
- ☒ A. 50 நாட்கள்
 - ☒ B. 100 நாட்கள்
 - ☒ C. 125 நாட்கள்
 - ☒ D. 75 நாட்கள்

Q.65 In which of the following years was the Citizenship Act passed by the Indian Parliament?

- Ans
- ☒ A. 1955
 - ☒ B. 1950
 - ☒ C. 1953
 - ☒ D. 1952

Q.66 Which statement about Application Software is True or False?

- (i) Application Software depends on System Software like the OS to be loaded and access hardware.
(ii) The failure of one application always causes the OS to crash.

- Ans
- ☒ A. (i) True, (ii) False
 - ☒ B. (i) False, (ii) True
 - ☒ C. (i) False, (ii) False
 - ☒ D. (i) True, (ii) True

Q.67 The IMD World Competitiveness Ranking 2025 listed which of the following among the top 3 most competitive economies?

- Ans
- ☐ A. Germany, Japan, Canada
 - ☐ B. USA, China, India
 - ☐ C. Brazil, Russia, South Africa
 - ☒ D. Switzerland, Singapore, Hong Kong

Q.68 பின்வரும் கட்டிடக்கலை நுட்பங்களில் எது, சுல்தானியர்களின் ஆட்சிக் காலத்தில் இந்தியாவில் அறிமுகப்படுத்தப்பட்டதாகும்?

- Ans
- ☐ A. ஸ்லாப் மற்றும் உத்தரங்களைக் கொண்ட கூரை அமைப்பு
 - ☒ B. வளைவு மற்றும் குவிமாடத்துடனான கட்டுமான நுட்பம்
 - ☐ C. பீப்பாய் வால்டிங்
 - ☐ D. மரத்தினால் ஆன தாங்கு சட்ட கட்டுமானம்

Q.69 What was the Untouchability (Offences) Act, 1955, renamed as in 1976?

- Ans
- ☐ A. Civil Rights Enforcement Act
 - ☒ B. Protection of Civil Rights Act, 1955
 - ☐ C. Fundamental Rights Protection Act
 - ☐ D. Social Justice Act

Q.70 பின்வரும் அடிப்படை கடமைகளில் எது, 2002 ஆம் ஆண்டின் 86வது அரசியலமைப்புத் திருத்தச் சட்டத்தின் மூலம் அரசியலமைப்பில் சேர்க்கப்பட்டது?

- Ans
- ☐ A. இயற்கை சூழலை அழியாது காக்கவும் மேம்படுத்தவும்
 - ☒ B. ஆறு முதல் பதினான்கு வயதுக்குட்பட்ட ஒரு சிறார்களுக்கோ அல்லது நேர்விற்கேற்ப காப்பில் உள்ளவர்களுக்கு கல்விக்கான வாய்ப்புகளை வழங்குதல்.
 - ☐ C. அறிவியல் மனப்பான்மையை வளர்த்தல்
 - ☐ D. நமது கலப்புருவான பண்பாட்டின் வளமார்ந்த மரபுச் செல்வத்தை மதித்து பாதுகாத்தல்

Section : General Intelligence and Reasoning

Q.71 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ A. NJM
 - ☐ B. HDG
 - ☒ C. KGI
 - ☐ D. EAD

Q.72 Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. G sits to the immediate right of L. Only three people sit between O and M when counted from the left of O. Only three people sit between L and Q when counted from the right of Q. F is an immediate neighbor of Q as well as M. How many people sit between H and O when counted from the right of H?

- Ans
- ☐ A. Four
 - ☐ B. Three
 - ☐ C. One
 - ☒ D. Two

Q.73 What should come in place of the '?' in the given series?

156 180 228 300 ? 516

- Ans**
- ☐ A. 376
 - ☐ B. 402
 - ☐ C. 382
 - ☒ D. 396

Q.74 Seven boxes, G, H, I, J, Q, R and S, are kept one over the other, but not necessarily in the same order.
Only four boxes are kept between S and H. Only Q is kept above S. Only two boxes are kept between J and R. G is kept immediately above I. R is not kept immediately above G. How many boxes are kept above R?

- Ans**
- ☐ A. Four
 - ☐ B. Two
 - ☐ C. Three
 - ☒ D. Five

Q.75 Refer to the following letter series and answer the question. (Counting to be done from left to right only.)

(Left) G L Y N J Z U Q M F D E U S A B Y D V X P (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans**
- ☐ A. Two
 - ☐ B. None
 - ☐ C. Three
 - ☒ D. One

Q.76 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only three boxes are kept above C. Only one box is kept between F and C. Only three boxes are kept between F and E. E is kept at some place above C. G is kept immediately below E. B is kept at one of the places above D. A is not kept immediately above or below F. How many boxes are kept between B and G?

- Ans**
- ☐ A. 4
 - ☒ B. 1
 - ☐ C. 3
 - ☐ D. 2

Q.77 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 11, 266)
(26, 13, 340)

- Ans**
- ☐ A. (13, 8, 104)
 - ☐ B. (27, 11, 295)
 - ☒ C. (25, 9, 227)
 - ☐ D. (23, 12, 274)

Q.78 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MDG 36, PGK 40, SJO 44, VMS 48, ?

- Ans**
- ☒ A. YPW 52
 - ☐ B. XOY 54
 - ☐ C. XPV 52
 - ☐ D. YOW 54

Q.79 Riya starts from Point A and drives 4 km towards the south. She then takes a left turn, drives 8 km, turns left and drives 6 km. She then takes a left turn and drives 9 km. She takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 4 km to the west
 - ☐ B. 3 km to the west
 - ☒ C. 1 km to the east
 - ☐ D. 2 km to the east

Q.80 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

**MLJ-LKI
XWU-WVT**

- Ans**
- ☐ A. FDA-EDB
 - ☐ B. FDA-DCA
 - ☐ C. FEC-DDA
 - ☒ D. FEC-EDB

Q.81 Each vowel in the word MELODIA is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. Zero
 - ☐ B. Three
 - ☐ C. Two
 - ☐ D. One

Q.82 GILF is related to NPSM in a certain way based on the English alphabetical order. In the same way, JLOI is related to QSVP. To which of the following is MORL related, following the same logic?

- Ans**
- ☐ A. TVSY
 - ☐ B. VTSY
 - ☐ C. VTYS
 - ☒ D. TVYS

Q.83 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$28 - 13 + 17 \div 43 \times 43 = ?$$

- Ans**
- ☒ A. 24
 - ☐ B. 22
 - ☐ C. 26
 - ☐ D. 25

Q.84 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).
Statements: All eggs are kings. Some kings are tickets.
Conclusion (I): All tickets are eggs.
Conclusion (II): Some eggs are tickets.

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (I) follows

Q.85 In a certain code language, 'FILE' is coded as '4128' and 'LIME' is coded as '1268'. What is the code for 'M' in the given code language?

- Ans**
- ☒ A. 6
 - ☒ B. 2
 - ☒ C. 1
 - ☒ D. 8

Q.86 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
BHP 16 LRZ 25 VBJ 36 FLT 49 ?

- Ans**
- ☒ A. LCS 64
 - ☒ B. UDN 81
 - ☒ C. PVD 64
 - ☒ D. LXE 81

Q.87 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:
Some apples are baskets. All baskets are drums.
Conclusions:
(I) Some drums are apples.
(II) No drum is an apple.

- Ans**
- ☒ A. Only conclusion (I) follows
 - ☒ B. Both conclusions (I) and (II) follow
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (II) follows

Q.88 In a certain code language,

J – K means 'J is the father of K',
J + K means 'J is the mother of K',
J x K means 'J is the brother of K' and
J ÷ K means 'J is the sister of K'.

Based on the above, how is M related to R if 'M x N ÷ O + P – Q x R'?

- Ans**
- ☒ A. Mother's mother's brother
 - ☒ B. Father's mother's brother
 - ☒ C. Husband's mother's brother
 - ☒ D. Husband's father's brother

Q.89 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 621453, what will be the sum of all even digit in the new number thus formed?

- Ans**
- ☒ A. 6
 - ☐ B. 8
 - ☐ C. 2
 - ☐ D. 4

Q.90 In a certain code language, 'FIRE' is coded as '5279' and 'FEAR' is coded as '5427'. What is the code for 'A' in the given code language?

- Ans**
- ☐ A. 5
 - ☐ B. 7
 - ☒ C. 4
 - ☐ D. 2

Q.91 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. TVR
 - ☒ B. FHE
 - ☐ C. OQM
 - ☐ D. KMI

Q.92 What should come in place of the '?' in the given series?

11 29 51 81 123 ?

- Ans**
- ☐ A. 185
 - ☐ B. 195
 - ☐ C. 190
 - ☒ D. 181

Q.93 Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north. Only three people sit to the left of R. Only G sits to the right of E. Only three people sit between E and A. I sits at some place to the left of T but at some place to the right of N. How many people sit between N and T?

- Ans**
- ☐ A. Four
 - ☒ B. Three
 - ☐ C. Two
 - ☐ D. One

Q.94 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AVZ BWA CXB DYC ?

- Ans**
- ☒ A. EZD
 - ☐ B. WKF
 - ☐ C. MDP
 - ☐ D. LPR

Q.95 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 7 5 3 1 5 9 6 2 4 1 5 8 9 6 5 2 1 4 2 5 8 7 6 3 2 5 9 8 5 4 1 5 9 6 2 3 6 5 4 8 7 5 9 8 7 4 1
5 9 7 5 2 6 (Right)
How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans
- ☒ A. 7
 - ☒ B. 9
 - ☒ C. 13
 - ☒ D. 11

Q.96 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
TNM : XPJ
URL : YTI

- Ans
- ☒ A. FUS : JWQ
 - ☒ B. EDO : IFK
 - ☒ C. LQX : PTU
 - ☒ D. HMK : LOH

Q.97 If 'P' stands for '+', 'Q' stands for 'x', 'R' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$24 \text{ D } 32 \text{ P } 8 \text{ R } 26 \text{ Q } 2 \text{ D } 54 = ?$$

- Ans
- ☒ A. 24
 - ☒ B. 48
 - ☒ C. 6
 - ☒ D. 18

Q.98 Six boxes, Q, R, S, T, U and W, are kept one over the other, but not necessarily in the same order.
Only one box is kept between U and R. Only S is kept above W. No box is kept below R. T is kept at some place below Q.
Which box is kept immediately above T?

- Ans
- ☒ A. Q
 - ☒ B. U
 - ☒ C. W
 - ☒ D. R

Q.99 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ A. OM-TQ
 - ☒ B. MK-RO
 - ☒ C. SQ-XV
 - ☒ D. QO-VS

Q.100 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

Based on the above, how is S related to K if 'S - D x F + H ÷ K'?

- Ans
- ☒ A. Brother's wife's father
 - ☒ B. Brother's wife's brother
 - ☒ C. Wife's father
 - ☒ D. Wife's brother

Railway BABA



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	14/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 The price of an item is increased by 15% and then by 20%. Now the price of the item is decreased so that the overall effective increment in the price is 5%. The price is decreased approximately by ____%.

- Ans
- ☒ A. 23.19
 - ☒ B. 21.93
 - ☒ C. 23.91
 - ☒ D. 21.39

Q.2 Arpit buys 3 bed sheets for ₹3,951. He sells the first at a profit of ₹300, the second at a loss of ₹50, and the third at a profit of ₹200. What is the overall profit or loss percentage?
(Round off your result to two decimal places)

- Ans
- ☒ A. 10.93% loss
 - ☒ B. 10.93% profit
 - ☒ C. 11.39% loss
 - ☒ D. 11.39% profit

Q.3 ₹9,520 is divided among X, Y, and Z in the ratio $\frac{1}{2} : \frac{1}{4} : \frac{5}{16}$. What is the share of Y?

- Ans
- ☒ A. ₹3,200
 - ☒ B. ₹2,240
 - ☒ C. ₹2,600
 - ☒ D. ₹4,000

Q.4 Find the value of $\left(\frac{1}{0.01}\right) \times \left\{\left[\left(\frac{5}{8}\right) + (0.25)\right] \times \left(\frac{4}{5}\right)\right\}$.

- Ans
- ☒ A. 70
 - ☒ B. 0.7
 - ☒ C. 0.8
 - ☒ D. 80

Q.5 At a health club, 40% of the members are women and 60% of the members are men. If the average age of the men is 51 years and the average age of the women is 55 years, what is the average age (in years) of all the members?

- Ans**
- ☐ A. 60.9
 - ☐ B. 59.7
 - ☒ C. 52.6
 - ☐ D. 50.2

Q.6 A bus covers 150 km at 60 km/hr, 120 km at 80 km/hr, and 180 km at 90 km/hr without any stops. What is the average speed of the bus for the entire journey?

- Ans**
- ☐ A. 72 km/hr
 - ☐ B. 70 km/hr
 - ☐ C. 85 km/hr
 - ☒ D. 75 km/hr

Q.7 Two trains are moving in opposite directions at speeds of 36 km/h and 54 km/h. If their lengths are 100 m and 150 m, respectively, how much time will they take to cross each other completely?

- Ans**
- ☐ A. 15 seconds
 - ☐ B. 12 seconds
 - ☐ C. 8 seconds
 - ☒ D. 10 seconds

Q.8 Find the surface area of a sphere of radius 7 cm. (Take $\pi = 22/7$)

- Ans**
- ☐ A. 484 sq cm
 - ☒ B. 616 sq cm
 - ☐ C. 588 sq cm
 - ☐ D. 704 sq cm

Q.9 The average of 6.5, 10.8, 19.9 and a is 18. The value of a is:

- Ans**
- ☐ A. 33.8
 - ☐ B. 36.8
 - ☒ C. 34.8
 - ☐ D. 35.8

Q.10 The price of sugar is increased by 3%. How much percent the consumption of sugar must be reduced so as not to increase the expenditure on sugar? (correct your answer to one decimal place)

- Ans**
- ☐ A. 1.7%
 - ☐ B. 2.6%
 - ☒ C. 2.9%
 - ☐ D. 1.9%

Q.11 The ratio of the age of a father and his son at present is 6:1. After 5 years from now, the ratio will become 7:2. Find the present age of the son.

- Ans**
- ☐ A. 4 years
 - ☐ B. 8 years
 - ☐ C. 7 years
 - ☒ D. 5 years

Q.12 After successive discounts of 15% and 10%, a customer pays ₹3,672. What was the marked price?

- Ans
- ☐ A. ₹4,750
 - ☐ B. ₹4,700
 - ☒ C. ₹4,800
 - ☐ D. ₹4,850

Q.13 If 27 and 81 are the first two terms of a proportion and the third proportional to these numbers is used as the length of a rectangle whose width is 4 units, what is the numeric value of the area of the rectangle?

- Ans
- ☒ A. 972
 - ☐ B. 6561
 - ☐ C. 729
 - ☐ D. 486

Q.14 If $\cos x - \sin x = a$ and $\cos x + \sin x = b$, then the value of $\frac{1 - \tan^2 x}{1 + \tan^2 x}$ is

- Ans
- ☐ A. $a^2 + b^2$
 - ☒ B. ab
 - ☐ C. $a^2 - b^2$
 - ☐ D. $-ab$

Q.15 A new cuboid is formed by placing three cuboids of length 10.5 cm, breadth 6.4 cm, and height 2 cm, one on top of the other. What is the volume of the new cuboid?

- Ans
- ☒ A. 403.2 cm^3
 - ☐ B. 303.2 cm^3
 - ☐ C. 503.2 cm^3
 - ☐ D. 413.2 cm^3

Q.16 The simple interest on a sum is 25% of the sum in 5 years. Find the rate of interest.

- Ans
- ☐ A. 3%
 - ☒ B. 5%
 - ☐ C. 25%
 - ☐ D. 4%

Q.17 A person sold an article at a loss of 10%. Had he sold it for ₹60 more, he would have gained 5%. Find the cost price of the article.

- Ans
- ☒ A. ₹400
 - ☐ B. ₹480
 - ☐ C. ₹420
 - ☐ D. ₹440

Q.18 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 45% and 44% on any number of toys bought.
(B) Successive discounts of 36%, 41% and 45% on any number of toys bought.
(C) 49% discount on the first 4 toys and 19% discount on each toy thereon.
(D) 7 toys free of cost on buying 10 toys.
A customer wants to buy 10 toys. Which of the above schemes is the least beneficial to her?

- Ans
- ☐ A. B
 - ☐ B. D
 - ☒ C. C
 - ☐ D. A

Q.19 What is the smallest number that must be added to 45873 so that the sum is divisible by 11?

- Ans
- ☒ A. 4
 - ☒ B. 6
 - ☒ C. 8
 - ☒ D. 9

Q.20 Two inlet pipes A and B can fill a cistern in 15 hours and 20 hours respectively. An outlet pipe C can empty the cistern in 30 hours. All three pipes are opened together, but the outlet pipe is closed after 5 hours. The total time (in hours) required to fill the cistern completely is

- Ans
- ☒ A. $9\frac{1}{3}$
 - ☒ B. 9
 - ☒ C. 10
 - ☒ D. $9\frac{2}{3}$

Q.21 The sum of the digits of a two digit number is 11. If 27 is added to the number its digits are reversed. Find the ratio between the original number to the number obtained on reversing the digits.

- Ans
- ☒ A. 36:59
 - ☒ B. 47:74
 - ☒ C. 13:17
 - ☒ D. 23:29

Q.22 ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 24$ cm, $BC = 62$ cm, $DC = 92$ cm, and $AD = 95$ cm, then what is the length (in cm) of EF?

- Ans
- ☒ A. 34
 - ☒ B. 29
 - ☒ C. 39
 - ☒ D. 36

Q.23 The simplified value of the expression $0.5^2 \times 5^5 \times 2^{-4} \times 4^4 \times 10^{-3} \div a$ is 1, then the value of a is _____.

- Ans
- ☒ A. 12.5
 - ☒ B. 25
 - ☒ C. 6.25
 - ☒ D. 50

Q.24 Find the value of m which satisfies

$$\left(\frac{14}{5}\right)^{11} \times \left(\frac{5}{14}\right)^{17} \times \left(\frac{14}{5}\right)^{14} = \left(\frac{5}{14}\right)^{3m+7}$$

- Ans
- ☒ A. -25
 - ☒ B. -14
 - ☒ C. -7
 - ☒ D. -5

Q.25 Three numbers are in the ratio 11 : 3 : 2, and their LCM is 2706. Their HCF is:

- Ans
- ☒ A. 41
 - ☒ B. 30
 - ☒ C. 50
 - ☒ D. 82

Q.26 A and B can do a piece of work in 12 days and 18 days, respectively. Both work for 2 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☐ A. 15
 - ☐ B. 14
 - ☒ C. 13
 - ☐ D. 12

Q.27 What is the correct ascending order of the following ratios?

11:15, 23:55, 32:33, 4:11, 26:35

- Ans**
- ☒ A. 4:11, 23:55, 11:15, 26:35, 32:33
 - ☐ B. 4:11, 26:35, 11:15, 23:55, 32:33
 - ☐ C. 4:11, 11:15, 23:55, 26:35, 32:33
 - ☐ D. 4:11, 23:55, 26:35, 11:15, 32:33

Q.28 A sum of ₹10,000 is invested at a compound interest rate of 10% per annum for 2 years, compounded annually. What is the compound interest earned?

- Ans**
- ☐ A. ₹1,900
 - ☐ B. ₹2,000
 - ☐ C. ₹2,200
 - ☒ D. ₹2,100

Q.29 Evaluate $25^3 + (-20)^3 + (-5)^3$

- Ans**
- ☐ A. 7244
 - ☐ B. 7467
 - ☒ C. 7500
 - ☐ D. 7360

Q.30 Meena and her mother visit a shop. The shopkeeper tells them that the price of 5 identical dresses is ₹4,955. Meena buys 9 such dresses. Find the total cost of the 9 dresses.

- Ans**
- ☒ A. ₹8,919
 - ☐ B. ₹8,199
 - ☐ C. ₹8,099
 - ☐ D. ₹8,991

Section : General Awareness

Q.31 At the age of 92, Paul Biya became the world's oldest head of state after winning his eighth presidential term in October 2025. He is the president of which of the following countries?

- Ans**
- ☐ A. Chad
 - ☐ B. Nigeria
 - ☐ C. Sudan
 - ☒ D. Cameroon

Q.32 Under the proposed Budget, what is the fiscal deficit target for FY 2025-26?

- Ans**
- ☐ A. 6.2% of GDP
 - ☐ B. 5.0% of GDP
 - ☒ C. 4.4% of GDP
 - ☐ D. 3.8% of GDP

Q.33 Which of the following celebrated Sanskrit poets and playwrights was one of the Navaratnas in the court of Chandragupta II?

- Ans**
- ☐ A. Bhasa
 - ☒ B. Kalidasa
 - ☐ C. Bana
 - ☐ D. Bhavabhuti

Q.34 What type of joint allows the widest range of movement, including medial and lateral rotation, as in the shoulder and hip?

- Ans**
- ☐ A. Pivot Joint
 - ☒ B. Ball and Socket Joint
 - ☐ C. Hinge Joint
 - ☐ D. Gliding Joint

Q.35 Which process mainly helps in the formation of V-shaped valleys in mountainous regions?

- Ans**
- ☒ A. River erosion
 - ☐ B. Wave action
 - ☐ C. Glacier movement
 - ☐ D. Wind erosion

Q.36 Which of the following organizations publishes the annual World Report 2025 reviewing global human rights practices?

- Ans**
- ☒ A. Human Rights Watch
 - ☐ B. Amnesty International
 - ☐ C. United Nations Human Rights Council
 - ☐ D. International Criminal Court

Q.37 What modification was made to Article 171(1) of the Indian Constitution by the seventh amendment?

- Ans**
- ☐ A. Term "one-fourth" was replaced with "one-half"
 - ☐ B. Term "one-third" was replaced with "one-fourth"
 - ☒ C. Term "one-fourth" was replaced with "one-third"
 - ☐ D. Term "one-half" was replaced with "one-fourth"

Q.38 In which of the following states is the Ambubachi Mela held every year during the monsoon?

- Ans**
- ☐ A. Jharkhand
 - ☐ B. Bihar
 - ☒ C. Assam
 - ☐ D. Chhattisgarh

Q.39 Shi Yuqi, who won the men's singles final at the BWF World Championships held at Paris in August 2025, belongs to which country?

- Ans**
- ☐ A. Indonesia
 - ☐ B. Japan
 - ☐ C. Malaysia
 - ☒ D. China

Q.40 The word "Social Welfare" is primarily mentioned in which of the following Directive Principle of state policy?

- Ans**
- ✔ A. Article 38
 - ✗ B. Article 40
 - ✗ C. Article 41
 - ✗ D. Article 42

Q.41 Which Article of the Indian constitution provides for Council of Ministers to aid and advise the President in the exercise of his powers?

- Ans**
- ✗ A. Article 64
 - ✗ B. Article 94
 - ✗ C. Article 84
 - ✔ D. Article 74

Q.42 On April 9, 2025, the Reserve Bank of India's Monetary Policy Committee (MPC) announced a cut in the repo rate by:

- Ans**
- ✗ A. 100 basis points
 - ✗ B. 50 basis points
 - ✔ C. 25 basis points
 - ✗ D. 75 basis points

Q.43 The Naval Anti-Ship missile (**NASM-SR**), tested in February 2025, has what special feature?

- Ans**
- ✔ A. Man-in-loop retargeting via infrared seeker
 - ✗ B. Nuclear warhead
 - ✗ C. Underwater launch capability
 - ✗ D. Laser guidance from space

Q.44 Who is traditionally regarded as the author of the classical Tamil work 'Tirukkural'?

- Ans**
- ✗ A. Ilango Adigal
 - ✗ B. Avvaiyar
 - ✔ C. Thiruvalluvar
 - ✗ D. Kambar

Q.45 Which dancer given below, honoured with the Nritya Natak Sangeet Drishya Kala Akademy Award from the Government of West Bengal, is known for expertise in both Bharatanatyam and Mohiniyattam?

- Ans**
- ✗ A. Radha Reddy
 - ✔ B. Thankamani Kutty
 - ✗ C. Elam Endira Devi
 - ✗ D. Aruna Mohanty

Q.46 Why does iron replace copper when an iron nail is dipped in copper sulphate solution?

- Ans**
- ✗ A. Copper is insoluble in water
 - ✗ B. Iron is less reactive
 - ✗ C. Both are equally reactive
 - ✔ D. Iron is more reactive

Q.47 Which branch of the monsoon brings rainfall to India's Western Coast?

- Ans**
- ☒ A. South-West Monsoon Arabian Sea branch
 - ☐ B. North-East Monsoon
 - ☐ C. Western Disturbances
 - ☐ D. South-West Monsoon Bay of Bengal branch

Q.48 Which of the following northern state crops is an example of Rabi crops?

- Ans**
- ☐ A. Cotton
 - ☐ B. Rice
 - ☐ C. Bajra
 - ☒ D. Wheat

Q.49 At the 57th meeting of the Monetary Policy Committee (MPC) of the RBI held from 29 September to 1 October 2025, what decision was taken on the policy repo rate and stance?

- Ans**
- ☒ A. Repo rate kept at 5.50% with a neutral monetary policy stance
 - ☐ B. Repo rate hiked to 6.00% with a hawkish monetary policy stance
 - ☐ C. Repo rate kept at 5.00% with a calibrated tightening stance
 - ☐ D. Repo rate cut to 4.50% with an accommodative stance

Q.50 When was the Congress Socialist Party (CSP) formed within the Indian National Congress?

- Ans**
- ☐ A. 1952
 - ☐ B. 1947
 - ☐ C. 1942
 - ☒ D. 1934

Q.51 According to the Ministry of Statistics and Programme Implementation (MoSPI), the Unemployment Rate (UR) for persons aged 15 years and above declined to _____ in November 2025.

- Ans**
- ☐ A. 4.4%
 - ☐ B. 4.6%
 - ☐ C. 4.5%
 - ☒ D. 4.7%

Q.52 The early Iron Age in North India is most prominently associated with which pottery culture?

- Ans**
- ☒ A. Painted Grey Ware and Northern Black Polished Ware
 - ☐ B. Painted Grey Ware and Black-and-Red Ware
 - ☐ C. Ochre Coloured Pottery and Black Slipped Ware
 - ☐ D. Northern Black Polished Ware and Red Ware

Q.53 Canal irrigation in India is most extensively developed in areas with:

- Ans**
- ☐ A. Coastal sandy soil
 - ☐ B. Desert regions with rocky terrain
 - ☒ C. Alluvial plains with perennial rivers
 - ☐ D. High rainfall and steep slope

Q.54 A student mixes aqueous solutions of barium chloride and sodium sulphate. A white curd-like substance forms instantly. What type of chemical reaction is primarily responsible for this observation?

- Ans**
- ☐ A. Evolution of SO_2 gas during a displacement reaction
 - ☐ B. Redox reaction resulting in electron transfer
 - ☐ C. Decomposition of sodium sulphate by barium chloride catalyst
 - ☒ D. Precipitation reaction forming insoluble barium sulphate

Q.55 The Eleventh Scheduled of the Constitution places how many functions within the purview of the Panchayati Raj bodies?

- Ans**
- ☒ A. 29
 - ☐ B. 32
 - ☐ C. 23
 - ☐ D. 35

Q.56 Globalisation of the Indian economy has NOT resulted in which of the following?

- Ans**
- ☐ A. Increased Consumer Choice
 - ☐ B. Technological Advancement
 - ☐ C. Global Integration
 - ☒ D. Negative Cultural Impact

Q.57 Which achievement is correctly attributed to Vallabhbhai Patel during the freedom struggle?

- Ans**
- ☒ A. Leading the Bardoli Satyagraha that established him as the "Sardar"
 - ☐ B. Organising the Punjab protests during the anti-Rowlatt agitations
 - ☐ C. Commanding the INA forces during the Burma campaign
 - ☐ D. Drafting the Lucknow Pact to unite moderates and extremists

Q.58 Which computing pioneer is credited with the concept of the "stored program architecture" (where both program instructions and data are held in the same memory), a design that forms the basis of nearly all modern computers?

- Ans**
- ☐ A. Blaise Pascal
 - ☐ B. Alan Turing
 - ☐ C. Charles Babbage
 - ☒ D. John von Neumann

Q.59 In September 2025, what principle did the Supreme Court affirm in *Competition Commission of India v. Kerala Film Exhibitors Federation*?

- Ans**
- ☐ A. CCI may impose only monetary fines on enterprises
 - ☐ B. CCI orders need prior clearance from the Union Cabinet
 - ☐ C. CCI may drop cases against trade bodies at its discretion
 - ☒ D. CCI may impose remedies and fix liability on office-bearers

Q.60 Which of the following is an animal that belongs to the Tundra type of natural vegetation?

- Ans**
- ☐ A. Iberian Lynx
 - ☐ B. Jackal
 - ☒ C. Walrus
 - ☐ D. Desert horned viper

Q.61 Which of the following initiatives is primarily focused on enhancing road connectivity through expressways and economic corridors?

- Ans**
- ✔ A. Bharatmala Pariyojana
 - ✗ B. Smart Cities Mission
 - ✗ C. PM Gati Shakti
 - ✗ D. Sagarmala Programme

Q.62 Which is the main difference between Sleep and Hibernate modes in Windows 11?

- Ans**
- ✗ A. Hibernate keeps programs open on the screen.
 - ✗ B. Sleep saves data on hard disk; Hibernate saves in RAM.
 - ✗ C. Sleep completely shuts down the system.
 - ✔ D. Sleep uses more power than Hibernate.

Q.63 Modern telecommunication systems use optical fibres to transmit data efficiently. Which optical phenomenon enables this high-speed data transmission?

- Ans**
- ✗ A. Refraction of light
 - ✔ B. Total Internal Reflection
 - ✗ C. Interference of light
 - ✗ D. Dispersion of light

Q.64 According to the International Renewable Energy Agency (IRENA) RE Statistics 2025, India holds the 3rd global rank in the **installed capacity** of which renewable energy category?

- Ans**
- ✗ A. Wind Power
 - ✔ B. Solar Power
 - ✗ C. Bio Power
 - ✗ D. Hydropower

Q.65 Why were the early Congress leaders described as “Moderates” during the period 1885–1905?

- Ans**
- ✔ A. They adopted constitutional methods such as petitions and discussions to seek political reforms.
 - ✗ B. They rejected council participation and insisted on mass mobilisation to secure wider reforms.
 - ✗ C. They pursued immediate self-rule through direct political confrontation with colonial authorities.
 - ✗ D. They supported organised resistance through secret groups to push for administrative changes.

Q.66 Which case recognised judicial review as part of the basic structure?

- Ans**
- ✗ A. Minerva Mills case
 - ✗ B. Indra Sawhney case
 - ✗ C. Menaka Gandhi case
 - ✔ D. Keshavananda Bharati case

Q.67 Which of the following compositions in Hindustani music is especially associated with Sufi devotional music?

- Ans**
- ✗ A. Dhrupad
 - ✗ B. Tappa
 - ✗ C. Tarana
 - ✔ D. Qawwali

Q.68 Which of the following is the correct full form of CD?

- Ans**
- ✔ A. Compact Disk
 - ✗ B. Central Data
 - ✗ C. Control Disk
 - ✗ D. Computer Drive

Q.69 According to the Constitution of India, the 'Right to Equality' is guaranteed under which exact set of five consecutive Articles?

- Ans**
- ☐ A. Articles 12, 13, 14, 15 and 16
 - ☐ B. Articles 23, 24, 25, 26 and 27
 - ☐ C. Articles 19, 20, 21, 22 and 23
 - ☒ D. Articles 14, 15, 16, 17 and 18

Q.70 Which computer application enables real-time inventory tracking using automated identification?

- Ans**
- ☐ A. Presentation software
 - ☐ B. Email-based notification
 - ☐ C. OCR-based text editing
 - ☒ D. RFID-driven supply chain systems

Section : General Intelligence and Reasoning

Q.71 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 7213546, what will be difference between the highest and lowest digits in the number thus formed?

- Ans**
- ☒ A. 9
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 7

Q.72 Each of the digits in the number 9342156 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. None
 - ☐ B. One
 - ☐ C. Three
 - ☐ D. Two

Q.73 What should come in place of '?' in the given series?

37 57 81 109 141 177 ?

- Ans**
- ☐ A. 205
 - ☐ B. 211
 - ☒ C. 217
 - ☐ D. 214

Q.74 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. ON - QP
 - ☒ B. UT - WX
 - ☐ C. SR - UT
 - ☐ D. LK - NM

Q.75 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) O K I Y C R L U K V I E H L Y V O N Q O S Z (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans
- ☒ A. 3
 - ☒ B. 2
 - ☒ C. 4
 - ☒ D. 1

Q.76 Each of the digits in the number 3164857 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- Ans
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 10
 - ☒ D. 12

Q.77 Seven people, N, H, C, D, E, R and G, are sitting in a row, facing north. Only one person sits to the left of R. G sits fourth from the right end. Only two people sit between R and E. D sits to the immediate left of N. H does not sit to the left of C. How many people sit between C and D?

- Ans
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. One

Q.78 Bablu is the husband of Chetna. Anita is the daughter of Bablu. Ekam is the brother of Anita. Manu is the son of Anita. Kunal is the brother of Manu. How is Chetna related to Kunal?

- Ans
- ☒ A. Mother's mother
 - ☒ B. Daughter
 - ☒ C. Father's mother
 - ☒ D. Mother

Q.79 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only G is kept above A. Only two boxes are kept between A and C. Only D is kept below E. F is not kept immediately above C. How many boxes are kept between E and F?

- Ans
- ☒ A. 4
 - ☒ B. 2
 - ☒ C. 3
 - ☒ D. 1

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HEP 27, MCN 41, RAL 55, WYJ 69, ?

- Ans
- ☒ A. CVH 83
 - ☒ B. BXG 81
 - ☒ C. BWH 83
 - ☒ D. AWG 81

Q.81 Seven boxes, U, V, W, X, A, B and C, are kept one over the other, but not necessarily in the same order.
Only U is kept below W. Only A is kept between V and X. Only C is kept between B and X. Box B is kept at the top-most position.
Which box is kept at the third position from the bottom?

- Ans** ☒ A. V
☐ B. X
☐ C. C
☐ D. A

Q.82 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ZQF 19 , DUJ 28 , HYN 37 , LCR 46 , ?

- Ans** ☒ A. PGV 55
☐ B. QFU 60
☐ C. QHU 57
☐ D. RFW 52

Q.83 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Corns are Cauliflowers. No Cauliflowers are Spinaches.

Conclusion (I): No Spinaches are Corns.

Conclusion (II): Some Spinaches are Corns.

- Ans** ☐ A. Neither conclusion (I) nor (II) follows
☒ B. Only conclusion (I) follows
☐ C. Only conclusion (II) follows
☐ D. Both conclusions (I) and (II) follow

Q.84 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ A. GKN
☒ B. QNJ
☐ C. BFI
☐ D. PTW

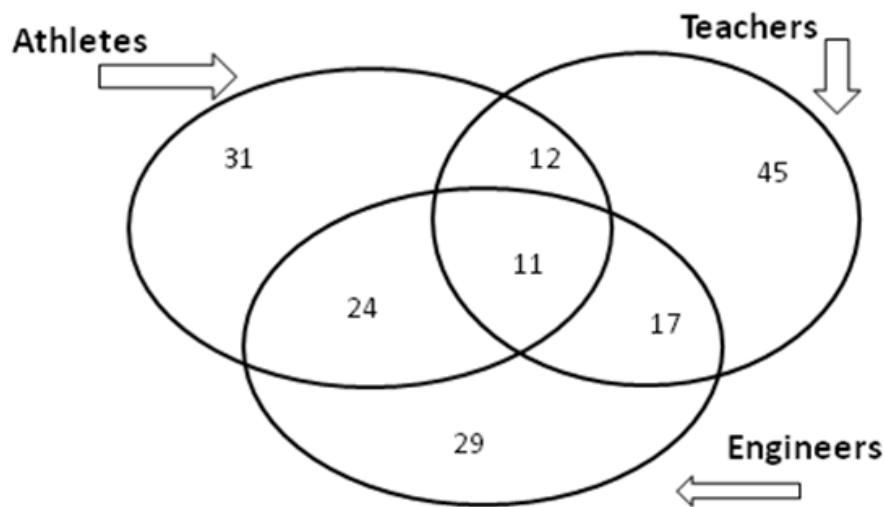
Q.85 HI 26 is related to FF 11 in a certain way. In the same way, MG 22 is related to KD 7. To which of the following is KF 14 related, following the same logic?

- Ans** ☐ A. HC -1
☐ B. IB -3
☒ C. IC -1
☐ D. HB -3

Q.86 R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table. D sits third to the left of R. A sits second to the left of G. Only R sits between I and A. E is not an immediate neighbor of D.
How many people sit between N and A when counted from the right of N?

- Ans** ☒ A. Two
☐ B. Four
☐ C. One
☐ D. Three

- Q.87 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons in a room. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)



How many such engineers are there who are also athletes but not teachers?

- Ans ☒ A. 24
☒ B. 35
☒ C. 23
☒ D. 28

- Q.88 What should come in place of the question mark (?) in the given series?

17 40 61 80 97 112 ?

- Ans ☒ A. 125
☒ B. 130
☒ C. 127
☒ D. 122

- Q.89 In a certain code language,
 $A @ B$ means 'A is the mother of B',
 $A \times B$ means 'A is the wife of B',
 $A + B$ means 'A is the brother of B' and
 $A \div B$ means 'A is the father of B'.

How is S related to H if ' $S \times D + R \div Y @ H$ '?

- Ans ☒ A. Mother's father's brother's wife
☒ B. Father's brother's wife
☒ C. Brother's wife
☒ D. Mother's father's brother's daughter

- Q.90 Kiran starts from Point A and drives 23 km towards the north. She then takes a right turn, drives 9 km, turns right and drives 31 km. She then takes a right turn and drives 17 km. She takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans ☒ A. 9 km to the west
☒ B. 8 km to the west
☒ C. 8 km to the east
☒ D. 9 km to the east

Q.91 Seven boxes X, Y, Z, W, V, U and T are kept one over the other but not necessarily in the same order. Y is placed at the bottommost position. Exactly three boxes are kept between T and W. W is kept on one of the positions above T. Box U is kept immediately above Z. Box X is kept immediately below W. Box V is kept immediately above W. Which box is second from the bottom?

Ans  A. U
 B. T
 C. V
 D. W

Q.92 JS 12 is related to MO -3 in a certain way. In the same way, LW 9 is related to OS -6. To which of the following is BT 6 related, following the same logic?

Ans  A. EP -9
 B. TR 10
 C. PT -11
 D. YT 8

Q.93 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

EV21 IS33 MP45 QM57 ?

Ans  A. UJ69
 B. VK71
 C. UK71
 D. VJ69

Q.94 In a certain code language, "VINP" is coded as "61" and "FSKA" is coded as "85". What is the code for "TOYG" in the given language?

Ans  A. 63
 B. 61
 C. 55
 D. 69

Q.95 Refer to the following letter series and answer the question. (Counting to be done from left to right only.)

(Left) E S I C X Z O W G U K A Q D F T B Y M R H (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

Ans  A. 3
 B. 2
 C. 1
 D. 4

Q.96 Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans  A. HKO
 B. ZCG
 C. BEI
 D. VZC

Q.97 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(99, 103, 111)

(157, 161, 169)

Ans ☒ A. (208, 212, 220)

☐ B. (323, 328, 336)

☐ C. (112, 117, 125)

☐ D. (196, 198, 206)

Q.98 In a certain code language, 'MAKI' is coded as '2468' and 'MASK' is coded as '2496'. What is the code for 'S' in the given code language?

Ans ☐ A. 8

☒ B. 9

☐ C. 4

☐ D. 2

Q.99 RS 4 is related to UR -11 in a certain way. In the same way, IJ 8 is related to LI -7. To which of the following is MN 12 related, following the same logic?

Ans ☐ A. HY -7

☐ B. MK -4

☐ C. IO -5

☒ D. PM -3

Q.100 Refer to the following letter series and answer the question that follows.

(Left) X P S A D U G L O E J F K I M C R T Q (Right)

How many vowels are there in the English alphabetical series between the letter which is third from the right end and fifth from the left end of the series?

Ans ☐ A. Two

☐ B. More than one

☒ C. Three

☐ D. One



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	14/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 The sides of a rectangular field are 55 m and 70 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?

(Take $\pi = \frac{22}{7}$)

- Ans
- ☒ A. 197
 - ☒ B. 174
 - ☒ C. 220
 - ☒ D. 181

Q.2 Evaluate $22^3 + (-18)^3 + (-4)^3$

- Ans
- ☒ A. 4617
 - ☒ B. 4800
 - ☒ C. 4752
 - ☒ D. 4819

Q.3 4 years ago, the age of Shyam was seven times the age of his son, Rajat. After 8 years, Shyam's age will be three times the age of Rajat. Find the present age of Shyam .

- Ans
- ☒ A. 46 years
 - ☒ B. 38 years
 - ☒ C. 45 years
 - ☒ D. 42 years

Q.4 A delivery rider travels from Warehouse A to Store B, a distance of 48 km, at a speed of 32 km/hr. On the return journey along the same route, due to traffic, he travels at a speed of 24 km/hr. What is the rider's average speed for the entire trip? (Round off up to two decimal places.)

- Ans
- ☒ A. 23.74 km/hr
 - ☒ B. 24.56 km/hr
 - ☒ C. 26.85 km/hr
 - ☒ D. 27.43 km/hr

Q.5 A train overtakes two runners moving in the same direction at speeds of 5 km/h and 7 km/h, passing them completely in 18 seconds and 20 seconds, respectively. What is the length of the train (in metres)?

- Ans**
- ☐ A. 90
 - ☐ B. 70
 - ☐ C. 80
 - ☒ D. 100

Q.6 Which of the following is a pair of co-primes?

- Ans**
- ☐ A. 44 and 99
 - ☒ B. 25 and 36
 - ☐ C. 42 and 56
 - ☐ D. 27 and 36

Q.7 A tank is filled by two pipes, A and B, and emptied by a third pipe C. Pipe A fills the tank in 10 hours and pipe B in 15 hours. Pipe C empties it in 20 hours. If all three pipes are opened together, and pipe C is closed after 4 hours, how much total time will it take to fill the tank?

- Ans**
- ☐ A. 8.2 hours
 - ☒ B. 7.2 hours
 - ☐ C. 8 hours
 - ☐ D. 7.5 hours

Q.8 The marked price of an article is ₹500. During a sale, its price is reduced to ₹450. What is the percentage decrease in price?

- Ans**
- ☐ A. 12%
 - ☒ B. 10%
 - ☐ C. 5%
 - ☐ D. 8%

Q.9 From the top of a cliff 80 meters high, the angles of depression of two ships in the same direction are 30° and 60° . Find the distance between the ships (rounded off to two decimal places).

- Ans**
- ☐ A. 92.78 meters
 - ☐ B. 92.18 meters
 - ☐ C. 92.58 meters
 - ☒ D. 92.38 meters

Q.10 A shopkeeper marks the price of sugar 24% above the cost price and gives a discount of 18%, but uses a weight of 800 grams instead of 1 kg. Find his overall profit percentage.

- Ans**
- ☐ A. 25.4%
 - ☐ B. 28%
 - ☐ C. 26%
 - ☒ D. 27.1%

Q.11

Find the value of $\left\{ \frac{(3)^{-5} \times (8)^5 \times (125)^3 \times (36)^3}{(100)^4 \times 256 \times 216 \times (2)^2} \right\}$.

Ans

- ☐ A. $\frac{2}{7}$
- ☒ B. $\frac{5}{9}$
- ☐ C. $\frac{3}{8}$
- ☐ D. $\frac{4}{5}$

Q.12

Find the mean proportional between $(2 + \sqrt{3})$ and $(10 - \sqrt{75})$.

Ans

- ☐ A. $2 + \sqrt{3}$
- ☐ B. $\sqrt{2}$
- ☒ C. $\sqrt{5}$
- ☐ D. $\sqrt{3}$

Q.13

Find the least value of $(4K^2 + 2M)$ for which the five digits number 7KM93 is divisible by 9.

Ans

- ☒ A. 16
- ☐ B. 12
- ☐ C. 27
- ☐ D. 14

Q.14

Nitin sells two articles for ₹2,973 each with no profit, no loss in the entire transaction. If one article was sold at a gain of 50%, then the other article is sold at a loss of:

Ans

- ☐ A. 26%
- ☐ B. 22%
- ☐ C. 27%
- ☒ D. 25%

Q.15

Simplify: $\left(\frac{\sqrt[3]{4096}}{\sqrt[4]{10000}} \right) \times \frac{5}{48} \times 186$

Ans

- ☐ A. 36
- ☐ B. 30
- ☐ C. 29
- ☒ D. 31

Q.16

X, Y, and Z enter into a partnership. X invests ₹60,000 for 12 months, Y invests ₹80,000 for 6 months, and Z invests ₹1,20,000 for 4 months. If the total profit is ₹77,000, what is the share of Z?

Ans

- ☒ A. ₹22,000
- ☐ B. ₹20,000
- ☐ C. ₹24,000
- ☐ D. ₹18,000

Q.17 A shirt originally costing ₹800 is first decreased by 30% and then increased by 15%. What is its new price?

- Ans**
- ☐ A. ₹750
 - ☐ B. ₹714
 - ☒ C. ₹644
 - ☐ D. ₹680

Q.18 Find the rate of interest at which the simple interest on ₹15,000 for 4 years is ₹3,600.

- Ans**
- ☐ A. 7%
 - ☐ B. 5%
 - ☐ C. 4%
 - ☒ D. 6%

Q.19 An article marked at ₹1,250 is sold at two successive discounts such that the selling price becomes ₹900. If the first discount is 20%, what is the second discount?

- Ans**
- ☒ A. 10%
 - ☐ B. 15%
 - ☐ C. 8%
 - ☐ D. 12%

Q.20 Two taps can fill a cistern in 4 hours and 22 hours, respectively. A third tap can empty it in 22 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 1
 - ☐ D. 3

Q.21 A cylindrical tank has a diameter of 12 m and a height of 10 m. If the tank is closed at both ends, what is the ratio of its curved surface area to its total surface area?

- Ans**
- ☐ A. 4:7
 - ☒ B. 5:8
 - ☐ C. 3:5
 - ☐ D. 2:5

Q.22 Find the mean of the following data.

Class interval	0-8	8-16	16-24	24-32	32-40	40-48
Frequency	4	6	7	3	12	8

- Ans**
- ☐ A. 29.3
 - ☐ B. 30.5
 - ☒ C. 27.4
 - ☐ D. 25.2

Q.23 The largest four-digit number which when divided by 10, 11 and 8 leaves remainder 7 in each case is:

- Ans**
- ☒ A. 9687
 - ☐ B. 9398
 - ☐ C. 9557
 - ☐ D. 9978

Q.24 Simplify: $\frac{340}{17} \times \frac{156}{13} + \frac{1484}{28} - \frac{14}{10}$

- Ans
- ☐ A. 281.6
 - ☐ B. 271.6
 - ☐ C. 261.6
 - ☒ D. 291.6

Q.25 The original price of a refrigerator was \$1,500. During a clearance sale, it was initially discounted by 30%, followed by an additional 10% discount on the reduced price. What is the total percentage discount applied to the refrigerator?

- Ans
- ☒ A. 37%
 - ☐ B. 30%
 - ☐ C. 40%
 - ☐ D. 35%

Q.26 The average of 12 numbers is 38. If two more numbers 50 and 62 are included, the new average is
(Round off your answer to two decimal places.)

- Ans
- ☒ A. 40.57
 - ☐ B. 41.57
 - ☐ C. 39.57
 - ☐ D. 38.57

Q.27 The measure of an interior angle of a regular polygon is 162° . Find the number of sides of the polygon.

- Ans
- ☐ A. 18
 - ☐ B. 22
 - ☐ C. 12
 - ☒ D. 20

Q.28 The mean proportional between 12 and a number is twice the mean proportional between 9 and 16. Find the number.

- Ans
- ☐ A. 72
 - ☐ B. 56
 - ☒ C. 48
 - ☐ D. 60

Q.29 A shopkeeper sells two types of pens, A and B. The total number of pens sold in a day is 120. The price of pen A is ₹12 each and pen B is ₹8 each. If the total sale amount is ₹1120, how many pens of type A did he sell?

- Ans
- ☒ A. 40
 - ☐ B. 70
 - ☐ C. 80
 - ☐ D. 50

Q.30 Two banks, A and B, offered loans at 3.5% and 6.5% per annum, respectively. Ajay borrowed an amount of ₹2,60,000 from each bank. Find the positive difference between the amounts of simple interest (in ₹) paid to the two banks by Ajay after 2 years.

- Ans
- ☐ A. 15,100
 - ☐ B. 17,100
 - ☐ C. 16,600
 - ☒ D. 15,600

Q.31 As of Union Budget 2025-26, what is the proposed size of the new Fund of Funds for Startups?

- Ans**
- ☐ A. ₹12,000 crore
 - ☐ B. ₹5,000 crore
 - ☒ C. ₹10,000 crore
 - ☐ D. ₹7,500 crore

Q.32 Consider the following statements about Right to Information (RTI) and choose the correct option.
I. RTI has become a weapon to ensure maximum fairness and transparency.
II. RTI Act has also been used to enhance the efficiency of the working of the Consumer Forums.

- Ans**
- ☐ A. Neither I nor II is correct
 - ☐ B. Only I is correct
 - ☒ C. Both I and II are correct
 - ☐ D. Only II is correct

Q.33 Which new industries grew after 1991 due to economic reforms?

- Ans**
- ☐ A. Space and Nuclear
 - ☐ B. Railways and Defence
 - ☒ C. Banking and Information Technology
 - ☐ D. Oil and Gas only

Q.34 Which of the following keyboard shortcuts is used to paste copied content?

- Ans**
- ☒ A. Ctrl + V
 - ☐ B. Ctrl + S
 - ☐ C. Ctrl + F
 - ☐ D. Ctrl + C

Q.35 The largest freshwater lake in India is:

- Ans**
- ☒ A. Wular Lake
 - ☐ B. Dal Lake
 - ☐ C. Chilika Lake
 - ☐ D. Loktak Lake

Q.36 By what percentage did rural road connectivity improve under the Pradhan Mantri Gram Sadak Yojana (PMGSY) between 2000 and 2020, according to the Ministry of Rural Development?

- Ans**
- ☐ A. 55%
 - ☐ B. 65%
 - ☐ C. 40%
 - ☒ D. 80%

Q.37 In 2025, which Caribbean Island nation conferred the Honorary Order of Freedom on Indian Prime Minister Narendra Modi?

- Ans**
- ☐ A. Jamaica
 - ☐ B. Saint Lucia
 - ☐ C. Trinidad and Tobago
 - ☒ D. Barbados

Q.38 Who among the following personalities received the Bharat Ratna in 2008 and is widely famous with his performance in 'Mile Sur Mera Tumhara'?

- Ans**
- ☐ A. Bade Fateh Ali Khan
 - ☐ B. Gangubai Hangal
 - ☐ C. Nayak Gopal
 - ☒ D. Pandit Bhimsen Joshi

Q.39 Swami Vivekananda represented India at which international event in 1893?

- Ans**
- ☒ A. Chicago World's Parliament of Religions
 - ☐ B. London Missionary Conference
 - ☐ C. First Indian National Congress
 - ☐ D. Hague Peace Conference

Q.40 *Karagattam, a popular folk dance of Tamil Nadu performed mainly by women balancing decorated pots, is dedicated to which deity?*

- Ans**
- ☐ A. Goddess Andal
 - ☒ B. Goddess Mariamman
 - ☐ C. Goddess Kamakshi
 - ☐ D. Goddess Meenakshi

Q.41 Which of the following islands of India is closest to the Malabar Coast?

- Ans**
- ☒ A. Lakshadweep
 - ☐ B. Nicobar Islands
 - ☐ C. Diu Island
 - ☐ D. Andaman Islands

Q.42 The Gram Nyayalayas Act was enacted in which of the following years?

- Ans**
- ☒ A. 2008
 - ☐ B. 2002
 - ☐ C. 2006
 - ☐ D. 2005

Q.43 Which of the following countries became a member of the BRICS' New Development Bank in May 2025?

- Ans**
- ☒ A. Algeria
 - ☐ B. Ethiopia
 - ☐ C. Luxembourg
 - ☐ D. Taiwan

Q.44 Which Indian ruler was the first to enter into a Subsidiary Alliance with the British in 1798?

- Ans**
- ☐ A. Maharaja of Jaipur
 - ☐ B. Nawab of Oudh
 - ☒ C. Nizam of Hyderabad
 - ☐ D. Maharaja of Mysore

Q.45 A disk defragmenter rearranges file fragments on a hard drive for faster access. Why is this tool classified as system software rather than application software?

- Ans**
- ☐ A. It requires Internet access to run.
 - ☐ B. It only works on removable media.
 - ☐ C. It is always visible to the user.
 - ☒ D. It primarily maintains and optimizes storage resources, not domain tasks like writing letters.

Q.46 Which of the following machines was designed by Charles Babbage?

- Ans**
- ☐ A. Atanasoff–Berry Computer
 - ☒ B. Analytical Engine
 - ☐ C. UNIVAC
 - ☐ D. ENIAC

Q.47 "The Argumentative Indian," a book discussing Indian history and culture, is authored by:

- Ans**
- ☐ A. Jawaharlal Nehru
 - ☐ B. Shashi Tharoor
 - ☐ C. Ramachandra Guha
 - ☒ D. Amartya Sen

Q.48 The 42nd Amendment placed tribunals under which Part of the Constitution?

- Ans**
- ☒ A. Part XIV-A
 - ☐ B. Part XII
 - ☐ C. Part IX-B
 - ☐ D. Part XV

Q.49 Which of the following sites has yielded Acheulian, Middle and Upper Palaeolithic and Mesolithic levels?

- Ans**
- ☐ A. Chirki-Nevasa in Maharashtra
 - ☐ B. Adamgarh in Madhya Pradesh
 - ☒ C. Bhimbetka Rock Shelters in Madhya Pradesh
 - ☐ D. Paisra in Munger district, Bihar

Q.50 The basic unit of memory used by a computer to store binary data is called a:

- Ans**
- ☐ A. Byte
 - ☒ B. Bit
 - ☐ C. Nibble
 - ☐ D. Word

Q.51 What is a unitary feature of the Constitution of India?

- Ans**
- ☐ A. Bicameral legislature
 - ☒ B. Integrated judiciary
 - ☐ C. Supremacy of the Constitution
 - ☐ D. Dual government

Q.52 Population density is defined as the number of people per:

- Ans**
- ☒ A. Unit of land area
 - ☐ B. Total population
 - ☐ C. Arable land
 - ☐ D. Urban center

Q.53 What is the approximate speed of sound in air at room temperature (approximately 20°C)?

- Ans**
- ☒ A. 343 m/s
 - ☐ B. 5000 m/s
 - ☐ C. 1500 m/s
 - ☐ D. 300 m/s

Q.54 In which of the following media does sound move the fastest at a particular temperature?

- Ans**
- ☐ A. Air
 - ☐ B. Water
 - ☐ C. Vacuum
 - ☒ D. Iron

Q.55 What is the meaning of globalisation?

- Ans**
- ☒ A. Integration of a country's economy with the world economy
 - ☐ B. Expansion of state ownership across major industries
 - ☐ C. Reduction in the volume of international trade
 - ☐ D. Economic isolation of countries from global markets

Q.56 A solution is prepared by dissolving 15 g of salt in 585 g of water. Calculate the mass percent (w/w) of the solution.

- Ans**
- ☒ A. 2.5%
 - ☐ B. 2.1%
 - ☐ C. 0.5%
 - ☐ D. 1.5%

Q.57 Which union ministry primarily organized the national-level celebration for the 150th anniversary of 'Vande Mataram'?

- Ans**
- ☐ A. Ministry of Education
 - ☐ B. Ministry of Youth Affairs and Sports
 - ☒ C. Ministry of Culture
 - ☐ D. Ministry of Home Affairs

Q.58 In March 2026, Jose Antonio Kast took oath as the President of which of the following countries?

- Ans**
- ☐ A. Argentina
 - ☐ B. Brazil
 - ☒ C. Chile
 - ☐ D. Peru

Q.59 Which term in the Preamble indicates that India has an elected head of state, NOT hereditary?

- Ans**
- ☐ A. Sovereign
 - ☒ B. Republic
 - ☐ C. Secular
 - ☐ D. Socialist

Q.60 In a population pyramid, a narrow base and a wider top are most likely to indicate which of the following?

- Ans**
- ☐ A. High birth rates and high death rates
 - ☐ B. Low birth rates and low life expectancy
 - ☐ C. High birth rates and low death rates
 - ☒ D. Low birth rates and high life expectancy

Q.61 Starch, a major component of flour and potatoes, is a **polysaccharide**. What chemical process occurs when starch is heated with water?

- Ans**
- ☒ A. Gelatinization
 - ☐ B. Saponification
 - ☐ C. Caramelization
 - ☐ D. Fermentation

Q.62 How did Sayyid Ahmad Khan's Aligarh Movement differ from the Arya Samaj?

- Ans**
- ☐ A. Aligarh Movement opposed science, while Arya Samaj rejected old scriptures.
 - ☒ B. Aligarh Movement supported Western-style education, while Arya Samaj promoted Vedic studies.
 - ☐ C. Aligarh Movement encouraged priestly control, while Arya Samaj rejected monotheism.
 - ☐ D. Aligarh Movement rejected modern learning, while Arya Samaj discouraged rational thinking.

Q.63 The zone on Earth where no S-waves are detected is known as:

- Ans**
- ☐ A. Seismic belt
 - ☐ B. Epicentral gap
 - ☒ C. Shadow zone
 - ☐ D. Active zone

Q.64 The Fundamental Duties suggested by the Swaran Singh Committee were incorporated through which Constitutional Amendment?

- Ans**
- ☒ A. 42nd Amendment
 - ☐ B. 48th Amendment
 - ☐ C. 44th Amendment
 - ☐ D. 40th Amendment

Q.65 Through which two Indian states will the newly approved Greenfield High-Speed Corridor, sanctioned in April 2025, pass?

- Ans**
- ☐ A. Arunachal Pradesh and Sikkim
 - ☐ B. Manipur and Nagaland
 - ☒ C. Meghalaya and Assam
 - ☐ D. Tripura and Mizoram

Q.66 Where did the Prime Minister of India chair the 7th National Board for Wildlife meeting in March 2025?

- Ans**
- ☐ A. Pench National Park
 - ☒ B. Gir National Park
 - ☐ C. Satpura Tiger Reserve
 - ☐ D. Sariska Tiger Reserve

Q.67 Who commissioned the Konark Sun Temple?

- Ans**
- ☐ A. Chandragupta II
 - ☐ B. Ashoka
 - ☒ C. Narasimhadeva I
 - ☐ D. Harshavardhana

Q.68 The First War of Independence (1857) began at which place?

- Ans**
- ☐ A. Delhi
 - ☒ B. Meerut
 - ☐ C. Kanpur
 - ☐ D. Lucknow

- Q.69** Which of the following is the most important port-based industrial region in India?
- Ans** ☒ A. Chotanagpur plateau region
☒ B. Ahmedabad–Vadodara region
☒ C. Hooghly industrial belt
☒ D. Hyderabad–Bengaluru corridor

- Q.70** What is the first phase of Kerala's Motor Vehicle Department (MVD) child safety rule implementation conducted in October 2024?
- Ans** ☒ A. Social media awareness campaign
☒ B. Enforcement with penalties
☒ C. Distribution of child restraint systems
☒ D. Stopping and warning violators

Section : General Intelligence and Reasoning

- Q.71** Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)
- Ans** ☒ A. BAE
☒ B. RQT
☒ C. AZD
☒ D. EDH

- Q.72** Refer to the following letter series and answer the question. (Counting to be done from left to right only.)
(Left) V A R V Y R A C M W S A I G Z O W V R R F (Right)
- How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?
- Ans** ☒ A. Three
☒ B. One
☒ C. Two
☒ D. None

- Q.73** In a certain code language,
A ^ B means 'A is the mother of B',
A ÷ B means 'A is the daughter of B',
A ! B means 'A is the wife of B', and
A √ B means 'A is the father of B'.
Based on the above, how is T related to Z if 'T √ U ÷ V ^ W ! Z'?
- Ans** ☒ A. Father's brother
☒ B. Brother's son
☒ C. Wife's father
☒ D. Wife's brother

- Q.74** Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
FHI : GBE
KXN : LRJ
- Ans** ☒ A. BNU : CHQ
☒ B. HLP : IFM
☒ C. MHD : NBA
☒ D. FKK : GEH

Q.75 Seven boxes, L, M, N, O, P, Q and R, are kept one over the other, but not necessarily in the same order.
P is kept second from the top. Only three boxes are kept between L and M. N is kept immediately before P. Only M is kept after O. R is kept immediately above O.
How many boxes are kept between Q and M?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Four

Q.76 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DXN HCR LHV PMZ ?

- Ans**
- ☒ A. USC
 - ☒ B. SQE
 - ☒ C. TRD
 - ☒ D. TSC

Q.77 Each vowel in the word BACKLOG is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. K
 - ☒ B. B
 - ☒ C. P
 - ☒ D. J

Q.78 Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only two people sit to the left of O. Only three people sit between O and Z. Only one person sits between Z and D. A sits to the immediate left of J. B is not an immediate neighbor of Z. Who sits immediately to the right of D?

- Ans**
- ☒ A. T
 - ☒ B. B
 - ☒ C. O
 - ☒ D. Z

Q.79 What should come in place of '?' in the given series?

184 164 145 127 110 94 ?

- Ans**
- ☒ A. 83
 - ☒ B. 75
 - ☒ C. 81
 - ☒ D. 79

Q.80 What should come in place of ? in the given series based on the English alphabetical order?

TWY VYA XAC ZCE ?

- Ans**
- ☒ A. BDF
 - ☒ B. BEG
 - ☒ C. BFF
 - ☒ D. BCE

Q.81 Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above E. Only B is kept between E and Q. Only R is kept below C. Only one box is kept between Q and D. How many boxes are kept between S and R?

- Ans
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.82 Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. Only five boxes are kept above D. Only three boxes are kept between D and C. Only four boxes are kept between C and S. Only E is kept between C and B. R is kept at one of the positions above C. How many boxes are kept between Q and S?

- Ans
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Three

Q.83 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$22 \text{ C } 10 \text{ D } 9 \text{ A } 21 \text{ B } 42 = ?$$

- Ans
- ☒ A. 16
 - ☒ B. 12
 - ☒ C. 14
 - ☒ D. 15

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

- Ans
- ☒ A. KM – HA
 - ☒ B. OR-LE
 - ☒ C. BE-YR
 - ☒ D. MP – JC

Q.85 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All diesels are petrol.
Some petrol are fuels.

Conclusions:

(I) No fuel is petrol.
(II) No petrol is diesel.

- Ans
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Only conclusion (I) follows
 - ☒ C. Only conclusion (II) follows
 - ☒ D. Both conclusions (I) and (II) follow

Q.86 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13, 196

17, 324

Ans ☒ A. 21, 400

☒ B. 18, 381

☒ C. 15, 256

☒ D. 19, 361

Q.87 Each of the digits in the number 2536841 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

Ans ☒ A. 11

☒ B. 7

☒ C. 10

☒ D. 8

Q.88 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☒ A. KIF

☒ B. GFB

☒ C. IGD

☒ D. QOL

Q.89 Sikar starts from Point A and drives 17 km towards the north. He then takes a left turn, drives 14 km, turns left and drives 18 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans ☒ A. 6 km to the west

☒ B. 3 km to the west

☒ C. 5 km to the west

☒ D. 4 km to the east

Q.90 R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table. Only two people sit between R and G when counted from the right of R. Only three people sit between D and N when counted from the right of N. G sits to the immediate right of N. A sits to the immediate right of I. Who sits fourth to the right of E?

Ans ☒ A. R

☒ B. A

☒ C. N

☒ D. G

Q.91 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark '?' in the following equation?

9 A 3 C 15 B 2 = ? D 10

Ans ☒ A. 33

☒ B. 43

☒ C. 39

☒ D. 34

Q.92 Refer to the following number series and answer the question. (All numbers are single-digit numbers only. Counting to be done from left to right only.)

(Left) 5 3 8 6 6 3 5 7 9 7 3 4 8 3 9 2 5 5 1 5 6 1 2 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Three

Q.93 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JS-BJ-SB
LU-DL-UD

- Ans**
- ☒ A. NW-FN-WF
 - ☒ B. NW-FN-WR
 - ☒ C. NW-FN-KL
 - ☒ D. NW-FN-OP

Q.94 In a certain code language, 'hall menu peak' is coded as 'yy ae wp' and 'peak boat owner' is coded as 'mr yy sf'. How is 'peak' coded in that language?

- Ans**
- ☒ A. wp
 - ☒ B. yy
 - ☒ C. mr
 - ☒ D. ae

Q.95 What should come in place of '?' in the given series?

9 ? 18 45 109 234

- Ans**
- ☒ A. 15
 - ☒ B. 10
 - ☒ C. 17
 - ☒ D. 12

Q.96 In a certain code language,
A @ B means 'A is the mother of B',
A × B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D + R @ Y ÷ H'?

- Ans**
- ☒ A. Father's mother's brother's wife
 - ☒ B. Father's brother's wife
 - ☒ C. Father's mother's brother's daughter
 - ☒ D. Brother's wife

Q.97 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RU29 QT37 PS45 OR53 ?

- Ans**
- ☒ A. NQ61
 - ☒ B. NQ62
 - ☒ C. NR61
 - ☒ D. NR62

Q.98 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

PK - QL - RT
RM - SN - TV

- Ans**
- ☒ A. LG - MH - NP
 - ☐ B. KG - MI - NO
 - ☐ C. LG - MH - NO
 - ☐ D. KG - MH - NO

Q.99 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All fans are motors. All motors are scooters.

Conclusion (I) : Some scooters are motors

Conclusion (II) : All fans are scooters

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☐ B. Only conclusion (I) follows
 - ☐ C. Neither conclusion (I) nor (II) follows
 - ☐ D. Only conclusion (II) follows

Q.100 In a certain code language, 'queen chin steak' is coded as 'kc eq rq' and 'steak arch food' is coded as 'yg kc mz'. How is 'steak' coded in the given language?

- Ans**
- ☐ A. rq
 - ☒ B. kc
 - ☐ C. yg
 - ☐ D. eq



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	14/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Two friends, P and Q, started a business by investing ₹2,300 and ₹4,600, respectively. At the end of one year, the business earned a total profit of ₹37,272. What is the share (in ₹) of P in the profit?

- Ans
- ☒ A. 12,424
 - ☐ B. 12,274
 - ☐ C. 12,524
 - ☐ D. 12,374

Q.2 The sides of a rectangular field are 77 m and 98 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?

(Take $\pi = \frac{22}{7}$)

- Ans
- ☐ A. 304
 - ☒ B. 308
 - ☐ C. 353
 - ☐ D. 330

Q.3 A car travels from Gwalior to Jhansi at 60 km/hr and returns at 80 km/hr. If the total travel time is 3.5 hours, what is the one-way distance?

- Ans
- ☐ A. 125 km
 - ☒ B. 120 km
 - ☐ C. 112 km
 - ☐ D. 110 km

Q.4 A certain sum amounts to ₹5,200 in 2 years and ₹6,400 in 4 years at simple interest. What is the rate of interest per annum?

- Ans
- ☐ A. 10 percent
 - ☐ B. 12 percent
 - ☐ C. 18 percent
 - ☒ D. 15 percent

Q.5 The sum of the ages of two siblings is 28 years and the difference of their ages is 8 years. What is the present age of the elder sibling?

- Ans**
- ☐ A. 20 years
 - ☐ B. 14 years
 - ☒ C. 18 years
 - ☐ D. 16 years

Q.6 A and B can do a piece of work in 12 days and 24 days, respectively. Both work for 2 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☐ A. 17
 - ☐ B. 19
 - ☐ C. 20
 - ☒ D. 18

Q.7 The sum of two positive numbers is 40 and their product is 175. The positive difference between them is:

- Ans**
- ☐ A. 32
 - ☐ B. 36
 - ☐ C. 34
 - ☒ D. 30

Q.8 At what annual interest rate will a principal amount of ₹1,000 become ₹1,728 in a period of 1 year and 6 months, assuming that the interest is compounded semi-annually?

- Ans**
- ☐ A. 41%
 - ☒ B. 40%
 - ☐ C. 35%
 - ☐ D. 32%

Q.9 The largest four-digit number which when divided by 12, 8 and 11 leaves the remainder 3 in each case, is:

- Ans**
- ☐ A. 9928
 - ☒ B. 9771
 - ☐ C. 9821
 - ☐ D. 9535

Q.10 Four identical cubes are placed one after another and the length of the cuboid so formed is 256 cm. Find the volume of a single cube.

- Ans**
- ☐ A. 265144 cm³
 - ☐ B. 262154 cm³
 - ☐ C. 362144 cm³
 - ☒ D. 262144 cm³

Q.11 Two trains are moving in opposite directions at speeds of 8 m/s and 10 m/s. If they completely pass each other in 8 seconds, find the combined length of both trains.

- Ans**
- ☐ A. 156 meters
 - ☐ B. 150 meters
 - ☐ C. 152 meters
 - ☒ D. 144 meters

Q.12 If the fourth proportional to 5, 15, and 25 is k, then find k.

- Ans**
- ☐ A. $k = 60$
 - ☒ B. $k = 75$
 - ☐ C. $k = 90$
 - ☐ D. $k = 125$

Q.13 In a triangle, the ratio of three angles is 3 : 3 : 4. Find the measure of the largest angle.

- Ans**
- ☐ A. 84°
 - ☒ B. 72°
 - ☐ C. 62°
 - ☐ D. 40°

Q.14 The average of 8 numbers is 45. If each number is decreased by 3, what will the new average be?

- Ans**
- ☒ A. 42
 - ☐ B. 8
 - ☐ C. 39
 - ☐ D. 45

Q.15 Find the greatest number that divides 75, 105 and 150 exactly.

- Ans**
- ☐ A. 10
 - ☐ B. 25
 - ☐ C. 5
 - ☒ D. 15

Q.16 A team of 3 workers, P, Q, and R, is assigned to paint a large wall. P alone can finish the work in 14 days, Q alone in 21 days, and R alone in 42 days. If they start together but P leaves after 4 days, and the remaining work is completed by Q and R together, in how many total days is the wall completely painted?

- Ans**
- ☒ A. 10 days
 - ☐ B. 9 days
 - ☐ C. 11 days
 - ☐ D. 12 days

Q.17 A shopkeeper fixes the marked price of an item 150% above its cost price. What percentage of discount on marked price should be allowed to gain 110%?

- Ans**
- ☐ A. 17%
 - ☒ B. 16%
 - ☐ C. 14%
 - ☐ D. 15%

Q.18 A ladder of length 8 m is placed against a vertical wall, making an angle of 60° with the ground. How high does the ladder reach up the wall?

- Ans**
- ☒ A. $4\sqrt{3}$ m
 - ☐ B. $6\sqrt{3}$ m
 - ☐ C. $3\sqrt{3}$ m
 - ☐ D. $5\sqrt{3}$ m

Q.19 Which of the following pairs of numbers is co-prime?

- A) (15, 25)
- B) (14, 35)
- C) (9, 28)
- D) (21, 49)

Ans ☒ A. B
☒ B. C
☒ C. D
☒ D. A

Q.20 Three positive integers a, b, and c satisfy the following conditions: (i) a and b are coprime, (ii) b and c are coprime, (iii) a and c are not coprime, (iv) $abc = 360$. The minimum possible value of $a + b + c$ is:

Ans ☒ A. 95
☒ B. 27
☒ C. 23
☒ D. 33

Q.21 The average of 6.5, 10.8, 20 and a is 13. The value of a is:

Ans ☒ A. 15.7
☒ B. 16.7
☒ C. 14.7
☒ D. 13.7

Q.22 If $3^x - 3^{x-1} = 18$, then the value of $\frac{2x-1}{2x+3}$ is:

Ans ☒ A. $\frac{5}{13}$
☒ B. $\frac{5}{6}$
☒ C. $\frac{5}{12}$
☒ D. $\frac{5}{9}$

Q.23 If 45% of a number exceeds 20% of it by 30, then the number is:

Ans ☒ A. 140
☒ B. 100
☒ C. 120
☒ D. 160

Q.24 A product with marked price ₹3,000 is sold with successive discounts of 15% and 25%. What is the final selling price after these two discounts?

Ans ☒ A. ₹1,936.50
☒ B. ₹1,872
☒ C. ₹1,912.50
☒ D. ₹1,896

Q.25 Two articles are sold at the same selling price. On one article, the trader makes a 25% profit, and on the other, he incurs a 25% loss. What is the overall percentage loss?

Ans ☒ A. 7.25%
☒ B. 6.25%
☒ C. 5.25%
☒ D. 8.25%

Q.26 A merchant marks his products 30% above the cost price and provides a 10% discount on the marked price. What percent profit does he earn?

- Ans**
- ☒ A. 17%
 - ☐ B. 15%
 - ☐ C. 16%
 - ☐ D. 18%

Q.27 The sum of two numbers is 54. If three times the smaller number exceeds twice the larger number by 6, find the difference between the two numbers.

- Ans**
- ☒ A. 8.4
 - ☐ B. 7.6
 - ☐ C. 6.6
 - ☐ D. 7.2

Q.28 The price of an article is first increased by 30% and then decreased by 20%. Due to these successive changes, the final price becomes ₹40 more than the original price. What is the original price of the article?

- Ans**
- ☒ A. ₹1,000
 - ☐ B. ₹1,200
 - ☐ C. ₹1,100
 - ☐ D. ₹900

Q.29 Find the third proportional to 240 and 120.

- Ans**
- ☐ A. 40
 - ☐ B. 50
 - ☒ C. 60
 - ☐ D. 80

Q.30 The value of $\frac{27^{\frac{2}{3}} \cdot 9^{-\frac{1}{2}}}{3^{-1} \cdot 81^{\frac{1}{4}}}$ is

- Ans**
- ☐ A. 1
 - ☒ B. 3
 - ☐ C. 6
 - ☐ D. 9

Section : General Awareness

Q.31 Which practice supports sustainable agriculture by maintaining soil health?

- Ans**
- ☐ A. Deforestation
 - ☐ B. Excessive chemical fertilisers
 - ☒ C. Crop rotation
 - ☐ D. Monoculture farming

Q.32 Joint Sitting of both the houses of the Parliament is summoned by:

- Ans**
- ☐ A. Speaker of Lok Sabha
 - ☐ B. Prime Minister of India
 - ☐ C. Chairman Rajya Sabha
 - ☒ D. President of India

Q.33 Which of the following teams won the Vijay Hazare Trophy in 2024-25?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Saurashtra
 - ☒ C. Karnataka
 - ☐ D. Tamil Nadu

Q.34 What percentage of all detected trafficking victims in 2022 were children, as per the Global Report on Trafficking in Persons 2024?

- Ans**
- ☐ A. 45%
 - ☐ B. 31%
 - ☒ C. 38%
 - ☐ D. 20%

Q.35 Which of the following is a characteristic feature of the gaseous state of matter?

- Ans**
- ☐ A. High rigidity and fixed volume
 - ☐ B. Definite volume but no definite shape
 - ☒ C. Negligible intermolecular forces and high compressibility
 - ☐ D. Strong intermolecular forces and fixed shape

Q.36 Who among the following dancers received the 'Abhinandan Saroja National Award, 2021' from the National Institute of Indian Classical Dance?

- Ans**
- ☐ A. Yamini Krishnamurthy
 - ☐ B. Geetanjali Lal
 - ☒ C. Aparna Satheesan
 - ☐ D. Saswati Sen

Q.37 Action and reaction forces are exerted on which bodies during an interaction?

- Ans**
- ☐ A. The same body
 - ☐ B. Only bodies at rest
 - ☒ C. Two different bodies
 - ☐ D. Only moving bodies

Q.38 The Carriage of Goods by Sea Act, 2025, enforced from 10 September 2025, is primarily intended to:

- Ans**
- ☐ A. Regulate vessel registration
 - ☐ B. Develop port infrastructure
 - ☒ C. Define carrier liability
 - ☐ D. Control marine pollution

Q.39 Select the correct match of the musician with their musical instrument.

- Ans**
- ☒ A. Bismillah Khan – Shehnai
 - ☐ B. Ravi Shankar – Bansuri
 - ☐ C. Shiv Kumar Sharma – Sarod
 - ☐ D. Zakir Hussain – Sitar

Q.40 Raja and Radha Reddy, who founded the Natya Tarangini Institute in New Delhi, are renowned exponents of which classical dance form?

- Ans**
- ☐ A. Kathak
 - ☐ B. Mohiniyattam
 - ☐ C. Sattriya
 - ☒ D. Kuchipudi

Q.41 Which type of soil is most suitable for cotton cultivation in India?

- Ans**
- ☐ A. Laterite Soil
 - ☒ B. Black Soil
 - ☐ C. Alluvial Soil
 - ☐ D. Red Soil

Q.42 Which of the following rulers of the Maitraka dynasty attended Harshavardhana's assembly at Prayaga?

- Ans**
- ☐ A. Grihavarman
 - ☐ B. Prabhakarvardhana
 - ☐ C. Rudrasena II
 - ☒ D. Dhruvasena II

Q.43 In August 2025, which body released the first National Annual Report & Index on Women's Safety (NARI 2025)?

- Ans**
- ☐ A. National Human Rights Commission
 - ☒ B. National Commission for Women
 - ☐ C. NITI Aayog
 - ☐ D. Ministry of Women and Child Development

Q.44 The Bahmani kingdom stretched from Mandu in north to which southern boundary?

- Ans**
- ☒ A. Raichur
 - ☐ B. Madurai
 - ☐ C. Mysore
 - ☐ D. Tiruchirapalli

Q.45 In which of the following years was the Technology Mission on Oilseeds launched due to which oilseeds production increased to a record level of 18 million tonnes in 1988-89?

- Ans**
- ☒ A. 1985-86
 - ☐ B. 1983-84
 - ☐ C. 1984-85
 - ☐ D. 1987-88

Q.46 In December 2025, in which of the following cities did the All Living Things Environmental Film Festival (ALT EFF) festival spark public dialogue on environmental issues through impactful films and discussions?

- Ans**
- ☐ A. Patna
 - ☒ B. Bengaluru
 - ☐ C. Jaipur
 - ☐ D. Ahmedabad

Q.47 Parliament, the legislative organ of the Union government, is mentioned in which part of the Constitution of India?

- Ans**
- ☐ A. Part VIII
 - ☐ B. Part VII
 - ☒ C. Part V
 - ☐ D. Part VI

Q.48 Which of the following provisions requires ratification by the legislatures of NOT less than half the States for amendment under Article 368(2), making it a 'rigid' feature?

- Ans**
- ☐ A. Provisions related to citizenship acquisition and termination
 - ☒ B. Manner of election of the President of India
 - ☐ C. Composition of the Council of Ministers
 - ☐ D. Duration of the term of the Lok Sabha

Q.49 Who among the following is the head of the Union Council of Ministers?

- Ans**
- ☐ A. Union Home Minister
 - ☐ B. President
 - ☐ C. Attorney General of India
 - ☒ D. Prime Minister

Q.50 Which of the following movements, founded by Jyotirao Phule, was specifically aimed at the upliftment of lower castes in Maharashtra?

- Ans**
- ☐ A. Arya Samaj
 - ☒ B. Satyashodhak Samaj
 - ☐ C. Brahmo Samaj
 - ☐ D. Ramakrishna Mission

Q.51 **IRIS chip**, developed by ISRO in partnership with IIT-Madras, is designed for:

- Ans**
- ☐ A. Automotive systems
 - ☒ B. Space applications with SHAKTI
 - ☐ C. Gaming consoles
 - ☐ D. Commercial smartphones

Q.52 According to the Census 2011, which of the following states has the highest population density among the northern Indian states?

- Ans**
- ☐ A. Himachal Pradesh
 - ☐ B. Uttarakhand
 - ☐ C. Rajasthan
 - ☒ D. Bihar

Q.53 Which of the following goddesses is primarily worshipped during the Gangaur festival of Rajasthan?

- Ans**
- ☐ A. Goddess Saraswati
 - ☐ B. Goddess Durga
 - ☒ C. Goddess Parvati
 - ☐ D. Goddess Lakshmi

Q.54 Where was the 8th session of the Indian Ocean Conference held in February 2025?

- Ans**
- ☐ A. Perth, Australia
 - ☒ B. Muscat, Oman
 - ☐ C. New Delhi, India
 - ☐ D. Colombo, Sri Lanka

Q.55 Which of the following is the correct full form of LAN?

- Ans**
- ☐ A. Low Area Net
 - ☐ B. Large Access Node
 - ☒ C. Local Area Network
 - ☐ D. Line Access Network

Q.56 Which Amendment created the National Judicial Appointments Commission (NJAC) in India?

- Ans**
- ☒ A. 99th Amendment
 - ☐ B. 102nd Amendment
 - ☐ C. 76th Amendment
 - ☐ D. 82nd Amendment

Q.57 Which of the following physiographic regions of India is primarily formed by the extensive deposition of alluvium brought by the Himalayan river systems?

- Ans**
- ☐ A. The Peninsular Plateau
 - ☐ B. The Meghalaya Plateau
 - ☐ C. The Western Coastal Plains
 - ☒ D. The Northern Plains

Q.58 The Windows 11 Task Manager helps monitor system resources to identify applications that are _____ system performance.

- Ans**
- ☒ A. degrading
 - ☐ B. enhancing
 - ☐ C. simplifying
 - ☐ D. stabilizing

Q.59 In September 2025, 26 nations vowed to provide postwar security guarantees to which country?

- Ans**
- ☐ A. Poland
 - ☒ B. Ukraine
 - ☐ C. Iran
 - ☐ D. Palestine

Q.60 In Windows, which file extension represents a dynamic-link library containing reusable code shared across applications?

- Ans**
- ☐ A. .drv
 - ☒ B. .dll
 - ☐ C. .tmp
 - ☐ D. .is

Q.61 According to World Population Prospects, 2024, what is the estimated peak of the world's population in the mid-2080s?

- Ans**
- ☒ A. 10.3 billion
 - ☐ B. 11.1 billion
 - ☐ C. 8.2 billion
 - ☐ D. 9.5 billion

Q.62 What is the purpose of using different file types with extensions in an operating system like MS Windows?

- Ans**
- ☐ A. To hide file content and remove the content from file
 - ☐ B. To make file names longer and rename file
 - ☐ C. To increase file size and make changes in file
 - ☒ D. To allow the OS to determine which application should open the file

Q.63 Who among the following highlighted the widespread poverty in India during the colonial period through the book Poverty and Un-British Rule in India?

- Ans**
- ☒ A. Dadabhai Naorji
 - ☐ B. Pherozeshah Mehta
 - ☐ C. Mahatma Gandhi
 - ☐ D. Bal Gangadhar Tilak

Q.64 Which term refers to the quantitative study of reactants and products in a chemical reaction?

- Ans**
- ☐ A. Molarity
 - ☒ B. Stoichiometry
 - ☐ C. Mass per cent
 - ☐ D. Mole fraction

Q.65 Who among the following founded the secret revolutionary society 'Abhinav Bharat' in 1904?

- Ans**
- ☐ A. Shyamji Krishna Varma
 - ☐ B. Khudiram Bose
 - ☒ C. V.D. Savarkar
 - ☐ D. Lala Har Dayal

Q.66 Which AI-enabled digital governance tool, integrated with BHASHINI, was introduced to generate structured minutes of Gram Sabha and Panchayat meetings from audio or video inputs, with multilingual support across 14 Indian languages?

- Ans**
- ☐ A. GramLekha AI Platform
 - ☐ B. Rural Governance Documentation Tool
 - ☐ C. Panchayat Digital Recorder System
 - ☒ D. SabhaSaar

Q.67 Which continent is entirely in the Southern and Eastern Hemispheres?

- Ans**
- ☐ A. Africa
 - ☐ B. Europe
 - ☒ C. Australia
 - ☐ D. Asia

Q.68 Fundamental Duties of the citizens were enumerated by the 42nd Amendment of the Constitution, adopted in the year:

- Ans**
- ☐ A. 1986
 - ☐ B. 1966
 - ☐ C. 1988
 - ☒ D. 1976

Q.69 If a scientist is comparing the energy output of two light bulbs and records their values in joules, which dimensional formula should be used to represent energy in the SI system?

- Ans**
- ☒ A. $[M L^2 T^{-2}]$
 - ☐ B. $[M T^2]$
 - ☐ C. $[M L T^{-2}]$
 - ☐ D. $[L^2 T^{-2}]$

Q.70 Which book written by Jyotirao Phule was dedicated to those who fought against slavery in America?

- Ans**
- ☐ A. The Cultivator's Whipcord
 - ☐ B. Stripurushtulna
 - ☐ C. Satyarth Prakash
 - ☒ D. Gulamgiri

Section : General Intelligence and Reasoning

Q.71 Seven boxes, F, G, H, I, J, K and L, are kept one over the other, but not necessarily in the same order.
Only one box is kept between G and F. J is kept at the fourth position from the top. Only one box is kept above L. I is kept immediately below L. K is kept at a position somewhere above J.
How many boxes are kept between K and H?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Three
 - ☒ D. Four

Q.72 Each vowel in the word RADULAE is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☐ A. Zero
 - ☐ B. Two
 - ☒ C. One
 - ☐ D. Three

Q.73 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 5, 7)
(3, 10, 13)

- Ans**
- ☐ A. (7, 49, 51)
 - ☒ B. (6, 37, 43)
 - ☐ C. (5, 26, 36)
 - ☐ D. (8, 63, 75)

Q.74 In a certain code language, 'stage pig add' is coded as 'yv se kk' and 'third add bee' is coded as 'se ec wm'. How is 'add' coded in that language? (All codes are two-letter codes.)

- Ans**
- ☐ A. kk
 - ☐ B. yv
 - ☐ C. ec
 - ☒ D. se

Q.75 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) F M I H Y F Y E G K Y O N V K H Q T E K N (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- Ans**
- ☒ A. None
 - ☐ B. One
 - ☐ C. Two
 - ☐ D. Three

Q.76 Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only two people sit between Q and L when counted from the right of Q. Only two people sit between L and O when counted from the left of O. Only three people sit between Q and F when counted from the right of Q. M sits to the immediate left of H. Who sits third to the left of G?

- Ans**
- ☒ A. H
 - ☐ B. L
 - ☐ C. F
 - ☐ D. M

Q.77 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. ST - YZ
 - ☐ B. CD - IJ
 - ☐ C. IJ - OP
 - ☒ D. MJ - LP

Q.78 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PRY WYF DFM KMT ?

- Ans**
- ☒ A. RTA
 - ☐ B. RAT
 - ☐ C. RTY
 - ☐ D. ERT

Q.79 Seven boxes, A, U, V, W, X, Y and Z, are kept one over the other, but not necessarily in the same order.

Y is kept second from the bottom. Only two boxes are kept between Y and V. A is kept on one of the positions before V but on one of the positions after W. Only Z is kept between Y and U.

Which box is kept first from the bottom?

- Ans**
- ☐ A. A
 - ☐ B. W
 - ☒ C. X
 - ☐ D. U

Q.80 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. OGY
 - ☒ B. QAI
 - ☐ C. KCU
 - ☐ D. PHZ

Q.81 Each vowel in the word NOTFERN is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. Zero

Q.82 In a certain code language, 'LOTS' is coded as '8439' and 'JOLS' is coded as '4853'. What is the code for 'J' in the given code language?

- Ans**
- ☒ A. 4
 - ☒ B. 3
 - ☒ C. 5
 - ☒ D. 8

Q.83 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. US-OP
 - ☒ B. TR-OM
 - ☒ C. PN-KI
 - ☒ D. XV-SQ

Q.84 LOSM is related to QTXR in a certain way based on the English alphabetical order. In the same way, ILPJ is related to NQUO. To which of the following is FIMG related, following the same logic?

- Ans**
- ☒ A. NKLR
 - ☒ B. NKRL
 - ☒ C. KNRL
 - ☒ D. KNLR

Q.85 In a certain code language,

J + Q means 'J is the mother of Q',
J - Q means 'J is the brother of Q',
J x Q means 'J is the husband of Q' and
J ÷ Q means 'J is the sister of Q'.

Based on the above, how is A related to F if 'A ÷ B x C + D - E ÷ F'?

- Ans**
- ☒ A. Father's sister
 - ☒ B. Sister
 - ☒ C. Mother
 - ☒ D. Mother's sister

Q.86 What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 \div 4 + 9 \times 3 - 8 = ?$$

- Ans**
- ☒ A. 53
 - ☒ B. 39
 - ☒ C. 44
 - ☒ D. 35

Q.87 In a certain code language,
A x B means 'A is the mother of B',
A ≠ B means 'A is the wife of B',
A ÷ B means 'A is the daughter of B' and
A ₹ B means 'A is the father of B'.

Based on the above, how is C related to M if 'C ≠ D ₹ E x L ÷ M'?

- Ans
- ☐ A. Brother's wife
 - ☐ B. Husband's mother
 - ☒ C. Wife's mother
 - ☐ D. Wife's brother's wife

Q.88 Mr. Yorly starts from Point A and drives 17 km towards East. He then takes a left turn, drives 18 km, turns left and drives 30 km. He then takes a left turn and drives 31 km. He then takes a left turn, drives 9 km, turns left and drives 6 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans
- ☐ A. 5 km to the West
 - ☐ B. 9 km to the East
 - ☐ C. 8 km to the North
 - ☒ D. 7 km to the North

Q.89 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Eagles are Seagulls. Some Seagulls are Peacocks.

Conclusion (I): Some Eagles are Peacocks.

Conclusion (II): No Peacocks are Eagles.

- Ans
- ☐ A. Only conclusion (I) follows
 - ☐ B. Both conclusions (I) and (II) follow
 - ☐ C. Only conclusion (II) follows
 - ☒ D. Neither conclusion (I) nor (II) follows

Q.90 Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north. Only two people sit to the left of N. Only three people sit between N and G. Only one person sits between G and E. I sits to the immediate left of R. A is not an immediate neighbor of G. How many people sit to the right of T?

- Ans
- ☐ A. Two
 - ☐ B. Four
 - ☒ C. One
 - ☐ D. Three

Q.91 KL 9 is related to IH -2 in a certain way. In the same way, PG 7 is related to NC -4. To which of the following is JQ 14 related, following the same logic?

- Ans
- ☐ A. HN 6
 - ☐ B. IM 3
 - ☐ C. IN 6
 - ☒ D. HM 3

Q.92 What should come in place of '?' in the given series?
135 150 180 225 285 ?

- Ans
- ☒ A. 360
 - ☐ B. 340
 - ☐ C. 350
 - ☐ D. 330

Q.93 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

3 A 42 B 14 C 29 D 22 = ?

- Ans**
- ☒ A. 11
 - ☒ B. 10
 - ☒ C. 8
 - ☒ D. 9

Q.94 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All apples are baskets. Some baskets are cups.

Conclusions:

(I) Some apples are cups.

(II) All cups are apples.

- Ans**
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Only conclusion (I) follows
 - ☒ D. Both conclusions (I) and (II) follow

Q.95 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TUW XYA BCE FGI ?

- Ans**
- ☒ A. KJL
 - ☒ B. JKM
 - ☒ C. JLM
 - ☒ D. JMK

Q.96 Seven boxes, K, N, I, G, H, T and S, are kept one over the other, but not necessarily in the same order.
K is kept fourth from the top. Only one box is kept between H and K. Only three boxes are kept between H and S. S is kept at some place above K. I is kept immediately below S. N is kept at one of the places above T. G is not kept immediately above or below H. How many boxes are kept below N?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Zero
 - ☒ D. Three

Q.97 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?
7 A 7 C 20 B 2 = ? C 20

- Ans**
- ☒ A. 22
 - ☒ B. 21
 - ☒ C. 24
 - ☒ D. 20

Q.98 What should come in place of '?' in the given series?

4 10 18 38 74 ?

- Ans**
- ☒ A. 148
 - ☒ B. 150
 - ☒ C. 154
 - ☒ D. 152

Q.99 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. RF – NB
 - ☒ B. MJ – IF
 - ☒ C. UG – QC
 - ☒ D. PT – LG

Q.100 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

YBZ DGE ILJ NQO ?

- Ans**
- ☒ A. SWS
 - ☒ B. SVT
 - ☒ C. SUS
 - ☒ D. STV



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	15/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 In a school, Class A has 24 students with an average height of 160 cm, and Class B has 20 students with an average height of 168 cm. The average height of students in Class C is 165 cm. If the overall average height of all students from Classes A, B and C is 164 cm, find the number of students in Class C.

Ans ☒ A. 20
☒ B. 26
☒ C. 18
☒ D. 16

Q.2 Two trains of lengths 160 meters and 140 meters are moving in opposite directions at 55 km/h and 65 km/h, respectively. Find the time taken by them to cross each other completely.

Ans ☒ A. 6 seconds
☒ B. 9 seconds
☒ C. 8 seconds
☒ D. 10 seconds

Q.3 A company hires a certain number of temporary workers for a project. If each worker is paid ₹500 per day, the total daily wage bill exceeds the company's budget by ₹4,000. If instead each worker is paid ₹450 per day, the total daily wage bill falls short of the budget by ₹2,000. Find the number of workers hired.

Ans ☒ A. 120
☒ B. 160
☒ C. 200
☒ D. 280

Q.4 Workers P and Q can complete a task in 16 days if working together. P alone takes 24 days. If P and Q start the task together, but Q leaves after 4 days, how many more days will P alone take to finish the work?

Ans ☒ A. 10 days
☒ B. 6 days
☒ C. 9 days
☒ D. 18 days

Q.5 If the average of three numbers is 7, what is their total sum?

- Ans
- ☐ A. 7
 - ☒ B. 21
 - ☐ C. 10
 - ☐ D. 14

Q.6 Evaluate $\sqrt{36} + \sqrt{\frac{324}{81}} + \sqrt{\frac{9.5 \times 0.0085 \times 18.9}{0.021 \times 0.0017 \times 1.9}}$.

- Ans
- ☐ A. 154
 - ☐ B. 156
 - ☒ C. 158
 - ☐ D. 152

Q.7 From the top of a building $100\sqrt{3}$ meters high, the angle of depression to a bicycle on the ground is 30° . What is the horizontal distance (in meters) from the building to the bicycle?

- Ans
- ☐ A. 150
 - ☐ B. 200
 - ☐ C. 250
 - ☒ D. 300

Q.8 Raghav drives from City A to City B in three equal segments of 40 km each. He drives the first segment at 40 km/hr, the second at 60 km/hr, and the third at 120 km/hr. What is his average speed for the whole trip?

- Ans
- ☐ A. 50 km/hr
 - ☐ B. 64 km/hr
 - ☒ C. 60 km/hr
 - ☐ D. 68 km/hr

Q.9 The price of fuel decreases by 45%, 25% and 15% in three successive months, but increases by 45% in the fourth month. What is the percentage decrease in the price of fuel in the fourth month as compared to its original price? (Round off to 2 decimal places.)

- Ans
- ☐ A. 53.54%
 - ☐ B. 47.82%
 - ☒ C. 49.16%
 - ☐ D. 46.44%

Q.10 A shopkeeper fixes the marked price of an item 120% above its cost price. What percentage of discount on marked price should be allowed to gain 43%?

- Ans
- ☒ A. 35%
 - ☐ B. 38%
 - ☐ C. 33%
 - ☐ D. 32%

Q.11 A number leaves a remainder of 2 when divided by 5 and a remainder of 3 when divided by 7. What is the smallest positive integer that satisfies both conditions?

- Ans
- ☐ A. 38
 - ☐ B. 23
 - ☐ C. 24
 - ☒ D. 17

Q.12 A wholesaler offers a trade discount of 30% on the marked price of an electric kettle to retailers. A retailer then announces a scheme discount of 12% on the price after receiving the trade discount. If the retailer sells the kettle to a customer for ₹2,464, what is the marked price of the kettle?

- Ans**
- ☒ A. ₹4,000
 - ☐ B. ₹4,400
 - ☐ C. ₹4,200
 - ☐ D. ₹3,800

Q.13 What is the largest 6-digit number that is completely divisible by 96?

- Ans**
- ☐ A. 999888
 - ☐ B. 999984
 - ☐ C. 999912
 - ☒ D. 999936

Q.14 Two positive numbers differ by 20. The mean proportional between these two numbers is 24. What is the sum of these two numbers?

- Ans**
- ☐ A. 53
 - ☐ B. 51
 - ☒ C. 52
 - ☐ D. 50

Q.15 The sum of two positive numbers is 27 and their product is 176. The positive difference between them is:

- Ans**
- ☐ A. 10
 - ☒ B. 5
 - ☐ C. 21
 - ☐ D. 24

Q.16 A solid cuboid of dimensions 30 cm × 20 cm × 8 cm is melted. During melting, 10% of the material is lost. The remaining metal is recast into identical cubes of side 4 cm. How many complete cubes are formed?

- Ans**
- ☒ A. 67
 - ☐ B. 63
 - ☐ C. 60
 - ☐ D. 66

Q.17 A man was seven times older than his son five years ago and is now four times older. What is the son's present age?

- Ans**
- ☐ A. 5 years
 - ☐ B. 7 years
 - ☒ C. 10 years
 - ☐ D. 14 years

Q.18 The LCM of the numbers 5, 8.3 and 0.19 is:

- Ans**
- ☐ A. 7160
 - ☐ B. 6925
 - ☒ C. 7885
 - ☐ D. 7125

Q.19 A sum, when invested at 20% simple interest per annum, amounts to ₹5,280 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 years?

- Ans**
- ☐ A. 660
 - ☐ B. 5,280
 - ☒ C. 1,320
 - ☐ D. 2,640

Q.20 A and B can do a piece of work in 12 days and 30 days, respectively. Both work for 2 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☐ A. 22
 - ☒ B. 23
 - ☐ C. 24
 - ☐ D. 25

Q.21 Find the third proportional to 8 and 16.

- Ans**
- ☐ A. 24
 - ☒ B. 32
 - ☐ C. 30
 - ☐ D. 28

Q.22 The total surface area of a cube having side 94 cm is:

- Ans**
- ☒ A. 53,016 cm²
 - ☐ B. 52,989 cm²
 - ☐ C. 53,026 cm²
 - ☐ D. 53,006 cm²

Q.23 During a sale, 50% of the goods are sold at 36% profit, 40% of the remaining goods are sold at 14% profit and the still remaining goods are sold at a loss of 21%. If there is an overall profit of x%, then what is the value of x?

- Ans**
- ☐ A. 16.9
 - ☐ B. 15.2
 - ☐ C. 13.6
 - ☒ D. 14.5

Q.24 A borrower takes a loan of ₹1,860 at a simple interest rate of 12% per annum. After some years, the total amount payable becomes ₹2,529.60. For how many years was the loan taken?

- Ans**
- ☐ A. 1
 - ☒ B. 3
 - ☐ C. 2
 - ☐ D. 4

Q.25 What should come in place of the question mark (?) in the following equation?

$$(32 \div 0.8 \times ?) - 72 = 6! \div (4 \times 5 + 10)$$

- Ans**
- ☒ A. 2.4
 - ☐ B. 1.4
 - ☐ C. 2.2
 - ☐ D. 2.8

Q.26 A, B and C start a business. A invests ₹1,21,500 for 12 months, B invests ₹1,02,060 for 9 months and C invests ₹97,200, but withdrew ₹24,500 after 6 months. If the total profit earned at the end of the year is ₹1,69,797, find the difference between the profit share of A and the profit share of B.

- Ans** ☒ A. ₹26,973
☐ B. ₹26,763
☐ C. ₹26,884
☐ D. ₹26,524

Q.27 Two complementary angles are such that twice the measure of one angle is equal to three times the measure of the other. The measure of the larger angle is:

- Ans** ☐ A. 45°
☐ B. 60°
☒ C. 54°
☐ D. 72°

Q.28 Kavita's monthly salary increased by 25%, and then decreased by 20%. If her initial salary is ₹58,000, what was her final salary?

- Ans** ☐ A. ₹64,000
☐ B. ₹55,000
☐ C. ₹60,000
☒ D. ₹58,000

Q.29 P sells an item to Q at 25% profit. Q sells the same item to R at 60% loss. If R paid ₹5,166 for the item, then at what price (in ₹) is the item purchased by P?

- Ans** ☒ A. 10,332
☐ B. 10,330
☐ C. 10,331
☐ D. 10,333

Q.30 Simplify the following expression:

$$\sqrt{\frac{0.6859 \times 0.1156 \times 0.64000}{0.289 \times 0.1600 \times 0.54872}} \quad (\text{Correct your answer up to three decimal places})$$

- Ans** ☐ A. 1.314
☒ B. 1.414
☐ C. 2.414
☐ D. 2.314

Section : General Awareness

Q.31 Who among the following was the Commonwealth Secretary-General having led the 25th Commonwealth Foreign Affairs Ministers Meeting (CFAMM) in New York in September 2025?

- Ans** ☐ A. Patricia Scotland
☒ B. Shirley Botchwey
☐ C. Kamallesh Sharma
☐ D. Ngozi Okonjo-Iweala

Q.32 Which of the following languages was conferred Classical Language status in October 2024?

- Ans** ☐ A. Odia
☐ B. Kannada
☒ C. Marathi
☐ D. Tamil

Q.33 Which optical instrument is used to correct the eye defect known as Hypermetropia (or long-sightedness), where light focuses behind the retina?

- Ans**
- ☐ A. Concave Lens
 - ☐ B. Photochromic Lenses
 - ☐ C. Cylindrical Lens
 - ☒ D. Convex Lens

Q.34 Where is the headquarters of the South Western Railway Zone located?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Jabalpur
 - ☒ C. Hubballi
 - ☐ D. Jaipur

Q.35 The Indian Council Act of _____ introduced the concept of 'separate electorate' in India.

- Ans**
- ☐ A. 1861
 - ☐ B. 1862
 - ☒ C. 1909
 - ☐ D. 1903

Q.36 If a person contracts malaria, which type of pathogen is responsible for the disease?

- Ans**
- ☐ A. Virus
 - ☐ B. Bacteria
 - ☒ C. Protozoan
 - ☐ D. Fungi

Q.37 Which of the following sequences correctly matches the coastal sections from north to south on the western coast?

- Ans**
- ☐ A. Karnataka → Konkan → Malabar
 - ☐ B. Kathiawar → Malabar → Konkan
 - ☒ C. Konkan → Karnataka → Malabar
 - ☐ D. Malabar → Konkan → Karnataka

Q.38 Which characteristic enables a computer to start and complete tasks automatically without human intervention once programmed?

- Ans**
- ☐ A. Diligence
 - ☒ B. Automation
 - ☐ C. Portability
 - ☐ D. Accuracy

Q.39 As computer generations progressed, which of the following has been a trend that is generally true?

- Ans**
- ☐ A. Computers lost memory capacity
 - ☒ B. Computers became smaller and faster
 - ☐ C. Computers stopped using electricity
 - ☐ D. Computers became larger and slower

Q.40 In which year the 89th Constitutional Amendment was passed related to the National Commission for Scheduled Castes?

- Ans**
- ☐ A. 2010
 - ☐ B. 2006
 - ☐ C. 1995
 - ☒ D. 2003

Q.41 Microlithic tools became a characteristic feature during which phase of prehistory in India?

- Ans**
- ☐ A. Early Iron Age
 - ☐ B. Lower Palaeolithic
 - ☐ C. Middle Palaeolithic
 - ☒ D. Mesolithic

Q.42 What is the primary goal of India's Fiscal Responsibility and Budget Management (FRBM) Act of 2003?

- Ans**
- ☐ A. To boost GDP growth
 - ☐ B. To increase subsidies
 - ☒ C. To control fiscal deficits
 - ☐ D. To raise taxes on petrol

Q.43 To prevent losing your current progress due to a system crash or power failure, which essential shortcut key combination should you press regularly to quickly save the document you are working on?

- Ans**
- ☐ A. Ctrl + C
 - ☐ B. Ctrl + V
 - ☒ C. Ctrl + S
 - ☐ D. Ctrl + X

Q.44 Who among the following administers oath of Pro Tem Speaker during initial sitting of newly elected Lok Sabha?

- Ans**
- ☒ A. President of India
 - ☐ B. Cabinet Secretary
 - ☐ C. Vice President of India
 - ☐ D. Chief Justice of India

Q.45 Which Article of the Indian Constitution deals with the control of High Courts over subordinate courts?

- Ans**
- ☐ A. Article 107
 - ☐ B. Article 308
 - ☒ C. Article 235
 - ☐ D. Article 115

Q.46 What is the name of the quantum computing hub announced in Andhra Pradesh in April 2025, marking India's first major quantum valley?

- Ans**
- ☐ A. Vijayawada Quantum Park
 - ☒ B. Amaravati Quantum Valley
 - ☐ C. Nellore Quantum Hub
 - ☐ D. Bengaluru Quantum Valley

Q.47 Where was the 353rd International Labor Organization Governing body meeting held in March 2025?

- Ans**
- ☐ A. Milan, Italy
 - ☐ B. Oslo, Norway
 - ☒ C. Geneva, Switzerland
 - ☐ D. Copenhagen, Denmark

Q.48 On March 6, 2025, EU leaders convened an extraordinary summit in which city to discuss Ukraine and European security?

- Ans**
- ☒ A. Brussels
 - ☐ B. Berlin
 - ☐ C. Paris
 - ☐ D. Vienna

Q.49 Which Sustainable Development Goal (SDG) specifically aims to ensure universal access to affordable, reliable, sustainable and modern energy for all?

- Ans**
- ☒ A. Goal 7
 - ☐ B. Goal 5
 - ☐ C. Goal 13
 - ☐ D. Goal 9

Q.50 Which of the following coastal regions of India is characterized by extensive lagoons and backwater systems along the western coastal plain?

- Ans**
- ☒ A. The Malabar Coast
 - ☐ B. The Northern Circars
 - ☐ C. The Andhra Coast
 - ☐ D. The Coromandel Coast

Q.51 In 2025, how much permanent monthly alimony did the Supreme Court set for a divorced but unmarried wife?

- Ans**
- ☐ A. ₹30,000
 - ☐ B. ₹75,000
 - ☒ C. ₹50,000
 - ☐ D. ₹20,000

Q.52 Which Indian state secured the highest number of gold medals at the Khelo India Water Sports Festival, 2025?

- Ans**
- ☒ A. Madhya Pradesh
 - ☐ B. Kerala
 - ☐ C. Maharashtra
 - ☐ D. Haryana

Q.53 Which unique architectural feature distinguishes the Harappan site of Dholavira?

- Ans**
- ☐ A. Complex drainage systems
 - ☐ B. Pictorial murals on walls
 - ☐ C. Large fortifications
 - ☒ D. Step-wells for water conservation

Q.54 Which pact between Gandhi and the British government marked the suspension of the Civil Disobedience Movement in 1931?

- Ans**
- ☐ A. Lahore Pact
 - ☒ B. Gandhi-Irwin Pact
 - ☐ C. Lucknow Pact
 - ☐ D. Poona Pact

Q.55 Which IIT has partnered with Coal India Limited to launch a Centre for Sustainable Energy?

- Ans**
- ☒ A. IIT Kanpur
 - ☒ B. IIT Madras
 - ☒ C. IIT Delhi
 - ☒ D. IIT Bombay

Q.56 Identify the classical language(s) in India (as of December 2022) from among the following.

- 1) Marathi
- 2) Tamil
- 3) Sanskrit
- 4) Odia

- Ans**
- ☒ A. Only 2
 - ☒ B. Only 1 and 2
 - ☒ C. Only 2, 3 and 4
 - ☒ D. Only 1, 2, 3

Q.57 As per the Census of India, which of the following states recorded the highest overall literacy rate in 2011?

- Ans**
- ☒ A. Tamil Nadu
 - ☒ B. Kerala
 - ☒ C. Himachal Pradesh
 - ☒ D. Maharashtra

Q.58 Why was the Partition of Bengal (1905) widely opposed by Indian nationalists?

- Ans**
- ☒ A. It was proposed to relocate the colonial capital for better administrative coordination.
 - ☒ B. It was planned to improve agricultural administration and address recurring famine conditions.
 - ☒ C. It was intended to divide people on communal lines and weaken the growing nationalist movement.
 - ☒ D. It was undertaken to promote regional trade expansion and economic integration of eastern Bengal.

Q.59 Launched in 2019 by the Union Ministry of Housing and Urban Affairs, which initiative evaluates cities on climate resilience and sustainability performance?

- Ans**
- ☒ A. National Action Plan on Climate Change
 - ☒ B. Urban Climate Change Adaptation Programme
 - ☒ C. Climate Smart Cities Assessment Framework
 - ☒ D. National Mission on Sustainable Habitat

Q.60 The Balwantrai Mehta Committee recommended how many tiers of Panchayati Raj system in India?

- Ans**
- ☒ A. Four-tier
 - ☒ B. Two-tier
 - ☒ C. Three-tier
 - ☒ D. One-tier

Q.61 Programs like MS Word, MS Excel, and PowerPoint fall into which group?

- Ans**
- ☒ A. Hardware components
 - ☒ B. Application software
 - ☒ C. Booting programs
 - ☒ D. System software

Q.62 The Preamble to the Constitution of India is primarily based on which resolution drafted and introduced by Pandit Jawaharlal Nehru?

- Ans**
- ✓ A. Objectives Resolution
 - ✗ B. Fundamental Rights Resolution
 - ✗ C. Directive Principles Resolution
 - ✗ D. Fundamental Duties Resolution

Q.63 Which of the following provisions of the Constitution of India has a specific mention for the appointment of the Attorney General of India?

- Ans**
- ✓ A. Article 76
 - ✗ B. Article 240
 - ✗ C. Article 165
 - ✗ D. Article 211

Q.64 During **Seva Parv 2025** (17 September–2 October), what plantation target was fixed for **Uttar Pradesh** as part of the nationwide SDG-linked drive?

- Ans**
- ✗ A. 10 lakh saplings in the state
 - ✓ B. 15 lakh saplings in the state
 - ✗ C. 5 lakh saplings in the state
 - ✗ D. 20 lakh saplings in the state

Q.65 What is the aim of the Indian Government initiative Pradhan Mantri Gram Sadak Yojana (PMGSY)?

- Ans**
- ✓ A. Provide rural road connectivity
 - ✗ B. Promote bullet trains
 - ✗ C. Build national highways
 - ✗ D. Connect Waterways

Q.66 Which archaeological sites, besides Keeladi, have contributed to validating Sangam texts?

- Ans**
- ✗ A. Nal, Kalibangan, Mohenjo-Daro
 - ✗ B. Ajanta, Ellora, Hampi
 - ✓ C. Adichanallur, Korkai, Alangulam
 - ✗ D. Lothal, Dholavira, Harappa

Q.67 What is/are the element(s) or compound(s) that can be used in black and white photography?

- Ans**
- ✗ A. Only Ag
 - ✗ B. Only AgBr
 - ✓ C. AgCl and AgBr
 - ✗ D. Only AgCl

Q.68 Which of the following statements correctly explains the decline of metallic coins in the post-Gupta period?

- Ans**
- ✓ A. It resulted from reduced trade and rising land grants replacing cash payments.
 - ✗ B. It emerged because gold supplies increased and made minting coins unnecessary.
 - ✗ C. It happened because rulers preferred using older coins rather than minting new ones.
 - ✗ D. It occurred due to abundant commerce that reduced dependence on minted currency.

Q.69 What is the value of one tonne in SI units?

- Ans
- ☐ A. 10^5 kg
 - ☒ B. 10^3 kg
 - ☐ C. 10^2 kg
 - ☐ D. 10^4 kg

Q.70 The stabilisation measures introduced under India's New Economic Policy (NEP) of 1991 were primarily aimed at achieving which of the following immediate objectives?

- Ans
- ☒ A. Correcting balance of payment imbalances and controlling inflationary pressures
 - ☐ B. Encouraging foreign direct investment inflows and improving capital availability
 - ☐ C. Promoting disinvestment of public sector enterprises and reducing state control
 - ☐ D. Generating rural employment opportunities and strengthening agrarian livelihoods

Section : General Intelligence and Reasoning

Q.71 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(156, 204, 366)
(150, 162, 318)

- Ans
- ☐ A. (204, 101, 309)
 - ☐ B. (142, 165, 307)
 - ☐ C. (172, 141, 317)
 - ☒ D. (182, 164, 352)

Q.72 Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order.
Only K is kept above R. Only S is kept between R and I. Only J is kept below L.
How many boxes are kept between Q and R?

- Ans
- ☐ A. One
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. Two

Q.73 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All apples are fruits. Some fruits are sweet.

Conclusions

(I) Some apples are sweet.

(II) All fruits are apples.

- Ans
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☐ B. Only conclusion (II) follows
 - ☐ C. Both conclusions (I) and (II) follow
 - ☐ D. Only conclusion (I) follows

Q.74 What will come in place of '?' in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?
 $8 + 3 \div 116 - 4 \times 18 = ?$

- Ans
- ☐ A. 22
 - ☐ B. 19
 - ☒ C. 13
 - ☐ D. 15

Q.75 Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order.
K is kept third from the bottom. Only one box is kept above R. Only one box is kept between R and Q. J is kept immediately above L. I is kept at some place below S.
How many boxes are kept between S and J?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. One
 - ☒ D. Three

Q.76 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$1 \div 1 \times 1 + 2 - 49 = ?$$

- Ans**
- ☒ A. 49
 - ☒ B. 50
 - ☒ C. 46
 - ☒ D. 48

Q.77 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. XBA
 - ☒ B. ZDC
 - ☒ C. HMK
 - ☒ D. DHG

Q.78 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

OURS –UROS –ROUS
SAME –AMSE –MSAE

- Ans**
- ☒ A. HEAD-ADHE-DHAE
 - ☒ B. SELF-ELFS-LFSE
 - ☒ C. THEY-HEYT-TYEH
 - ☒ D. FEAR-EAFR-AFER

Q.79 Refer to the following letter series and answer the question.
(Left) L U H T R B F G A O D Q S I X M C K W (Right)
How many letters are there in the English alphabetical series between the letter which is sixth from the right end and seventh from the left end of the series?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. Five
 - ☒ D. Two

Q.80 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NSL HMF BGZ VAT ?

- Ans**
- ☒ A. PIN
 - ☒ B. PUN
 - ☒ C. PNK
 - ☒ D. PNU

Q.81 Refer to the following letter series and answer the question. (Counting to be done from left to right only)
(Left) Y O W G U R C X Z H M E S I K A Q D F T B (Right)
How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- Ans**  A. 1
 B. 2
 C. 3
 D. 4

Q.82 What should come in place of ? in the given series based on the English alphabetical order?
LNK NPM PRO RTQ ?

- Ans**  A. TUW
 B. TWR
 C. TUR
 D. TVS

Q.83 LEMO is related to RJST in a certain way based on the English alphabetical order. In the same way, JYKI is related to PDQN. To which of the following options is BNCX related, following the same logic?

- Ans**  A. SHIK
 B. HSIC
 C. KISH
 D. CISH

Q.84 R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table. Only three people sit between G and A when counted from the left of G. Only three people sit between N and E when counted from the right of E. R sits to the immediate right of N. I is an immediate neighbor of E as well as A. Who sits second to the left of D?

- Ans**  A. R
 B. A
 C. N
 D. I

Q.85 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

XBU TXQ PTM LPI ?

- Ans**  A. APT
 B. SEL
 C. KFO
 D. HLE

Q.86 R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table. Only one person sits between G and E when counted from the left of E. D sits third to the right of N. R sits third to the left of I. D sits to the immediate right of R. A is not an immediate neighbor of R. How many people sit between A and E when counted from the right of A?

- Ans**  A. Two
 B. One
 C. Three
 D. Four

Q.87 Each letter in the word PROVIDE is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is fourth from the right in the new letter cluster thus formed?

- Ans
- ☒ A. 9
 - ☒ B. 5
 - ☒ C. 6
 - ☒ D. 8

Q.88 In a certain code language, 'cap room apple' is coded as 'og uv bc' and 'apple queen book' is coded as 'wd og ex'. How is 'apple' coded in the given language?

- Ans
- ☒ A. bc
 - ☒ B. wd
 - ☒ C. og
 - ☒ D. uv

Q.89 In a certain code language,
A ÷ B means 'A is the son of B',
A # B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D + R # Y & H'?

- Ans
- ☒ A. Father's father
 - ☒ B. Mother's brother's son
 - ☒ C. Brother's son
 - ☒ D. Mother's brother

Q.90 What should come in place of '?' in the given series?

7 16 29 51 77 112 ?

- Ans
- ☒ A. 161
 - ☒ B. 150
 - ☒ C. 151
 - ☒ D. 160

Q.91 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some foods are rains.

All tables are rains.

Conclusions:

(I) Some foods are tables.

(II) All rains are tables.

- Ans
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Only conclusion (I) follows
 - ☒ D. Both conclusions (I) and (II) follow

Q.92 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. ZDB
 - ☒ B. VZX
 - ☒ C. BGD
 - ☒ D. YCA

Q.93 In a certain code language, 'world chest food' is coded as 'rn lu vd' and 'food sing sheep' is coded as 'bx rn ph'. How is 'food' coded in the given language?

- Ans**
- ☒ A. bx
 - ☒ B. lu
 - ☒ C. rn
 - ☒ D. vd

Q.94 Mr. Yorly starts from Point A and drives 4 km towards South. He then takes a left turn, drives 23 km, turns left and drives 8 km. He then takes a left turn and drives 41 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?
(All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ A. 19 km to the West
 - ☒ B. 20 km to the North
 - ☒ C. 21 km to the South
 - ☒ D. 18 km to the East

Q.95 In a certain code language,
A ≠ B means 'A is the sister of B'
A * B means 'A is the father of B'
A ; B means 'A is the son of B'
A + B means 'A is the wife of B'
Based on the above, how is F related to O if 'F ≠ G ; H + M * O'?

- Ans**
- ☒ A. Sister
 - ☒ B. Husband's father's sister
 - ☒ C. Wife
 - ☒ D. Brother's wife

Q.96 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. DGJ
 - ☒ B. NQT
 - ☒ C. BEG
 - ☒ D. PSV

Q.97 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

KF - MH - NP
MH - OJ - PR

- Ans**
- ☒ A. RL - SM - TU
 - ☒ B. QL - SN - TU
 - ☒ C. QL - SN - TV
 - ☒ D. RL - SN - TU

Q.98 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and G. F is kept at one of the positions below A. Only E is kept between G and D. C is kept at one of the positions above G. How many boxes are kept between A and D?

- Ans**
- ☐ A. 3
 - ☐ B. 2
 - ☒ C. 1
 - ☐ D. 4

Q.99 If 'P' stands for '÷', 'R' stands for '×', 'S' stands for '+' and 'Q' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$109 \text{ S } 256 \text{ P } 8 \text{ Q } 2 \text{ R } 17 \text{ Q } 58 = ?$$

- Ans**
- ☐ A. 81
 - ☐ B. 23
 - ☐ C. 57
 - ☒ D. 49

Q.100 What should come in place of the '?' in the given series?

$$232 \text{ ? } 204 \text{ } 288 \text{ } 176 \text{ } 316$$

- Ans**
- ☐ A. 250
 - ☒ B. 260
 - ☐ C. 270
 - ☐ D. 240



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	15/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 By selling lemons at 5 for a rupee, a man loses 34%. To gain 10% how many must he sell for a rupee?

- Ans
- ☒ A. 5
 - ☒ B. 4
 - ☒ C. 3
 - ☒ D. 2

Q.2 An article is sold at a profit of 21%. If the cost price is increased by ₹50 and the selling price is reduced by ₹69, then the profit would be 13.6%. What is the original cost price (in ₹) of the article?

- Ans
- ☒ A. 2,000
 - ☒ B. 1,700
 - ☒ C. 1,500
 - ☒ D. 1,400

Q.3 A man walks 6 km at a speed of 6 km/h and then runs 18 km at a speed of 9 km/h. What is his average speed (in km/h) for the entire distance?

- Ans
- ☒ A. 10
 - ☒ B. 9
 - ☒ C. 7
 - ☒ D. 8

Q.4 What is the mode of the following data?

43, 40, 41, 53, 50, 41, 44, 45, 43, 46, 48, 46, 51, 55, 52, 42, 46, 45

- Ans
- ☒ A. 46
 - ☒ B. 43
 - ☒ C. 40
 - ☒ D. 41

Q.5 A company has two departments, 'A' and 'B', with employees in the ratio 5:7, respectively. If 28 employees are transferred from department 'B' to 'A', the ratio becomes 1:1. How many employees does each department have originally?

- Ans**
- ☐ A. 140 in A, 84 in B
 - ☐ B. 150 in A, 84 in B
 - ☒ C. 140 in A, 196 in B
 - ☐ D. 140 in A, 96 in B

Q.6 Eduardo, Abraham and Xavier can finish a certain piece of work in 6, 34 and 36 days, respectively. All three of them started the work together. Eduardo left the work after 2 days and Abraham left just 3 days before the work was completed. Find the total number of days taken for the work to be completed.

- Ans**
- ☐ A. 11.7
 - ☐ B. 14.6
 - ☐ C. 15.2
 - ☒ D. 13.2

Q.7 Which formula correctly calculates simple interest when the principal, rate, and time are known?

- Ans**
- ☐ A. Simple Interest = Principal + Rate + Time
 - ☐ B. Simple Interest = Principal $\times$ Time / Rate
 - ☐ C. Simple Interest = Principal $\times$ Rate / Time
 - ☒ D. Simple Interest = (Principal $\times$ Rate $\times$ Time) / 100

Q.8 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 87% and 37%, shop II allows successive discounts of 81% and 37%, shop III allows successive discounts of 57% and 54% and shop IV allows successive discounts of 91%, 25%, and 59% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☒ A. IV
 - ☐ B. II
 - ☐ C. III
 - ☐ D. I

Q.9 What smallest positive number should be subtracted from 3 and 5 so that 8 is the third proportional to them?

- Ans**
- ☐ A. -2
 - ☐ B. 2
 - ☐ C. -1
 - ☒ D. 1

Q.10 Given that $\tan \theta = 2$ and θ is in the first quadrant, what is the value of $\sec \theta$?

- Ans**
- ☐ A. $\sqrt{2}$
 - ☐ B. 2
 - ☐ C. $\sqrt{3}$
 - ☒ D. $\sqrt{5}$

Q.11 Find the smallest number which when divided by 9, 12 and 15 leaves a remainder 3 in each case.

- Ans**
- ☐ A. 363
 - ☐ B. 723
 - ☐ C. 123
 - ☒ D. 183

Q.12 The difference between the measure of an interior angle and an exterior angle of a regular polygon is 100° . What is the number of sides of the polygon?

- Ans
- ☐ A. 12
 - ☐ B. 8
 - ☒ C. 9
 - ☐ D. 10

Q.13 A and B invest ₹12,000 and ₹8,000, respectively, in a business. If the total profit is ₹10,000, what is A's share of profit?

- Ans
- ☐ A. ₹4,000
 - ☐ B. ₹5,000
 - ☒ C. ₹6,000
 - ☐ D. ₹7,000

Q.14 The median of the given distribution is 28.5. Find the missing frequency x.

Class	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	5	x	20	15	7	5

- Ans
- ☐ A. 10
 - ☒ B. 8
 - ☐ C. 3
 - ☐ D. 5

Q.15 The cost of five tables and seven chairs is ₹7040. If a table costs ₹400 more than a chair, find the cost of a table.

- Ans
- ☐ A. ₹420
 - ☒ B. ₹820
 - ☐ C. ₹700
 - ☐ D. ₹800

Q.16 A water pipe is in the shape of a hollow cylinder with an outer radius of 10 cm and an inner radius of 8 cm. If the length of the pipe is 2 m, what is the total surface area (including both ends and the inner and outer curved surfaces) of the pipe in square centimeters? (Use $\pi = 22/7$ and rounded off to the nearest integer)

- Ans
- ☒ A. 22855 cm²
 - ☐ B. 25124 cm²
 - ☐ C. 22848 cm²
 - ☐ D. 18848 cm²

Q.17 If 40% of a number exceeds 25% of it by 42, then the number is:

- Ans
- ☐ A. 300
 - ☒ B. 280
 - ☐ C. 260
 - ☐ D. 320

Q.18 A and B can do a piece of work in 12 days and 30 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans
- ☐ A. 15
 - ☐ B. 18
 - ☐ C. 17
 - ☒ D. 16

Q.19 The largest four-digit number which when divided by 11, 7 and 14 leaves the remainder 2 in each case, is:

- Ans
- ☒ A. 9972
 - ☒ B. 9435
 - ☒ C. 9858
 - ☒ D. 9901

Q.20 Evaluate $23^3 + (-19)^3 + (-4)^3$

- Ans
- ☒ A. 4958
 - ☒ B. 5089
 - ☒ C. 5244
 - ☒ D. 4998

Q.21 Venu invested a certain sum of money at 10% per annum. After 2 years, he received ₹136.50 as compound interest, compounded annually. Find the corresponding simple interest (in ₹) for 2 years at the same rate.

- Ans
- ☒ A. 115
 - ☒ B. 125
 - ☒ C. 130
 - ☒ D. 120

Q.22 The simplified value of the expression $0.5 \times 0.125 \div 8^{-2}$ is ____.

- Ans
- ☒ A. 2
 - ☒ B. 1
 - ☒ C. 4
 - ☒ D. 8

Q.23 If $4^x - 4^{x-1} = 48$, then the value of $\frac{2x-1}{2x+3}$ is:

- Ans
- ☒ A. $\frac{5}{9}$
 - ☒ B. $\frac{5}{8}$
 - ☒ C. $\frac{5}{11}$
 - ☒ D. $\frac{5}{4}$

Q.24 A spherical tank has a diameter of 28 cm. What is the total surface area of the tank?
(Use $\pi = 22/7$)

- Ans
- ☒ A. 2456 cm²
 - ☒ B. 2458 cm²
 - ☒ C. 2464 cm²
 - ☒ D. 2460 cm²

Q.25 Patna Express leaves Delhi at 10:00 AM and reaches Patna at 7:00 PM the same day. Delhi Express leaves Patna at 2:00 PM and reaches Delhi at 1:00 AM on the next day. Both trains travel on the same route in opposite directions. At what time do they meet?

- Ans
- ☒ A. 04:45PM
 - ☒ B. 04:30PM
 - ☒ C. 03:45PM
 - ☒ D. 04:15PM

Q.26 A trader marks his goods such that even after allowing a discount of 25%, he makes a profit of 10%. If he gives only 10% discount, then find the profit percentage.

- Ans**
- ☐ A. 28%
 - ☐ B. 30%
 - ☐ C. 35%
 - ☒ D. 32%

Q.27 Ramu is 8 years older than Keeran. Seven years ago, Ramu's age was three times Keeran's age. Find the present age of Ramu.

- Ans**
- ☐ A. 25 years
 - ☐ B. 23 years
 - ☒ C. 19 years
 - ☐ D. 16 years

Q.28 A retailer has fixed the price of an article at 20% above the cost price. If he offers a discount of ₹2 for a purchase of ₹30, what is his gain or loss percentage?

- Ans**
- ☐ A. 16% gain
 - ☐ B. 11% loss
 - ☐ C. 14% gain
 - ☒ D. 12% gain

Q.29 A recipe requires 0.75 cups of sugar and $1\frac{1}{4}$ cups of flour. What is the total amount (in cups) of ingredients used, expressed as a decimal?

- Ans**
- ☐ A. 2.5
 - ☐ B. 2.05
 - ☒ C. 2.0
 - ☐ D. 1.95

Q.30 Find the value of $\sqrt{\frac{(169)^2 \times (2.56)^2 \times (0.25)^2}{(13)^4 \times (1.6)^4 \times (0.5)^2}}$.

- Ans**
- ☐ A. 0.05
 - ☐ B. 1.5
 - ☐ C. 1.05
 - ☒ D. 0.5

Section : General Awareness

Q.31 Seleucus sent his ambassador Megasthenes to the court of which Mauryan ruler at Pataliputra?

- Ans**
- ☐ A. Bindusara
 - ☐ B. Brihadratha
 - ☐ C. Ashoka
 - ☒ D. Chandragupta Maurya

Q.32 Which of the following statements is NOT correct regarding the Indian Desert (Thar Desert)?

- Ans**
- ☐ A. To the northwest of the Aravali hills lies the Great Indian desert
 - ☐ B. During the Mesozoic era, this region is believed to have been under the sea.
 - ☒ C. This region receives low rainfall below 15 mm per year
 - ☐ D. It has an arid climate with low vegetation cover

Q.33 In October 2025, India and Spain signed a Memorandum of Understanding (MoU) to develop a world-class convention center in which Indian state?

- Ans**
- ✓ A. Maharashtra
 - ✗ B. Gujarat
 - ✗ C. Tamil Nadu
 - ✗ D. Madhya Pradesh

Q.34 Rashtriya Avishkar Abhiyan, introduced in 2015, focuses on encouraging school students to develop interest in:

- Ans**
- ✗ A. Environmental awareness programmes
 - ✓ B. Science and mathematics learning
 - ✗ C. Sports and physical education
 - ✗ D. Arts and cultural activities

Q.35 Which of the following was officially named the Host City for the 2030 Centenary edition, following approval at the 2025 Commonwealth Sport General Assembly in Glasgow (UK)?

- Ans**
- ✓ A. Ahmedabad
 - ✗ B. Pune
 - ✗ C. New Delhi
 - ✗ D. Bhopal

Q.36 Which state, as of December 2025, holds the highest number of UNESCO World Heritage Sites in India with a total of five?

- Ans**
- ✗ A. Karnataka
 - ✓ B. Maharashtra
 - ✗ C. Rajasthan
 - ✗ D. Uttar Pradesh

Q.37 Which historical policy skewed China's gender ratio at birth?

- Ans**
- ✗ A. Gender Equity Law
 - ✗ B. Universal Healthcare Act
 - ✓ C. One-Child Policy
 - ✗ D. Rural Migration Ban

Q.38 The President of India's "pocket veto" refers to:

- Ans**
- ✗ A. vetoing a law secretly
 - ✗ B. returning a bill for reconsideration
 - ✗ C. refusing to sign the budget
 - ✓ D. keeping a bill pending indefinitely

Q.39 Which mountain range in India is one of the oldest fold mountains in the world?

- Ans**
- ✗ A. Eastern Ghats
 - ✗ B. Himalayas
 - ✗ C. Karakoram Range
 - ✓ D. Aravalli Range

Q.40 The Constitution (88th) Amendment Act, 2003, is related to which tax?

- Ans**
- ✗ A. Wealth Tax
 - ✗ B. Property Tax
 - ✓ C. Service Tax
 - ✗ D. Goods and Services Tax

Q.41 During which edition of the BIMSTEC Summit was the “Bangkok Vision 2030” approved?

- Ans**
- ☐ A. Fifth
 - ☐ B. Eighth
 - ☐ C. Third
 - ☒ D. Sixth

Q.42 Which of the following major battles did Maulvi Ahmadullah Shah participate in during the revolt of 1857?

- Ans**
- ☐ A. Battle of Kanpur
 - ☐ B. Battle of Plassey
 - ☐ C. Battle of Jhansi
 - ☒ D. Battle of Chinhaat

Q.43 Which of the following cricket players was awarded the Sir Garfield Sobers Award for ICC Men’s Cricketer of the Year 2024?

- Ans**
- ☒ A. Jasprit Bumrah
 - ☐ B. Travis Head
 - ☐ C. Joe Root
 - ☐ D. Mitchell Starc

Q.44 Who among the following presided over the first session of the Indian National Congress held in 1885?

- Ans**
- ☐ A. Dinshaw Wacha
 - ☐ B. Allan Octavian Hume
 - ☒ C. Womesh Chandra Bonnerjee
 - ☐ D. Dadabhai Naoroji

Q.45 The Munda languages of India belong to which language family?

- Ans**
- ☒ A. Austroasiatic
 - ☐ B. Sino-Tibetan
 - ☐ C. Indo-Aryan
 - ☐ D. Dravidian

Q.46 When was national Agriculture policy launched in India?

- Ans**
- ☐ A. 2007
 - ☐ B. 2002
 - ☒ C. 2000
 - ☐ D. 2005

Q.47 Which of the following Articles of the Indian Constitution provides free legal aid to the poor and weaker sections of the society?

- Ans**
- ☒ A. Article 39 A
 - ☐ B. Article 51 A
 - ☐ C. Article 29
 - ☐ D. Article 78

Q.48 Women's Reservation (The Constitution One Hundred Twenty-Eighth Amendment) Bill 2023 passed by the Parliament provides one-third reservation of all seats for women in Lok Sabha, state legislative assemblies and the Legislative Assembly of the National Capital Territory of Delhi for an initial period of how many years?

- Ans**
- ☐ A. 5 Years
 - ☐ B. 10 Years
 - ☐ C. 20 Years
 - ☒ D. 15 Years

Q.49 Which report, released in 2025, gives a perception-based safety score of urban women across 31 Indian cities?

- Ans**
- ☐ A. Women Safety Report 2025
 - ☐ B. Safe City Report 2025
 - ☐ C. Urban Women Index 2025
 - ☒ D. NARI 2025 Index

Q.50 What was the theme of the 10th National Consultation conducted on 11-12 October 2025?

- Ans**
- ☐ A. Digital Future for Children
 - ☐ B. Education for All
 - ☐ C. Protecting Child Labourers
 - ☒ D. Safeguarding the Girl Child

Q.51 The Fiscal Responsibility and Budget Management (FRBM) Act was enacted in which year in India?

- Ans**
- ☒ A. 2003
 - ☐ B. 2005
 - ☐ C. 2004
 - ☐ D. 2001

Q.52 Which region in India is best known for slash-and-burn agriculture (jhum)?

- Ans**
- ☒ A. North-Eastern Hills
 - ☐ B. Deccan Plateau
 - ☐ C. Western Ghats
 - ☐ D. Indo-Gangetic Plain

Q.53 In standard Windows Sleep mode on a laptop, where is the current session primarily stored while the machine is idle?

- Ans**
- ☐ A. Permanently in the BIOS chip
 - ☐ B. On the system drive only
 - ☒ C. In RAM, which remains powered with a small amount of electricity
 - ☐ D. In the CPU cache only

Q.54 India's Aeronautical Development Agency (ADA) successfully conducted the test launch of the Astra Beyond Visual Range Air-to-Air Missile (BVRAAM) from the LCA Tejas AF MK1 prototype in ____.

- Ans**
- ☐ A. Kerala
 - ☒ B. Odisha
 - ☐ C. Gujarat
 - ☐ D. Andhra Pradesh

Q.55 Which of the following states has high population density due to early human settlement and development?

- Ans**
- ☐ A. Meghalaya
 - ☐ B. Sikkim
 - ☒ C. Uttar Pradesh
 - ☐ D. Rajasthan

Q.56 The discovery of the atomic nucleus by bombarding a thin gold foil with alpha particles is associated with which of the following scientists?

- Ans**
- ☒ A. Ernest Rutherford
 - ☐ B. John Dalton
 - ☐ C. Robert Boyle
 - ☐ D. Dmitri Mendeleev

Q.57 The dominant sights at Lothal are the _____, which have helped make this place so important to international archaeology.

- Ans**
- ☐ A. Granaries
 - ☒ B. Dockyards
 - ☐ C. Great Baths
 - ☐ D. Citadels

Q.58 The process of growth and healing in the body is supported by which food component?

- Ans**
- ☐ A. Vitamins
 - ☐ B. Minerals
 - ☒ C. Proteins
 - ☐ D. Fats

Q.59 Ustad Bismillah Khan was most closely associated with which musical instrument?

- Ans**
- ☐ A. Sarod
 - ☒ B. Shehnai
 - ☐ C. Tabla
 - ☐ D. Sitar

Q.60 When you choose 'Shut down' in Windows, what happens?

- Ans**
- ☐ A. The PC saves the session to the disk and then powers off
 - ☒ B. All apps and data are closed and the PC powers off completely
 - ☐ C. The PC goes into stand-by mode
 - ☐ D. The PC enters a low-power state but keeps apps in memory

Q.61 The Central Administrative Tribunal (CAT) was established under which law?

- Ans**
- ☐ A. Central Services Act, 1985
 - ☐ B. Administrative Reforms Act, 1980
 - ☒ C. Administrative Tribunals Act, 1985
 - ☐ D. Public Service Commission Act, 1986

Q.62 Which Article of the Constitution of India grants the "Right to Constitutional Remedies," empowering individuals to move the Supreme Court for enforcement of Fundamental Rights?

- Ans**
- ☐ A. Article 21
 - ☐ B. Article 226
 - ☒ C. Article 32
 - ☐ D. Article 19

Q.63 In a laboratory, copper sulphate solution reacts with iron filings, causing a colour change and the deposition of a new metal. Which statement correctly explains the reason for this reaction?

- Ans**
- ☐ A. Copper is more reactive than iron
 - ☐ B. Iron and copper belong to the same group
 - ☐ C. Iron and copper sulphate have similar reactivity
 - ☒ D. Iron is more reactive than copper

Q.64 Which Constitutional Article was primarily referenced by the Supreme Court in the declaration of maternity leave being a constitutional right even for a third child, in May 2025?

- Ans**
- ☐ A. Article 27
 - ☐ B. Article 19
 - ☒ C. Article 21
 - ☐ D. Article 14

Q.65 Which part of the small intestine in the human digestive system receives bile from the gall bladder and pancreatic juice from the pancreas through a common bile duct?

- Ans**
- ☒ A. Duodenum
 - ☐ B. Jejunum
 - ☐ C. Ileum
 - ☐ D. Colon

Q.66 The Wahabi Movement primarily originated in which region of India?

- Ans**
- ☐ A. Bengal
 - ☐ B. Punjab
 - ☒ C. Bihar
 - ☐ D. Delhi

Q.67 Which among the following measures was introduced by Muhammad bin Tughlaq to address the shortage of silver?

- Ans**
- ☒ A. Token currency
 - ☐ B. Prohibition of wine
 - ☐ C. Garrison towns
 - ☐ D. Land revenue reforms

Q.68 How many control characters are included in the original 7-bit ASCII standard?

- Ans**
- ☐ A. 16
 - ☐ B. 64
 - ☒ C. 32
 - ☐ D. 33

Q.69 The speed at which a Central Processing Unit (CPU) executes instructions is primarily determined by its clock rate, which is typically measured in gigahertz (GHz). If a CPU has a clock rate of 3.5 GHz, approximately how many clock cycles occur every second?

- Ans**
- ☐ A. 350 cycles per second
 - ☐ B. 3.5 million cycles per second
 - ☒ C. 3.5 billion cycles per second
 - ☐ D. 3.5 thousand cycles per second

Q.70 The asthenosphere plays an important role in plate movements because:

- Ans**
- ☒ A. It is partially molten and allows plates to move
 - ☐ B. It is made of water bodies
 - ☐ C. It is perfectly solid and rigid
 - ☐ D. It forms the Earth's magnetic field

Section : **General Intelligence and Reasoning**

Q.71 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. AWY
 - ☐ B. CYA
 - ☒ C. OLM
 - ☐ D. EAC

Q.72 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CIF IOL OUR UAX ?

- Ans**
- ☐ A. STH
 - ☒ B. AGD
 - ☐ C. FYH
 - ☐ D. MFY

Q.73 The position(s) of how many letters will remain unchanged if each letter in the word COMBINE is arranged in the English alphabetical order?

- Ans**
- ☒ A. 1
 - ☐ B. 3
 - ☐ C. 0
 - ☐ D. 2

Q.74 DVUK is related to GZZQ in a certain way based on the English alphabetical order. In the same way, PLOI is related to SPTO. To which of the following options is YXDA related, following the same logic?

- Ans**
- ☐ A. BGIG
 - ☒ B. BBIG
 - ☐ C. GGBI
 - ☐ D. BGIB

Q.75 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept above F. Only three boxes are kept below C. B is kept above G but below D. E is kept immediately above F but below A. How many boxes are kept between A and C?

- Ans**
- ☐ A. One
 - ☒ B. Two
 - ☐ C. Three
 - ☐ D. None

Q.76 All 195 people are standing in a row facing north. Rt is 143rd from the left end while KI is 36th from the right end. How many people are there between Rt and KI?

- Ans**
- ☐ A. 14
 - ☐ B. 12
 - ☐ C. 13
 - ☒ D. 16

Q.77 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. GY - FV
 - ☒ B. TL - SI
 - ☒ C. AI - ZF
 - ☒ D. QC - PY

Q.78 In a certain code language, 'MOPS' is coded as '5863' and 'POEM' is coded as '8765'. What is the code for 'E' in the given code language?

- Ans**
- ☒ A. 6
 - ☒ B. 8
 - ☒ C. 7
 - ☒ D. 5

Q.79 Each vowel in the word 'VOLUNTARY' is changed to the second letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which letter will appear exactly twice in the group of letters thus formed?

- Ans**
- ☒ A. M
 - ☒ B. Q
 - ☒ C. W
 - ☒ D. K

Q.80 What should come in place of '?' in the given series based on the English alphabetical order?

MAI PEN SIS VMX ?

- Ans**
- ☒ A. YQC
 - ☒ B. ZRD
 - ☒ C. ZRC
 - ☒ D. APD

Q.81 If + means -, - means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$9 - 4 + 45 \times 5 \div 3 = ?$$

- Ans**
- ☒ A. 35
 - ☒ B. 30
 - ☒ C. 20
 - ☒ D. 25

Q.82 In a certain code language, 'FAME' is coded as '8341' and 'FEAL' is coded as '6438'. What is the code for 'L' in the given code language?

- Ans**
- ☒ A. 6
 - ☒ B. 8
 - ☒ C. 3
 - ☒ D. 4

Q.83 In a certain code language,
 $A \times B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A + B$ means 'A is the wife of B' and
 $A * B$ means 'A is the father of B'.

How is H related to J if ' $H - I + O * D \times J$ '?

- Ans ☒ A. Mother's mother's brother
☐ B. Mother's mother's father
☐ C. Son
☐ D. Husband

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☐ A. OP - EA
☐ B. UV - KG
☒ C. JK - WV
☐ D. MN - CY

Q.85 If + means $\times$, - means $\times$, $\times$ means $\div$, and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$38 - 25 \div 133 + 703 \times 19 = ?$$

- Ans ☒ A. 1046
☐ B. 1052
☐ C. 1191
☐ D. 1156

Q.86 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some cameras are pictures.
Some pictures are monkeys.

Conclusions:

(I) Some cameras are monkeys.
(II) All monkeys are pictures.

- Ans ☐ A. Both conclusions (I) and (II) follow
☐ B. Only conclusion (II) follows
☒ C. Neither conclusion (I) nor (II) follows
☐ D. Only conclusion (I) follows

Q.87 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All kings are buttons. No pants are kings.

Conclusion (I): All buttons are kings.

Conclusion (II): Some buttons are not pants.

- Ans ☐ A. Both conclusions (I) and (II) follow
☐ B. Only conclusion (I) follows
☒ C. Only conclusion (II) follows
☐ D. Neither conclusion (I) nor (II) follows

Q.88 What should come in place of '?' in the given series?
486 441 401 366 336 ?

- Ans
- ☒ A. 313
 - ☒ B. 310
 - ☒ C. 311
 - ☒ D. 312

Q.89 A, B, C, D, S, T and U are sitting around a circular table, facing the centre of the table. Only three people sit between B and C, when counted from the left of B. Only three people sit between U and T, when counted from the right of T. D sits to the immediate right of U. A is an immediate neighbor of T as well as C. Who sits second to the left of S?

- Ans
- ☒ A. A
 - ☒ B. C
 - ☒ C. T
 - ☒ D. U

Q.90 What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?
 $14 - 2 \times 48 + 3 \div 7 = ?$

- Ans
- ☒ A. 23
 - ☒ B. 19
 - ☒ C. 14
 - ☒ D. 7

Q.91 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FOL ZIF TCZ NWT ?

- Ans
- ☒ A. HQN
 - ☒ B. HNY
 - ☒ C. HNJ
 - ☒ D. HON

Q.92 Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north. Only E sits to the left of N. Only four people sit between E and T. Only U sits between I and L and I is not an immediate neighbor of T. Who sits at the extreme right of the line?

- Ans
- ☒ A. U
 - ☒ B. L
 - ☒ C. S
 - ☒ D. N

Q.93 KG 13 is related to IC -2 in a certain way. In the same way, NH 20 is related to LD 5. To which of the following is NW 24 related, following the same logic?

- Ans
- ☒ A. LS 9
 - ☒ B. MS 11
 - ☒ C. MR 11
 - ☒ D. LR 9

Q.94 What should come in place of '?' in the given series?
70 80 ? 106 122 140

- Ans
- ☒ A. 100
 - ☒ B. 94
 - ☒ C. 96
 - ☒ D. 92

Q.95 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 11, 31)
(13, 10, 41)

- Ans**
- ☒ A. (29, 19, 56)
 - ☒ B. (6, 1, 25)
 - ☒ C. (8, 22, 45)
 - ☒ D. (10, 20, 50)

Q.96 Sitara starts from Point A and drives 23 km towards the west. He then takes a left turn, drives 24 km, turns left and drives 33 km. He then takes a left turn and drives 34 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 11 km to the east
 - ☒ B. 10 km to the south
 - ☒ C. 8 km to the south
 - ☒ D. 9 km to the north

Q.97 Seven boxes L, M, N, O, P, Q and R are kept one over the other but not necessarily in the same order. Only one box is kept between R and O. R is kept on one of the positions above O. Box N is kept immediately below L. Q is placed at the topmost position. Exactly three boxes are kept between P and M. P is kept on one of the positions above M. Box M is kept immediately above O. Which box is kept fourth from the top?

- Ans**
- ☒ A. L
 - ☒ B. P
 - ☒ C. N
 - ☒ D. M

Q.98 Refer to the given letter series and answer the question that follows.

(Left) P W I C T G T X W J N L X T D X E S C S Z (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. None
 - ☒ D. Three

Q.99 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QMO–KGI
RNP–LHJ

- Ans**
- ☒ A. KFG–EAC
 - ☒ B. KGI–EAC
 - ☒ C. KFG–DZB
 - ☒ D. KGI–DAB

Q.100 In a certain code language,
A ÷ B means 'A is the son of B',
A # B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D & R # Y + H'?

- Ans
- ☐ A. Brother's brother
 - ☐ B. Wife's brother
 - ☒ C. Brother's wife's brother
 - ☐ D. Brother's wife's father



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	15/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 The difference in simple interest on a sum of money invested at 4% per annum for five years and for three years is ₹784. Find the simple interest (in ₹) on the same sum invested at the same rate of interest for eight years.

- Ans**
- ☒ A. 3136
 - ☐ B. 2352
 - ☐ C. 3920
 - ☐ D. 4144

Q.2 ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 60$ cm, $BC = 65$ cm, $DC = 18$ cm, and $AD = 10$ cm, then what is the length (in cm) of EF?

- Ans**
- ☐ A. 23
 - ☒ B. 21
 - ☐ C. 25
 - ☐ D. 22

Q.3 Simplify: $9^2 + \sqrt{4^2} - 7\sqrt{16} - 7$

- Ans**
- ☐ A. 45
 - ☐ B. 58
 - ☒ C. 50
 - ☐ D. 57

Q.4 A, B, and C can complete a work in 10, 12, and 15 days, respectively. A and B work together for 3 days, after which A withdraws. B and C then work together. Find the number of days required by B and C to complete the remaining work.

- Ans**
- ☐ A. 5 days
 - ☒ B. 3 days
 - ☐ C. 4 days
 - ☐ D. 6 days

Q.5 A hollow spherical shell is made of a metal of density 39 g/cm^3 . Its internal and external radii are 12 cm and 13 cm, respectively. What is the weight (in kg) of the shell?

$$\left(\text{Use } \pi = \frac{22}{7} \text{ and Density} = \frac{\text{Mass}}{\text{Volume}} \right)$$

- Ans ☒ A. 76.648
☐ B. 77.7
☐ C. 77.9
☐ D. 73.648

Q.6 A train passes two persons walking in the same direction in which the train is going. These persons are walking at the rates of 2 km/hr and 4 km/hr, respectively, and are completely crossed by the train in 9 seconds and 10 seconds, respectively. What is the length of the train?

- Ans ☐ A. 75 meters
☒ B. 50 meters
☐ C. 45 meters
☐ D. 55 meters

Q.7 The fourth proportional to the first number, the second number, and 20 is 36. If the sum of the first two numbers is 14, find the geometric mean of the first two numbers.

- Ans ☐ A. $5\sqrt{3}$
☒ B. $3\sqrt{5}$
☐ C. $5\sqrt{2}$
☐ D. $2\sqrt{5}$

Q.8 The sum of two positive numbers is 67 and their product is 1012. The positive difference between them is:

- Ans ☒ A. 21
☐ B. 30
☐ C. 13
☐ D. 24

Q.9 In a class, there are 10 boys more than girls. Each girl has 3 pencils and each boy has 2 pencils with them. The total number of pencils in the class is 170. The ratio of girls to boys in the class is ____.

- Ans ☐ A. 5:6
☐ B. 2:3
☒ C. 3:4
☐ D. 4:5

Q.10 A and B can do a piece of work in 12 days and 15 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans ☐ A. 8
☒ B. 6
☐ C. 7
☐ D. 5

Q.11 Which of the following numbers is divisible by 11?

- Ans ☐ A. 5281
☐ B. 4735
☒ C. 2145
☐ D. 3522

Q.12 Let both a and b be prime numbers such that $(a^2 + b)$ is also a prime number less than 20. What is the number of possible values of b ?

- Ans
- ☐ A. 6
 - ☐ B. 3
 - ☐ C. 5
 - ☒ D. 4

Q.13 What is the mode of the following data?

40, 47, 54, 45, 50, 43, 53, 52, 53, 49, 40, 50, 42, 52, 44, 52, 47, 55

- Ans
- ☐ A. 40
 - ☒ B. 52
 - ☐ C. 47
 - ☐ D. 54

Q.14 What is the greatest length of a measuring rod that can exactly measure three fabric pieces of lengths 7 m 35 cm, 9 m 45 cm, and 10 m 50 cm?

- Ans
- ☐ A. 1 m 25 cm
 - ☐ B. 1 m 15 cm
 - ☒ C. 1 m 5 cm
 - ☐ D. 1 m 35 cm

Q.15 A solid metallic sphere is melted and recast into a cone whose radius is equal to the radius of the sphere. If the height of the cone is 84 cm, what was the volume of the original sphere?

$\left(\text{Use } \pi = \frac{22}{7} \right)$

- Ans
- ☐ A. 49808 cm³
 - ☒ B. 38808 cm³
 - ☐ C. 27808 cm³
 - ☐ D. 16808 cm³

Q.16 If p is the third proportional to 6 and 18, and q is the third proportional to p and 54, find the value of q .

- Ans
- ☐ A. 36
 - ☐ B. 72
 - ☐ C. 18
 - ☒ D. 54

Q.17 The marked price of a refrigerator is ₹4,884. The shopkeeper allows a discount of 10% and gains 8%. If no discount is allowed, his gain percentage would be:

- Ans
- ☒ A. 20%
 - ☐ B. 40%
 - ☐ C. 30%
 - ☐ D. 10%

Q.18 A student scores an average of 72 marks in 5 subjects and 84 marks in 3 additional subjects. The overall average marks is

- Ans
- ☐ A. 75.25
 - ☐ B. 76.25
 - ☒ C. 76.5
 - ☐ D. 75.5

Q.19 The following ratios are given:
 $a : b = 2 : 3$
 $b : c = 4 : 5$
 $c : d = 3 : 2$
 $d : e = 5 : 4$
What is the value of the ratio $a : e$?

- Ans**
- ☐ A. 3 : 4
 - ☐ B. 3 : 5
 - ☒ C. 1 : 1
 - ☐ D. 4 : 7

Q.20 If a trader purchases 50 notebooks for ₹1000 and sells all at a gain of 20%, what is the selling price of each notebook?

- Ans**
- ☐ A. ₹20
 - ☒ B. ₹24
 - ☐ C. ₹22
 - ☐ D. ₹18

Q.21 A marker costs ₹43. A store offers "Buy 5, Get 2 Free". What is the effective price per marker? [Give your answer in ₹, correct to two places after decimal.]

- Ans**
- ☐ A. ₹32.71
 - ☐ B. ₹33.71
 - ☐ C. ₹31.71
 - ☒ D. ₹30.71

Q.22 The sum of the present ages of a father and his son is 50 years. Five years ago, the father's age was three times the son's age. By how many years is the father older than his son?

- Ans**
- ☐ A. 18
 - ☐ B. 21
 - ☐ C. 19
 - ☒ D. 20

Q.23 A scooter travels 40 km at 20 km/hr and returns 60 km at the same speed. What is the average speed?

- Ans**
- ☐ A. 25 km/hr
 - ☒ B. 20 km/hr
 - ☐ C. 22 km/hr
 - ☐ D. 24 km/hr

Q.24 A tech firm's revenue decreased from ₹2,50,000 to ₹2,12,500. What is the percentage decrease in the revenue?

- Ans**
- ☐ A. 10%
 - ☐ B. 20%
 - ☐ C. 12%
 - ☒ D. 15%

Q.25 The angles of depression of two ships from the top of a light house are 45° and 30° towards east. If the ships are 50 m apart, the height of the light house is

- Ans
- ☒ A. $50(\sqrt{3} + 1)$ m
 - ☒ B. $\frac{25}{\sqrt{3} + 1}$ m
 - ☒ C. $\frac{50}{\sqrt{3} + 1}$ m
 - ☒ D. $25(\sqrt{3} + 1)$ m

Q.26 The LCM of the numbers 5, 3.2 and 0.03 is:

- Ans
- ☒ A. 120
 - ☒ B. 185
 - ☒ C. 215
 - ☒ D. 240

Q.27 If the income tax is increased by 18%, the net income is reduced by 2%. Find the original rate of income tax.

- Ans
- ☒ A. 10%
 - ☒ B. 12%
 - ☒ C. 5%
 - ☒ D. 8%

Q.28 An article is sold at a profit of 58%. If the cost price is increased by ₹20 and the selling price is reduced by ₹74, then the profit would be 52.5%. What is the original cost price (in ₹) of the article?

- Ans
- ☒ A. 1,900
 - ☒ B. 2,100
 - ☒ C. 2,000
 - ☒ D. 2,200

Q.29 What sum (in ₹) will earn a simple interest of ₹1,440 in 3 years at 8% per year rate of interest?

- Ans
- ☒ A. 6,000
 - ☒ B. 3,000
 - ☒ C. 345.6
 - ☒ D. 12,000

Q.30 Simplify: $\left\{ \frac{20}{33} \div \frac{20}{7} \right\} \div \left(\frac{3}{5} \times \frac{10}{9} + \frac{2}{11} \right) + \frac{7}{4} \div \frac{28}{23}$ of $\frac{23}{4}$

- Ans
- ☒ A. $\frac{19}{29}$
 - ☒ B. $\frac{23}{31}$
 - ☒ C. $\frac{1}{2}$
 - ☒ D. $\frac{6}{19}$

Q.31 Solar energy is globally measured in the unit of KWh. The physical quantity corresponding to the unit KWh is _____.

- Ans**
- ☐ A. Current
 - ☒ B. Electric energy
 - ☐ C. Electric charge
 - ☐ D. Force

Q.32 Which of the following features of the Constitution of India is NOT borrowed from the United Kingdom?

- Ans**
- ☐ A. Speaker of Lok Sabha
 - ☐ B. Single citizenship
 - ☐ C. Bicameral Parliament
 - ☒ D. Appointment of state governors by the Centre

Q.33 Which Constitutional Amendment introduced 10% reservation for Economically Weaker Sections in education and jobs?

- Ans**
- ☒ A. 103rd Amendment
 - ☐ B. 98th Amendment
 - ☐ C. 102nd Amendment
 - ☐ D. 104th Amendment

Q.34 How many Departmentally Related Standing Committees (DRSCs) are there in the Indian Parliament?

- Ans**
- ☐ A. 15
 - ☒ B. 24
 - ☐ C. 31
 - ☐ D. 21

Q.35 Who wrote the iconic nationalist novel *Anandamath*?

- Ans**
- ☐ A. Sarat Chandra Chattopadhyay
 - ☐ B. Rabindranath Tagore
 - ☒ C. Bankim Chandra Chattopadhyay
 - ☐ D. Dinabandhu Mitra

Q.36 Who led the Ahom Revolt (1828–33) against British interference in Assam?

- Ans**
- ☒ A. Gomdhar Konwar
 - ☐ B. Harakanta
 - ☐ C. Piyali Phukan
 - ☐ D. Maniram Dutta

Q.37 The Banarasi, Patiala and Lucknow Gharanas are associated with which of the following musical styles?

- Ans**
- ☐ A. Chaiti
 - ☒ B. Thumri
 - ☐ C. Kajari
 - ☐ D. Tappa

Q.38 Which of the following is NOT an objective of the Pradhan Mantri Fasal Bima Yojana (PMFBY)?

- Ans**
- ☐ A. Stabilising farmers' income and ensuring continuation in farming activities
 - ☐ B. Promoting adoption of modern and innovative agricultural practices by farmers
 - ☒ C. Providing minimum support price for agricultural produce to farmers
 - ☐ D. Providing financial support to farmers facing crop loss due to unforeseen events

Q.39 Who won the Holberg Prize in 2025?

- Ans**
- ☐ A. Maithili Mrinalini
 - ☒ B. Gayatri Chakravorty Spivak
 - ☐ C. Vidya Balan
 - ☐ D. Urmila Satyanarayana

Q.40 A national emergency must be approved by Parliament within _____.

- Ans**
- ☐ A. 45 Days
 - ☒ B. 30 Days
 - ☐ C. 90 Days
 - ☐ D. 60 Days

Q.41 Which landmark case is credited with relaxing the rule of locus standi and establishing the foundation for Public Interest Litigation (PIL) in India?

- Ans**
- ☐ A. Minerva Mills vs. Union of India
 - ☐ B. Golaknath vs. State of Punjab
 - ☐ C. Maneka Gandhi vs. Union of India
 - ☒ D. S.P. Gupta vs. Union of India

Q.42 When lemon juice is added to milk, it forms paneer. This process is known as _____.

- Ans**
- ☒ A. Coagulation
 - ☐ B. Hydrolysis
 - ☐ C. Crystallization
 - ☐ D. Sedimentation

Q.43 A physicist is designing an experiment where the result depends on the product of force and velocity. Which of the following physical quantities is directly measured by this product, considering units and dimensions?

- Ans**
- ☐ A. Energy
 - ☐ B. Impulse
 - ☒ C. Power
 - ☐ D. Pressure

Q.44 In basketball, what does the term “triple-double” signify?

- Ans**
- ☐ A. Achieving double the points, rebounds, and assists in a single game
 - ☐ B. Making three consecutive dunks in a game
 - ☒ C. Recording double digits in three statistical categories
 - ☐ D. Committing three technical fouls in a match

Q.45 When was Oil India Limited (OIL) incorporated as a company?

- Ans**
- ☐ A. 1965
 - ☒ B. 1959
 - ☐ C. 1956
 - ☐ D. 1962

Q.46 Which three indicators are considered while calculating the Human Development Index (HDI)?

- Ans**
- ☐ A. Foreign exchange reserves, literacy rate, and poverty rate
 - ☒ B. Life expectancy, education, and per capita income
 - ☐ C. GDP, inflation rate, and unemployment rate
 - ☐ D. Industrial production, exports, and imports

Q.47 In Google Docs, when you press Ctrl + S, what technical action occurs in the background?

- Ans**
- ☐ A. The document is saved to local storage
 - ☐ B. The keyboard shortcut is not recognized
 - ☒ C. An immediate sync to Drive is triggered
 - ☐ D. The Save As dialog box appears on screen

Q.48 Which type of natural vegetation is typically found in regions with high temperature, high humidity, and rainfall exceeding 200 cm annually?

- Ans**
- ☐ A. Temperate grasslands
 - ☐ B. Thorn and scrub vegetation
 - ☒ C. Tropical evergreen forests
 - ☐ D. Tropical deciduous forests

Q.49 In November 2025, the first-ever auction of seven limestone mineral blocks was launched in which Union Territory?

- Ans**
- ☐ A. Puducherry
 - ☐ B. Andaman and Nicobar Islands
 - ☐ C. Chandigarh
 - ☒ D. Jammu & Kashmir

Q.50 According to the Census 2011, which state remained the most populous in India?

- Ans**
- ☒ A. Uttar Pradesh
 - ☐ B. Bihar
 - ☐ C. West Bengal
 - ☐ D. Maharashtra

Q.51 Which institute is partnering with the Ministry of Minority Affairs to provide future-tech training in Kerala on 8th October 2025 ?

- Ans**
- ☐ A. IIT Bombay
 - ☐ B. NIT Calicut
 - ☐ C. IIT Madras
 - ☒ D. IIT Palakkad

Q.52 Consider the following statements regarding RAM and ROM and select the correct option.

- (i) ROM is faster than RAM because it stores permanent system instructions accessed less frequently by the CPU.
(ii) RAM can be read from and written to by the CPU, but its contents are erased when the power is turned off.

- Ans**
- ☐ A. (i) True, (ii) True
 - ☐ B. (i) True, (ii) False
 - ☒ C. (i) False, (ii) True
 - ☐ D. (i) False, (ii) False

Q.53 The earliest evidence of stone tools in India has been found at:

- Ans**
- ☐ A. Mehrgarh
 - ☐ B. Lothal
 - ☐ C. Hunsgi Valley
 - ☒ D. Attirampakkam

Q.54 Who amongst the following won CNN-News18's Indian of the Year 2025 in sports?

- Ans**
- ☐ A. Mahendra Singh Dhoni
 - ☒ B. Jay Shah
 - ☐ C. Gautam Gambhir
 - ☐ D. Rahul Dravid

Q.55 Which Part of the Indian Constitution deals with Panchayats?

- Ans**
- ☐ A. Part V
 - ☒ B. Part IX
 - ☐ C. Part VII
 - ☐ D. Part XI

Q.56 Which of the following pairs of local names of Western Ghats and their respective states are correctly matched?

Local Name of Western Ghats Known in State

(1) Sahyadri Maharashtra

(2) Nilgiri Hills Karnataka and Tamil Nadu

(3) Anaimalai Hills Kerala

- Ans**
- ☒ A. 1, 2 and 3
 - ☐ B. Only 1 and 2
 - ☐ C. Only 1
 - ☐ D. Only 2 and 3

Q.57 Which tool is most commonly used by the Reserve Bank of India to regulate liquidity in the economy?

- Ans**
- ☒ A. Repo rate adjustment
 - ☐ B. Fiscal stimulus
 - ☐ C. Government subsidies
 - ☐ D. Tariff imposition

Q.58 The leader of the Rampa Revolt (1922–24) in Andhra Pradesh was:

- Ans**
- ☐ A. Chittu Pandey
 - ☒ B. Alluri Seetharama Raju
 - ☐ C. Ram Chandra Reddy
 - ☐ D. Durgawati Devi

Q.59 Which of the following correctly describes the role of the Windows operating system?

- Ans**
- ☒ A. Managing files and folders
 - ☐ B. Editing audio files
 - ☐ C. Designing multimedia presentations
 - ☐ D. Playing games

Q.60 Which of the following substances is considered neutral according to the pH scale?

- Ans**
- ☐ A. Sea water
 - ☒ B. Pure water
 - ☐ C. Stomach acid
 - ☐ D. Lime juice

Q.61 The 'Kensington Treaty' was signed between which of the following two countries in 2025?

- Ans**
- ☐ A. United Kingdom (UK) and France
 - ☒ B. United Kingdom (UK) and Germany
 - ☐ C. Germany and France
 - ☐ D. United Kingdom (UK) and Italy

Q.62 A window that covers the entire screen without showing the desktop behind it is said to be in:

- Ans**
- ☐ A. Restored mode
 - ☐ B. Hidden mode
 - ☒ C. Full-screen mode
 - ☐ D. Minimized mode

Q.63 Which of the following is NOT included in the four official meteorological seasons of India?

- Ans**
- ☐ A. Winter season
 - ☐ B. Summer season
 - ☒ C. Spring season
 - ☐ D. Rainy season

Q.64 National Unity Day, observed in India on 31 October 2025, commemorates the birth anniversary of which national leader?

- Ans**
- ☐ A. Jawaharlal Nehru
 - ☒ B. Sardar Vallabhbhai Patel
 - ☐ C. Mahatma Gandhi
 - ☐ D. Lal Bahadur Shastri

Q.65 How much funding did ADB pledge for India's urban infrastructure over the next five years from 2025 to 2030?

- Ans**
- ☐ A. USD 5 billion
 - ☐ B. USD 8 billion
 - ☐ C. USD 12 billion
 - ☒ D. USD 10 billion

Q.66 What was the central aim of Raja Rammohan Roy's Atmiya Sabha in early nineteenth-century Bengal?

- Ans**
- ☐ A. Supporting caste exclusiveness and encouraging ritualistic social customs
 - ☒ B. Opposing idolatry and promoting rational interpretation of Vedantic doctrine
 - ☐ C. Defending polytheistic worship and resisting all intellectual reform efforts
 - ☐ D. Propagating occult traditions and discouraging scientific modes of thinking

Q.67 As reiterated by the Supreme Court of India in September 2025, under which legislation does a Tribunal have the authority to order the eviction of a child from the property of a senior citizen in cases of failure to maintain them?

- Ans**
- ☐ A. Maintenance and Welfare of Parents and Senior Citizens Act, 2008
 - ☒ B. Maintenance and Welfare of Parents and Senior Citizens Act, 2007
 - ☐ C. Maintenance and Welfare of Parents and Senior Citizens Act, 2009
 - ☐ D. Maintenance and Welfare of Parents and Senior Citizens Act, 2006

Q.68 The Atal Tunnel is built in which Himalayan range?

- Ans**
- ☒ A. Karakoram Range
 - ☒ B. Pir Panjal Range
 - ☒ C. Zaskar Range
 - ☒ D. Dhauladhar Range

Q.69 Which of the following Chola rulers is credited with building a powerful navy and conquering Sri Lanka, Maldives, and Lakshadweep?

- Ans**
- ☒ A. Rajaraja I
 - ☒ B. Vijayalaya
 - ☒ C. Kulottunga I
 - ☒ D. Rajendra I

Q.70 When was the Telugu language declared as a classical language of India?

- Ans**
- ☒ A. 2007
 - ☒ B. 2006
 - ☒ C. 2008
 - ☒ D. 2005

Section : General Intelligence and Reasoning

Q.71 Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 9 6 3 1 8 7 2 9 5 6 1 4 7 5 3 4 5 6 2 6 8 7 2 3 7 6 5 8 (Right)

How many such even digits are there which are immediately preceded by a perfect square and immediately followed by an odd digit?
(NOTE: 1 is also a perfect square.)

- Ans**
- ☒ A. More than three
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.72 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. UX-QR
 - ☒ B. OR-KM
 - ☒ C. QT-MO
 - ☒ D. SV-OQ

Q.73 In a certain code language,
A \$ B means 'A is the father of B',
A @ B means 'A is the sister of B',
A # B means 'A is the wife of B' and
A & B means 'A is the brother of B'.

How is L related to T if 'L # I \$ G @ H & T'?

- Ans**
- ☒ A. Brother
 - ☒ B. Sister
 - ☒ C. Daughter
 - ☒ D. Mother

Q.74 What should come in place of the '?' in the given series?

7 11 20 24 46 50 ?

- Ans**
- ☒ A. 98
 - ☐ B. 96
 - ☐ C. 100
 - ☐ D. 102

Q.75 In a row of 122 students facing north, Ccd is 54th from the right end. If Vks is 17th to the left of Ccd, what is Vks's position from the left end of the line?

- Ans**
- ☒ A. 52nd
 - ☐ B. 53rd
 - ☐ C. 56th
 - ☐ D. 54th

Q.76 What should come in place of the '?' in the given series?

8 6 9 23 87 ?

- Ans**
- ☐ A. 421
 - ☒ B. 429
 - ☐ C. 437
 - ☐ D. 433

Q.77 Av, Bg, Ck, Dq, Et, Fx and Gp are sitting around a circular table, facing the centre. Bg sits second to the right of Av. Gp sits second to the left of Av. Dq sits third to the right of Gp. Ck sits to the immediate right of Fx. How many people sit between Et and Ck when counted from the left of Et?

- Ans**
- ☐ A. Two
 - ☐ B. Three
 - ☐ C. None
 - ☒ D. One

Q.78 What should come in place of '?' in the given series based on the English alphabetical order?

URW GDI SPU EBG ?

- Ans**
- ☒ A. QNS
 - ☐ B. LIN
 - ☐ C. NJP
 - ☐ D. PLR

Q.79 Seven boxes, B, C, D, E, Q, R and S, are kept one over the other, but not necessarily in the same order. Only one box is kept above E. Only two boxes are kept between C and E. B is kept immediately above E. Only Q is kept immediately below S. D is kept at some place below B and at some place above R. How many boxes are kept between B and S?

- Ans**
- ☐ A. Three
 - ☒ B. Four
 - ☐ C. One
 - ☐ D. Two

Q.80 MJ 8 is related to OM -6 in a certain way. In the same way, RW 12 is related to TZ -2. To which of the following is UR 1 related, following the same logic?

- Ans**
- ☐ A. KKO -12
 - ☐ B. YT -10
 - ☒ C. WU -13
 - ☐ D. UH -5

Q.81 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

- Ans** ☒ A. ZB – PH
☐ B. SU-KA
☐ C. UW-MC
☐ D. MO – EU

Q.82 In a certain code language, 'DOLT' is coded as '4963' and 'LOTS' is coded as '6435'. What is the code for 'S' in the given code language?

- Ans** ☐ A. 6
☒ B. 5
☐ C. 4
☐ D. 3

Q.83 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

QVI : KZJ

USH : OWI

- Ans** ☒ A. LQG : FUH
☐ B. CNK : WRJ
☐ C. BRH : VVF
☐ D. AHL : UMK

Q.84 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FHD GIE HJF IKG ?

- Ans** ☐ A. JKM
☒ B. JLH
☐ C. JMG
☐ D. JKG

Q.85 Seven people H, I, J, K, W, Y and Z are sitting around a circular table facing the center of the table. Only one person sits between H and W when counted from the left of W. Z sits third to the right of I. J sits third to the left of K. Z sits to the immediate right of J. Y is not an immediate neighbor of J. How many people sit between Y and W when counted from the right of Y?

- Ans** ☐ A. Two
☐ B. One
☒ C. Three
☐ D. Four

Q.86 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?
81 A 3 D 7 B 2 C 16 = ?

- Ans** ☐ A. 24
☐ B. 21
☒ C. 29
☐ D. 32

Q.87 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GAO 81 , EYM 75 , CWK 69 , AUI 63 , ?

- Ans
- ☐ A. YRJ 50
 - ☐ B. XRF 55
 - ☐ C. XSF 52
 - ☒ D. YSG 57

Q.88 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x', and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

25 A 51 D 3 B 6 C 5 = ?

- Ans
- ☒ A. 12
 - ☐ B. 14
 - ☐ C. 15
 - ☐ D. 10

Q.89 In a certain code language,
A % B means 'A is the sister of B'
A € B means 'A is the son of B'
A = B means 'A is the father of B'
A ? B means 'A is the daughter of B'
Based on the above, how is B related to X if 'B % C ? O € P = X'?

- Ans
- ☐ A. Mother's mother
 - ☐ B. Mother
 - ☐ C. Wife
 - ☒ D. Brother's daughter

Q.90 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All tigers are chairs.
All chairs are monks.

Conclusions:

(I) Some monks are chairs.
(II) All tigers are monks.

- Ans
- ☐ A. Only conclusion (II) follows
 - ☐ B. Only conclusion (I) follows
 - ☐ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Both conclusions (I) and (II) follow

Q.91 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 3 5 8 9 7 4 1 5 9 6 2 3 6 5 8 7 4 1 5 9 8 6 3 2 1 5 4 7 8 4 1 2 5 9 8 7 4 1 5 6 2 3 9 8 7 8 9
7 5 1(Right)
How many such odd digits are there, each of which is immediately preceded by a perfect cube and immediately followed by an even digit? (NOTE: 1 is also a perfect cube.)

- Ans
- ☐ A. 6
 - ☒ B. 5
 - ☐ C. 4
 - ☐ D. 8

Q.92 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 7 5 9 2 7 9 4 1 5 1 7 8 3 2 8 4 1 2 3 8 2 7 9 (Right)
How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☒ A. Three
☐ B. Two
☐ C. One
☐ D. None

Q.93 FR 6 is related to KN -6 in a certain way. In the same way, LU 9 is related to QQ -3. To which of the following is LS 14 related, following the same logic?

- Ans** ☒ A. QO 2
☐ B. YT 8
☐ C. PR 0
☐ D. GT 6

Q.94 Mr. Vasu starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 19 km, turns left and drives 36 km. He then takes a left turn and drives 19 km, turns left drives 9 km. He then takes a right turn and drives 5 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans** ☐ A. 8 km to the north
☐ B. 7 km to the south
☐ C. 4 km to the west
☒ D. 5 km to the east

Q.95 In a certain code language, 'VIBE' is coded as '4395' and 'BITE' is coded as '5914'. What is the code for 'T' in the given code language?

- Ans** ☒ A. 1
☐ B. 5
☐ C. 4
☐ D. 9

Q.96 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 7, 21)
(56, 28, 42)

- Ans** ☐ A. (114, 57, 72)
☐ B. (242, 121, 134)
☐ C. (346, 173, 188)
☒ D. (62, 31, 45)

Q.97 In a row of 15 students facing the north, Yusuf is 10th from the right end. If Suman is 4th to the left of Yusuf, what is Suman's position from the left end of the line?

- Ans** ☐ A. 1st
☒ B. 2nd
☐ C. 4th
☐ D. 3rd

Q.98 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ✓ A. XA – TU
 - ✗ B. RF – NB
 - ✗ C. MJ – IF
 - ✗ D. PL – LH

Q.99 Which two numbers should be interchanged to make the given equation correct?

$$(28 \div 4) \times 6 + 14 \times 3 - 7 \times 9 + (66 \div 2) + 38 = 67$$

- Ans**
- ✗ A. 4 and 7
 - ✗ B. 6 and 3
 - ✓ C. 2 and 3
 - ✗ D. 2 and 6

Q.100 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some poets are writers. All writers are dreamers.

Conclusions:

(I) Some dreamers are poets.

(II) All poets are dreamers.

- Ans**
- ✗ A. Neither conclusion (I) nor (II) follows
 - ✗ B. Both conclusions (I) and (II) follow
 - ✗ C. Only conclusion (II) follows
 - ✓ D. Only conclusion (I) follows



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	16/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

- Q.1** A shopkeeper offers the following schemes on toys of the same marked price.
 (A) Successive discounts of 50% and 16% on any number of toys bought.
 (B) Successive discounts of 49%, 8% and 13% on any number of toys bought.
 (C) 35% discount on the first 6 toys and 45% discount on each toy thereon.
 (D) On buying eight items, the customer is billed for only four items.
 A customer wants to buy 8 toys. Which of the above schemes is the least beneficial to her?

Ans ☒ A. B
☒ B. D
☒ C. C
☒ D. A

- Q.2** A shopkeeper buys two types of rice costing ₹32 per kg and ₹40 per kg. He buys a total of 45 kg of rice for ₹1600. The ratio of the quantity (in kg) of rice costing ₹32 per kg to that costing ₹40 per kg is

Ans ☒ A. 3:2
☒ B. 5:4
☒ C. 4:5
☒ D. 2:3

- Q.3** The value of the expression $0.125 \times 4^4 \times 2^{-5} \times 0.25^2 \times 8^2$ is ____.

Ans ☒ A. 2
☒ B. 16
☒ C. 4
☒ D. 8

- Q.4** Two taps can fill a cistern in 4 hours and 12 hours, respectively. A third tap can empty it in 12 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

Ans ☒ A. 4
☒ B. 2
☒ C. 3
☒ D. 1

Q.5 A total of money is split among E, F, G and H in the ratio 9:7:5:3. If G gets ₹4000 less than F, how much does E receive?

- Ans
- ☐ A. ₹16000
 - ☐ B. ₹20000
 - ☒ C. ₹18000
 - ☐ D. ₹17000

Q.6 A car travels from City A to City B at a speed of 60 km/h. After reaching City B, the driver increases the speed by 20 km/h for the return journey. Due to road repairs on the way back, the car is forced to slow down for 30 minutes, during which it travels at only 30 km/h instead of the increased speed. If the total time for the round trip is 7 hours, find the distance between City A and City B.

- Ans
- ☒ A. $229\frac{2}{7}$ km
 - ☐ B. $227\frac{2}{5}$ km
 - ☐ C. $219\frac{2}{7}$ km
 - ☐ D. $229\frac{2}{5}$ km

Q.7 The arithmetic mean of 10 observations is 42. Three of the observations are 30, 38, and 50. The remaining six observations have an average of 45. Find the missing observation.

- Ans
- ☐ A. 31
 - ☐ B. 33
 - ☒ C. 32
 - ☐ D. 34

Q.8 A sum of ₹20,000 amounts to ₹21,218 in 2 years under compound interest, compounded annually. Find the rate of interest per annum.

- Ans
- ☒ A. 3%
 - ☐ B. 5%
 - ☐ C. 8%
 - ☐ D. 4%

Q.9 Find the value of $\left\{3.46 + 3\frac{1}{4} - 5\frac{1}{8} + 4.25 + 0.165\right\}$.

- Ans
- ☐ A. 7
 - ☐ B. 7.4
 - ☒ C. 6
 - ☐ D. 6.8

Q.10 A sum of ₹8,000 is borrowed at a simple interest rate of 5% per annum for 3 years. What is the simple interest payable?

- Ans
- ☒ A. ₹1,200
 - ☐ B. ₹1,600
 - ☐ C. ₹1,400
 - ☐ D. ₹1,000

Q.11 The angle of elevation of the top of a building from a point 40 m away is 45° . What is the height of the building?

- Ans**
- ☒ A. 20 m
 - ☒ B. 40 m
 - ☒ C. 36 m
 - ☒ D. 30 m

Q.12 How many sides does a regular polygon have if each interior angle measures 150° ?

- Ans**
- ☒ A. 15 sides
 - ☒ B. 10 sides
 - ☒ C. 8 sides
 - ☒ D. 12 sides

Q.13 Simplify $\sqrt{1624 + \sqrt{3225 + \sqrt{419 + 157}}}$.

- Ans**
- ☒ A. 43
 - ☒ B. 45
 - ☒ C. 47
 - ☒ D. 41

Q.14 A closed cylindrical reservoir features a radius of 14 cm and a height of 10 cm. If 20% of the total surface area of this reservoir is coated in blue paint and the remaining surface is coated in red, determine the total area in square centimeters that is painted red. [Use $\pi = 22/7$]

- Ans**
- ☒ A. 424.4 cm^2
 - ☒ B. 422.4 cm^2
 - ☒ C. 1689.6 cm^2
 - ☒ D. 1687.6 cm^2

Q.15 A company has 10 officers and 30 clerks. The average monthly salary of an officer is ₹45,000 and that of a clerk is ₹25,000. What is the average salary of the entire staff?

- Ans**
- ☒ A. ₹35,000
 - ☒ B. ₹30,000
 - ☒ C. ₹28,000
 - ☒ D. ₹32,000

Q.16 The largest four-digit number which when divided by 12, 13 and 7 leaves remainder 3 in each case is:

- Ans**
- ☒ A. 9934
 - ☒ B. 9618
 - ☒ C. 9438
 - ☒ D. 9831

Q.17 A cyclist travels 40 meters in 8 seconds. What is his speed?

- Ans**
- ☒ A. 18 km/hr
 - ☒ B. 21 km/hr
 - ☒ C. 16 km/hr
 - ☒ D. 24 km/hr

Q.18 The HCF and LCM of two positive integers are 36 and 7,560, respectively. If one of the numbers is 540, what is the other number?

- Ans**
- ☐ A. 396
 - ☐ B. 468
 - ☐ C. 432
 - ☒ D. 504

Q.19 The diagonals of a rhombus are 19 cm and 29 cm. Find its area.

- Ans**
- ☐ A. 255.5 cm²
 - ☐ B. 265.5 cm²
 - ☒ C. 275.5 cm²
 - ☐ D. 285.5 cm²

Q.20 If $a:b = 12:13$ and $b:c = 4:5$, what is $a:c$?

- Ans**
- ☐ A. 12:5
 - ☐ B. 4:5
 - ☐ C. 4:13
 - ☒ D. 48:65

Q.21 The price of a jacket is first increased by 20% and then decreased by 25%. If the original price was ₹600, what is the final price of the jacket?

- Ans**
- ☐ A. ₹570
 - ☐ B. ₹600
 - ☐ C. ₹480
 - ☒ D. ₹540

Q.22 Evaluate $24^3 + (-5)^3 + (-19)^3$

- Ans**
- ☒ A. 6840
 - ☐ B. 6763
 - ☐ C. 6572
 - ☐ D. 6783

Q.23 A shopkeeper purchases rice at ₹60 per kg. While selling, he uses a weighing scale that shows 1 kg when only 900 g is actually weighed. He marks the price 20% above the cost price. Later, he gives a 10% discount on the marked price but continues using the same faulty scale. Find his profit (in ₹) on each transaction where the buyer pays for 1 kg.

- Ans**
- ☒ A. ₹10.80
 - ☐ B. ₹9.80
 - ☐ C. ₹10.20
 - ☐ D. ₹9.20

Q.24 Mary is 3 years older than her sister. If their combined age is 27 years, what is Mary's age (in years)?

- Ans**
- ☒ A. 15
 - ☐ B. 14
 - ☐ C. 13
 - ☐ D. 12

Q.25 A swimming pool is fitted with three pipes. The first two pipes working simultaneously, fill the pool in the same time as the third pipe alone. The second pipe alone fills the pool 5 hours faster than the first pipe and 4 hours slower than the third pipe. In what time will the second and third pipes together fill the pool?

- Ans ☐ A. 4 hours
- ☒ B. $3\frac{3}{4}$ hours
- ☐ C. $7\frac{1}{2}$ hours
- ☐ D. 6 hours

Q.26 A smart city metro line had an average of 4,500 daily riders last month. This month, it averaged 4,860 riders per day. What is the percentage growth in ridership?

- Ans ☐ A. 6.4%
- ☒ B. 8%
- ☐ C. 4.5%
- ☐ D. 10.2%

Q.27 Find the mean proportional between $(x + y)^2$ and $(x - y)^2$, (x and y are natural number and $x > y$).

- Ans ☐ A. $xy + x^2$
- ☐ B. $x^2 + y^2$
- ☐ C. $xy + y^2$
- ☒ D. $x^2 - y^2$

Q.28 If $\sqrt{x} = 5$, what is the value of $\sqrt{x + 25}$?

- Ans ☐ A. $3\sqrt{5}$
- ☐ B. $2\sqrt{5}$
- ☒ C. $5\sqrt{2}$
- ☐ D. $5\sqrt{3}$

Q.29 The marked price of a sweater is ₹600. The wholesaler offers a 20% discount to a retailer for up to 20 sweaters and a 25% discount if the order exceeds 20 sweaters. Find the amount paid by the retailer if he orders 22 such sweaters.

- Ans ☐ A. ₹9,250
- ☐ B. ₹9,500
- ☐ C. ₹9,850
- ☒ D. ₹9,900

Q.30 Ritu gets a discount of 40% on an oven whose marked price is ₹1000. Since she pays by credit card, she gets an additional 22% discount. How much does she pay (in ₹)?

- Ans ☐ A. 469
- ☒ B. 468
- ☐ C. 467
- ☐ D. 465

Section : General Awareness

Q.31 Which river forms a fertile region within parts of the Great Indian Desert?

- Ans ☐ A. Sabarmati River
- ☐ B. Narmada River
- ☐ C. Beas River
- ☒ D. Ghaggar River

Q.32 Which of the following cases for the first time held the Preamble to be part of the Constitution?

- Ans**
- ✓ A. Kesavananda Bharati Case, 1973
 - ✗ B. Golaknath Case, 1967
 - ✗ C. S.R. Bommai Case, 1994
 - ✗ D. Berubari Case, 1960

Q.33 Which of the following Government of India schemes was launched in 2017 to achieve universal household electrification by providing electricity connections to all un-electrified households in rural areas and all poor households in urban areas in the country?

- Ans**
- ✓ A. Saubhagya Scheme (Pradhan Mantri Sahaj Bijli Har Ghar Yojana)
 - ✗ B. Pradhan Mantri Ghar Ghar Bijili Yojana (PMGGBY)
 - ✗ C. Power for All Scheme
 - ✗ D. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)

Q.34 The historical chronicle Rajatarangini, which presents a detailed account of the kings of Kashmir, was composed by:

- Ans**
- ✗ A. Bilhana
 - ✗ B. Somadeva
 - ✓ C. Kalhana
 - ✗ D. Kshemendra

Q.35 Which Indian non-profit organization became the first Indian to win the Ramon Magsaysay Award in 2025?

- Ans**
- ✓ A. Educate Girls
 - ✗ B. Pratham
 - ✗ C. Akshaya Patra
 - ✗ D. Teach For India

Q.36 Which of the following Harappan sites is famous for its dockyard?

- Ans**
- ✗ A. Rakhigarhi
 - ✗ B. Kalibangan
 - ✓ C. Lothal
 - ✗ D. Nal

Q.37 Which of the following countries won the highest number of medals at the Summer Olympics 2024?

- Ans**
- ✗ A. Australia
 - ✗ B. India
 - ✗ C. China
 - ✓ D. United States of America

Q.38 In which kind of forest do the plants remain leafless for most of the year?

- Ans**
- ✗ A. Evergreen forests
 - ✗ B. Montane forest
 - ✓ C. Tropical thorn forest
 - ✗ D. Littoral and swamp forest

Q.39 The NITI Aayog, created in 2015, replaced the Planning Commission as part of India's development restructuring. What is the correct full form of NITI?

- Ans**
- ☐ A. National Independent Think-tank of India
 - ☐ B. National Interface for Technological Innovation
 - ☐ C. National Initiative for Traditional Industries
 - ☒ D. National Institution for Transforming India

Q.40 Which feature correctly describes the extremists' use of religious symbolism?

- Ans**
- ☒ A. Cultural symbols like Shivaji and Ganapati were used for political mobilisation.
 - ☐ B. Festivals were reorganised to discourage participation from non-Hindu groups
 - ☐ C. All movements were confined exclusively to Hindu religious gatherings.
 - ☐ D. Ritual worship was introduced into political meetings to replace speeches.

Q.41 Which human species is associated with the Upper Paleolithic cultural phase?

- Ans**
- ☐ A. Homo erectus populations moving out of Africa
 - ☐ B. Homo neanderthalensis in European and Asian regions
 - ☒ C. Anatomically Modern Homo sapiens across the Old World
 - ☐ D. Denisovan groups settled in mountain environments

Q.42 Which of the following is a physical change only?

- Ans**
- ☒ A. Crystallization
 - ☐ B. Oxidation
 - ☐ C. Combustion
 - ☐ D. Reduction

Q.43 Which Article of the Indian Constitution empowers Parliament to form new states or alter their boundaries?

- Ans**
- ☐ A. Article 6
 - ☒ B. Article 3
 - ☐ C. Article 5
 - ☐ D. Article 2

Q.44 Which of the following makes the Judiciary, the guardian of the Constitution?

- Ans**
- ☒ A. Judicial review
 - ☐ B. Independence
 - ☐ C. Service conditions
 - ☐ D. Judicial overreach

Q.45 What minimum distance should the reflecting surface be for an echo to be heard?

- Ans**
- ☐ A. 5 m
 - ☒ B. 17.2 m
 - ☐ C. 34.2 m
 - ☐ D. 10 m

Q.46 According to the Sustainable Development Report, 2025, what was India's standing in the SDG Index?

- Ans**
- ☒ A. 99th
 - ☐ B. 85th
 - ☐ C. 120th
 - ☐ D. 110th

Q.47 Susumu Kitagawa, Richard Robson and Omar M. Yaghi were awarded with Nobel Prize in 2025 for their contributions in which field?

- Ans**
- ☒ A. Chemistry
 - ☐ B. Medicine
 - ☐ C. Physics
 - ☐ D. Economic Sciences

Q.48 The Union Territories Laws (Amendment) Bill, 2024, does NOT propose to amend which of the following Acts?

- Ans**
- ☐ A. Jammu and Kashmir Reorganisation Act, 2019
 - ☐ B. Government of National Capital Territory of Delhi Act, 1991
 - ☒ C. Representation of the People Act, 1951
 - ☐ D. Government of Union Territories Act, 1963

Q.49 The primary focus of tertiary activities is:

- Ans**
- ☐ A. Extraction of natural resources
 - ☐ B. Wealth creation through agriculture
 - ☐ C. Transformation of raw materials
 - ☒ D. Production of intangible goods

Q.50 The Preamble declares India to be a Secular State. What is the meaning of this?

- Ans**
- ☒ A. State protects all religions equally
 - ☐ B. Citizens must not practise any religion
 - ☐ C. Religion is banned by the State
 - ☐ D. State promotes majority religion

Q.51 Kudremukh in Karnataka is famous for the mining of:

- Ans**
- ☒ A. Iron Ore
 - ☐ B. Manganese
 - ☐ C. Limestone
 - ☐ D. Copper

Q.52 Saang dance is a ritualistic popular traditional folk dance of _____, reflecting its culture in the true sense.

- Ans**
- ☐ A. Sikkim
 - ☐ B. Punjab
 - ☐ C. Kerala
 - ☒ D. Haryana

Q.53 In which of the following Indian states does the maximum portion of the Upper Ganga Plain extend?

- Ans**
- ☐ A. Bihar
 - ☐ B. West Bengal
 - ☐ C. Haryana
 - ☒ D. Uttar Pradesh

Q.54 Who among the following was awarded the Col. CK Nayudu Lifetime Achievement Award in the men's category at the BCCI Naman Awards 2025?

- Ans**
- ☐ A. Rahul Dravid
 - ☐ B. Rohit Sharma
 - ☒ C. Sachin Tendulkar
 - ☐ D. Sourav Ganguly

Q.55 The Vernacular Press Act (1878) targeted _____.

- Ans**
- ☒ A. Indian-language newspapers critical of British rule
 - ☐ B. Hindi educational journals during British rule
 - ☐ C. English newspapers only
 - ☐ D. Trade publications against British rule

Q.56 What is the main characteristic of cells in the meristematic phase of growth in plants?

- Ans**
- ☐ A. Large vacuoles
 - ☒ B. Active cell division
 - ☐ C. Maximum cell size
 - ☐ D. Thick cell walls

Q.57 In the Windows operating system, _____ is the first user-mode process that initializes system sessions and starts essential background services.

- Ans**
- ☐ A. Control Panel
 - ☐ B. Task Manager
 - ☐ C. Windows Explorer
 - ☒ D. Session Manager

Q.58 In 2025, which Danish autonomous territory drew global attention due to strategic interest by major powers, echoing Trump's 2019 acquisition bid?

- Ans**
- ☐ A. Svalbard
 - ☐ B. Faroe Islands
 - ☒ C. Greenland
 - ☐ D. Iceland

Q.59 Which of the following vehicles was used to launch the SpaDex mission by the Indian Space Research Organisation?

- Ans**
- ☐ A. GSLV Mk II
 - ☐ B. SSLV-D2
 - ☐ C. GSLV Mk III
 - ☒ D. PSLV-C60

Q.60 Who were referred to as Uzhavar in Sangam literature?

- Ans**
- ☒ A. Ploughmen
 - ☐ B. Large landowners
 - ☐ C. Slaves
 - ☐ D. Priests

Q.61 Which user interface requires users to type instructions using the keyboard to perform tasks?

- Ans**
- ☐ A. Touch-based Interface
 - ☐ B. Voice-based Interface
 - ☐ C. Graphical User Interface
 - ☒ D. Command-based Interface

Q.62 The deficiency of which vitamin can lead to night blindness?

- Ans**
- ☐ A. Vitamin B12
 - ☒ B. Vitamin A
 - ☐ C. Vitamin D
 - ☐ D. Vitamin C

Q.63 Which advanced Task Manager function allows users to analyze process dependencies to identify which background services a program relies on?

- Ans**
- ☐ A. Go to Details
 - ☐ B. Open File Location
 - ☐ C. End Task
 - ☒ D. Analyze Wait Chain

Q.64 Which rewritable optical disc format allows users to erase and update data multiple times?

- Ans**
- ☒ A. Compact Disc-ReWritable
 - ☐ B. Central Directory-ReWritable
 - ☐ C. Controlled Disc-ReWriter
 - ☐ D. Computer Disc-ReadWrite

Q.65 Which archaeological site revealed the earliest known public water tank of the ancient world, famously referred to as the Great Bath?

- Ans**
- ☐ A. Dholavira
 - ☒ B. Mohenjo-daro
 - ☐ C. Lothal
 - ☐ D. Surkotada

Q.66 Which period is associated with the Extremist phase of the Indian National Congress?

- Ans**
- ☐ A. 1947–1950
 - ☐ B. 1885–1905
 - ☒ C. 1905–1919
 - ☐ D. 1920–1947

Q.67 Which of the following has NOT aided in Globalisation of the Indian economy?

- Ans**
- ☐ A. Reduction of trade barriers
 - ☐ B. Emergence of multinational companies in India
 - ☐ C. E-commerce
 - ☒ D. Farm subsidies

Q.68 According to the Women, Peace and Security (WPS) Index 2025/26, what is India's rank out of 181 countries?

- Ans**
- ☐ A. 121st
 - ☐ B. 111th
 - ☒ C. 131st
 - ☐ D. 141st

Q.69 According to the Constitution of India, the 'Right to Freedom' is specifically guaranteed under which exact set of Articles?

- Ans**
- ☐ A. Articles 14, 15, 16 and 17
 - ☐ B. Articles 23, 24, 25 and 26
 - ☒ C. Articles 19, 20, 21 and 22
 - ☐ D. Articles 32, 33, 34 and 35

Q.70 Wasteland refers to:

- Ans**
- ☐ A. Land covered by forests
 - ☒ B. Land not suitable for cultivation due to natural or human causes
 - ☐ C. Urban green areas
 - ☐ D. River valley fertile land

Q.71 Each vowel in the word LIMEADE is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. Zero
 - ☒ D. One

Q.72 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
EAW 87 ZVR 75 UQM 63 PLH 51 ?

- Ans**
- ☒ A. KHB 39
 - ☒ B. KSB 38
 - ☒ C. KFB 38
 - ☒ D. KGC 39

Q.73 In a row of 46 people facing the north, Batul sits 33rd from the right end. If Jaya sits 31st from the left end of the row, how many people sit between Batul and Jaya?

- Ans**
- ☒ A. 13
 - ☒ B. 16
 - ☒ C. 14
 - ☒ D. 18

Q.74 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

$$40 \text{ D } 5 \text{ A } 8 \text{ C } 2 \text{ B } 12 = ?$$

- Ans**
- ☒ A. 12
 - ☒ B. 10
 - ☒ C. 14
 - ☒ D. 16

Q.75 In a certain code language, 'watch bow third' is coded as 'ft gb vs' and 'canoe watch art' is coded as 'vs rp hr'. How is 'watch' coded in the given language?

- Ans**
- ☒ A. gb
 - ☒ B. vs
 - ☒ C. rp
 - ☒ D. ft

Q.76 What should come in place of '?' in the given series based on the English alphabetical order?

KFS GBO CXK YTG ?

- Ans**
- ☒ A. VSF
 - ☒ B. VWD
 - ☒ C. WDG
 - ☒ D. UPC

Q.77 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some wings are toys. No toys are pens.

Conclusion (I): No pens are wings.

Conclusion (II): Some wings are not pens.

- Ans**
- ☒ A. Only conclusion (II) follows
 - ☐ B. Only conclusion (I) follows
 - ☐ C. Both conclusions (I) and (II) follow
 - ☐ D. Neither conclusion (I) nor (II) follows

Q.78 Refer to the following letter series and answer the question. (Counting to be done from left to right only)
(Left) D F T B M E Q Y O W G U S I K A R C X Z H (Right)
How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- Ans**
- ☐ A. 2
 - ☒ B. 5
 - ☐ C. 3
 - ☐ D. 4

Q.79 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CFG : GJK ;

KMP : OQT

- Ans**
- ☒ A. GNP : KRT
 - ☐ B. LMI : NOK
 - ☐ C. DJL : AGI
 - ☐ D. ACH : BDI

Q.80 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. TG - QE
 - ☒ B. ZI - WF
 - ☐ C. UC - RA
 - ☐ D. XD - UB

Q.81 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of the question mark '?' in the following equation?

$$2 \text{ B } 32 \text{ A } 1 \text{ D } 1 \text{ C } 45 = ?$$

- Ans**
- ☒ A. 108
 - ☐ B. 110
 - ☐ C. 106
 - ☐ D. 109

Q.82 KEGJ is related to RLNQ in a certain way based on the English alphabetical order. In the same way, NHJM is related to UOQT. To which of the following is QKMP related, following the same logic?

- Ans**
- ☐ A. RXWT
 - ☐ B. RXTW
 - ☐ C. XRWT
 - ☒ D. XRTW

Q.83 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above O. Only three boxes are kept between O and S. Only one box is kept between Q and M. M is kept immediately above S. Only four boxes are kept between Q and P. R is kept at some place above N. Which box is kept second below R?

- Ans**
- ☒ A. Q
 - ☒ B. S
 - ☒ C. O
 - ☒ D. N

Q.84 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. YAD
 - ☒ B. EHJ
 - ☒ C. MOR
 - ☒ D. SUX

Q.85 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only four boxes are kept between Q and O. Only P is kept above Q. Only two boxes are kept between N and R. S is kept immediately above M. R is not kept immediately above S. Which box is kept fourth from the top?

- Ans**
- ☒ A. S
 - ☒ B. O
 - ☒ C. P
 - ☒ D. M

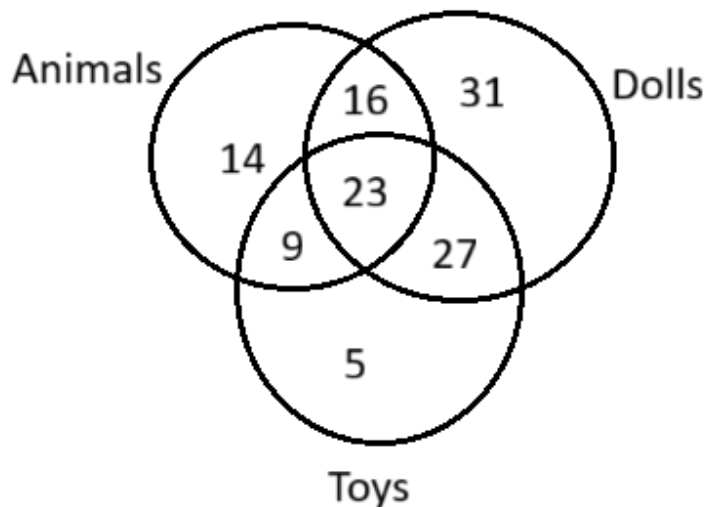
Q.86 In a certain code language,
A @ B means 'A is the mother of B',
A × B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D ÷ R + Y @ H'?

- Ans**
- ☒ A. Mother's sister
 - ☒ B. Sister
 - ☒ C. Mother's mother
 - ☒ D. Mother

Q.87 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)

How many such Animals are there which are also Toys but are not Dolls?



- Ans** ☒ A. 9
☒ B. 31
☒ C. 5
☒ D. 16

Q.88 In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the wife of B',
A × B means 'A is the father of B', and
A ÷ B means 'A is the mother of B'.
Based on the above, how is U related to Y if 'U - V × W + X ÷ Y'?

- Ans** ☒ A. Mother's mother
☒ B. Father's mother
☒ C. Father's sister
☒ D. Mother's sister

Q.89 Each of the digits in the number 5421389 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans** ☒ A. THREE
☒ B. NONE
☒ C. TWO
☒ D. ONE

Q.90 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☒ A. XTW
☒ B. IEH
☒ C. GEF
☒ D. NJM

Q.91 Town J is to the west of Town T. Town R is to the east of Town T. Town K is to the south of Town R. Town M is to the west of Town K. Town M is to the south-west of Town T. Town J is to the north of Town M. What is the position of Town J with respect to Town K?

- Ans**
- ☐ A. South-east
 - ☐ B. South-west
 - ☐ C. North-east
 - ☒ D. North-west

Q.92 What should come in place of the '?' in the given series?

8 22 64 134 232 ?

- Ans**
- ☐ A. 345
 - ☐ B. 385
 - ☒ C. 358
 - ☐ D. 354

Q.93 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

JTT : OQS

NQS : SNR

- Ans**
- ☒ A. EOR : JLQ
 - ☐ B. VMK : QKJ
 - ☐ C. SGD : NDB
 - ☐ D. TUJ : ORK

Q.94 Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north. Only five people sit between I and L. S sits to the immediate left of L. Only one person sits between S and N. U sits at some place to the left of E but at some place to the right of T. Who sits third from the left end of the line?

- Ans**
- ☒ A. U
 - ☐ B. T
 - ☐ C. E
 - ☐ D. N

Q.95 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

19, 229

22, 265

- Ans**
- ☐ A. 24, 252
 - ☐ B. 23, 278
 - ☒ C. 28, 337
 - ☐ D. 26, 314

Q.96 Seven people, Manu, Neha, Ojas, Pooja, Shina, Tina and Upendra, are sitting around a circular table, facing the centre. Neha sits second to the left of Ojas. Upendra sits second to the left of Neha. Tina sits to the immediate left of Shina. Manu is not an immediate neighbour of Upendra. How many people sit between Manu and Upendra, when counted from the left of Manu?

- Ans**
- ☐ A. Three
 - ☒ B. Two
 - ☐ C. None
 - ☐ D. One

Q.97 Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 9 6 5 9 9 7 7 9 7 9 3 6 2 1 2 1 6 9 1 7 4 7 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Four

Q.98 In a certain code language, 'know city routes' is coded as 'ha mi ko' and 'city lights beautiful' is coded as 'ly ha jh'. How is 'city' coded in the given language?

- Ans**
- ☒ A. jh
 - ☒ B. ko
 - ☒ C. ly
 - ☒ D. ha

Q.99 What should come in place of '?' in the given series?

41 53 66 80 95 111 ?

- Ans**
- ☒ A. 131
 - ☒ B. 134
 - ☒ C. 128
 - ☒ D. 123

Q.100 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

JKA KNF LQK MTP ?

- Ans**
- ☒ A. MNG
 - ☒ B. OIU
 - ☒ C. NWU
 - ☒ D. MKJ



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	16/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Find the volume of a cylinder whose height is 21 cm and its radius is $\frac{3}{5}$ of the radius of another cylinder with a volume of 317900 cm^3 and a height of 14 cm. (Use $\pi = 22/7$)

- Ans
- ☒ A. 171656 cm^3
 - ☒ B. 161666 cm^3
 - ☒ C. 171660 cm^3
 - ☒ D. 171666 cm^3

Q.2 A recipe uses 2 cups of rice for every 3 cups of water. If you want to cook using 6 cups of rice, how much water will you need?

- Ans
- ☒ A. 7 cups
 - ☒ B. 9 cups
 - ☒ C. 3 cups
 - ☒ D. 6 cups

Q.3 The sum of two positive numbers is 36 and their product is 180. The positive difference between them is:

- Ans
- ☒ A. 24
 - ☒ B. 34
 - ☒ C. 37
 - ☒ D. 32

Q.4 Simplify: $\frac{\sin^2 A}{1 - \cos A} + \frac{\sin^2 A}{1 + \cos A}$

- Ans
- ☒ A. 3
 - ☒ B. 2
 - ☒ C. 4
 - ☒ D. 1

Q.5 The sides of a triangle are 75 cm, 21 cm, and 72 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 21 cm?

- Ans
- ☐ A. 107
 - ☐ B. 65
 - ☐ C. 90
 - ☒ D. 72

Q.6 A, B and C started a business, investing amounts of ₹1,960, ₹1,660, and ₹1,130 respectively. If B's share in the profit earned by them is ₹968, what is the difference in the profit (in ₹) earned by A and C?

- Ans
- ☐ A. ₹487
 - ☐ B. ₹486
 - ☐ C. ₹482
 - ☒ D. ₹484

Q.7 What will be the total amount payable after 3 years on a principal of ₹4,000 at 5% per annum, compounded annually?

- Ans
- ☐ A. ₹4,550.50
 - ☐ B. ₹4,050.50
 - ☐ C. ₹4,600.50
 - ☒ D. ₹4,630.50

Q.8 What is the simplified value of the following expression?

$$\{(3^3 + 5^2) \times 2^3 - 4^3\} \div (7 - 3)$$

- Ans
- ☒ A. 88
 - ☐ B. 95
 - ☐ C. 44
 - ☐ D. 84

Q.9 Chetan's salary is ₹17,000 per month. He spends ₹4,000 on house rent, ₹2,500 on bills, and the rest of the amount is his monthly savings. Find his savings (in ₹) in a year, if in the month of his birthday, he spent his complete monthly savings for a birthday celebration.

- Ans
- ☐ A. 94,500
 - ☐ B. 1,26,000
 - ☒ C. 1,15,500
 - ☐ D. 1,05,000

Q.10 A trader buys 20 kg of rice for ₹1,000. He sells the rice at the rate of ₹60 per kg. What is the percentage profit made by the trader?

- Ans
- ☒ A. 20%
 - ☐ B. 18%
 - ☐ C. 15%
 - ☐ D. 22%

Q.11 What is the smallest 5-digit number that is exactly divisible by 12, 15 and 20?

- Ans
- ☐ A. 10080
 - ☒ B. 10020
 - ☐ C. 10200
 - ☐ D. 10320

Q.12 The average age of 7 students in a class is 17 years. When a new student join the class, the average age of the class becomes 18 years. Find the age of the new student.

- Ans**
- ☐ A. 20 years
 - ☐ B. 26 years
 - ☒ C. 25 years
 - ☐ D. 23 years

Q.13 A military camp has provisions for 360 soldiers for 50 days. After 10 days, 120 more soldiers arrive at the camp. Assuming the daily consumption per soldier remains constant, for how many more days will the remaining provisions last?

- Ans**
- ☒ A. 30 days
 - ☐ B. 25 days
 - ☐ C. 32 days
 - ☐ D. 28 days

Q.14 If 45% of a number exceeds 20% of it by 36, then the number is:

- Ans**
- ☐ A. 124
 - ☒ B. 144
 - ☐ C. 184
 - ☐ D. 164

Q.15 A car travels the first 60 km at 45 km/hr and the next 90 km at 60 km/hr. What is the average speed for the entire journey?
(Round off your answer to two decimal places.)

- Ans**
- ☐ A. 50.78 km/hr
 - ☒ B. 52.94 km/hr
 - ☐ C. 54.56 km/hr
 - ☐ D. 53.84 km/hr

Q.16 If the sum of the ages of a father and son is 56 years and the father is 24 years older than his son, what is the son's age (in years)?

- Ans**
- ☒ A. 16
 - ☐ B. 32
 - ☐ C. 24
 - ☐ D. 20

Q.17 Two taps can fill a cistern in 4 hours and 9 hours, respectively. A third tap can empty it in 9 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans**
- ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☒ D. 1

Q.18 Two trains are running on parallel tracks in the same direction. Train A is 90 m long and moves at 54 km/h. Train B is 75 m long and moves at 36 km/h. How much time will Train A take to completely overtake Train B?

- Ans**
- ☐ A. 25 seconds
 - ☐ B. 30 seconds
 - ☒ C. 33 seconds
 - ☐ D. 22 seconds

Q.19 Simplify

$$\sqrt{\sqrt{\sqrt{256} + \sqrt{144} + (2\sqrt{2})^2} + \sqrt{841} \times (\sqrt{2})^2}$$

- Ans
- ☒ A. $(3\sqrt{2})^2$
 - ☒ B. $(\sqrt{2})^2$
 - ☒ C. $(2\sqrt{2})^2$
 - ☒ D. $(4\sqrt{2})^2$

Q.20 A student's marks were incorrectly entered as 37 instead of 22. Due to this, the average marks of the class got increased by $\frac{5}{4}$.

What is the number of students in the class?

- Ans
- ☒ A. 4
 - ☒ B. 11
 - ☒ C. 12
 - ☒ D. 21

Q.21 What is the mean proportional between 0.0009 and 0.25?

- Ans
- ☒ A. 0.015
 - ☒ B. 0.16
 - ☒ C. 0.016
 - ☒ D. 0.15

Q.22 A grocery store gives a Buy 5, Get 2 Free offer. The price of each item is ₹300. A customer needs a total of 21 items and procures the items under this scheme. What is the effective cost per item? (Round off your answer to two decimal places.)

- Ans
- ☒ A. ₹214.45
 - ☒ B. ₹114.29
 - ☒ C. ₹241.29
 - ☒ D. ₹214.29

Q.23 If the interest on a sum of ₹y at 2% per annum compounded annually for 2 years is ₹404, then the total amount payable at the end of the two-year period will be _____.

- Ans
- ☒ A. ₹10,404
 - ☒ B. ₹10,604
 - ☒ C. ₹10,704
 - ☒ D. ₹10,504

Q.24 A hollow spherical shell is made of a metal of density 10 g/cm^3 . Its internal and external radius are 1 cm and 4 cm, respectively. What is the weight (in kg) of the shell?

$$\left(\text{Use } \pi = \frac{22}{7} \text{ and Density} = \frac{\text{Mass}}{\text{Volume}} \right)$$

- Ans
- ☒ A. 2.24
 - ☒ B. 1.98
 - ☒ C. 1.92
 - ☒ D. 2.64

Q.25 Find the smallest natural number x , for which $2x + 1$ is not a prime number.

- Ans
- ☐ A. 3
 - ☐ B. 2
 - ☒ C. 4
 - ☐ D. 5

Q.26 If on a sale, there is 40% discount on the marked price of ₹1,200, but the sale is done at ₹520 only, then how much additional discount did the customer get?

- Ans
- ☐ A. $25\frac{7}{9}\%$
 - ☒ B. $27\frac{7}{9}\%$
 - ☐ C. $26\frac{7}{9}\%$
 - ☐ D. $28\frac{7}{9}\%$

Q.27 15 men and 19 women can complete a piece of work in 8 days, and 9 men and 4 women can complete the same work in 14 days. The work of how many women is equivalent to that of one man?

- Ans
- ☐ A. 18
 - ☐ B. 17
 - ☐ C. 15
 - ☒ D. 16

Q.28 Two numbers differ by 8. If five times the smaller number is subtracted from twice the larger number, the result is 13. What is the larger number?

- Ans
- ☐ A. 12
 - ☐ B. 10
 - ☐ C. 8
 - ☒ D. 9

Q.29 A shopkeeper buys sugar at ₹48 per kg. While selling, he uses a faulty weighing scale that gives only 960 g instead of 1 kg. In addition, he marks the selling price at a profit of 20% on the cost price and then offers a discount of 10% on the marked price. Find the overall percentage profit or loss made by the shopkeeper.

- Ans
- ☐ A. 4.5% loss
 - ☐ B. 11.4% profit
 - ☒ C. 12.5% profit
 - ☐ D. 10% profit

Q.30 Three numbers are in the ratio of 19 : 7 : 13, and their LCM is 8645. Their HCF is:

- Ans
- ☐ A. 25
 - ☒ B. 5
 - ☐ C. 15
 - ☐ D. 30

Section : General Awareness

Q.31 Nagarjuna Sagar Dam is constructed across which of the following rivers?

- Ans
- ☐ A. Godavari
 - ☐ B. Bhima
 - ☐ C. Tungabhadra
 - ☒ D. Krishna

Q.32 Which of the following is a hydroelectric power plant located on a Himalayan river?

- Ans**
- ☐ A. Srisailem Hydroelectric Power Plant
 - ☐ B. Krishnarajasagar Hydroelectric Power Plant
 - ☐ C. Mettur Hydroelectric Power Plant
 - ☒ D. Tehri Dam and Hydroelectric Power Plant

Q.33 Which of the following countries signed the OECD Multilateral Convention in October 2025 to Implement BEPS (Base Erosion and Profit Shifting)?

- Ans**
- ☐ A. Japan
 - ☐ B. Russia
 - ☒ C. Brazil
 - ☐ D. India

Q.34 Which of the following Articles of the Indian Constitution deals with the Fundamental Duties?

- Ans**
- ☐ A. Article 50
 - ☐ B. Article 52
 - ☐ C. Article 51
 - ☒ D. Article 51 'A'

Q.35 Which edition of the Global Risks Report was released by the World Economic Forum in 2025?

- Ans**
- ☐ A. 21st Edition
 - ☐ B. 18th Edition
 - ☐ C. 19th Edition
 - ☒ D. 20th Edition

Q.36 Which feature separates the Malda Gap from the rest of the Ganga-Brahmaputra Plains?

- Ans**
- ☐ A. Meghalaya Plateau
 - ☐ B. Bundelkhand Plateau
 - ☒ C. Rajmahal Hills
 - ☐ D. Aravalli Range

Q.37 The Pin River constitutes the most important right bank tributary of _____.

- Ans**
- ☐ A. Chandra River
 - ☒ B. Spiti River
 - ☐ C. Bhaga River
 - ☐ D. Tsarab River

Q.38 Heat generated in an electrical resistor is measured in which SI unit?

- Ans**
- ☐ A. Coulomb
 - ☐ B. Volt
 - ☒ C. Joule
 - ☐ D. Watt

Q.39 The 'Mesolithic Age' is regarded as a transitional phase because it represents the shift between which two prehistoric periods?

- Ans**
- ☐ A. Neolithic Age and Chalcolithic Age
 - ☐ B. Bronze Age and Iron Age
 - ☒ C. Palaeolithic Age and Neolithic Age
 - ☐ D. Chalcolithic Age and Iron Age

Q.40 Which of the following naval ships participated in the SLINEX-25 exercise in Sri Lanka in August 2025?

- Ans**
- ☐ A. INS Talwar and INS Shivalik
 - ☐ B. INS Vikrant and INS Trikand
 - ☐ C. INS Kolkata and INS Satpura
 - ☒ D. INS Rana and INS Jyoti

Q.41 Which of the following traditional Indian percussion instruments is regarded as the predecessor of the modern Tabla?

- Ans**
- ☒ A. Pakhawaj
 - ☐ B. Kanjira
 - ☐ C. Dhol
 - ☐ D. Thavil

Q.42 Consider the following statements regarding Input and Output devices and select the correct option.

- (i) A microphone is an input device that can capture sound, but it cannot output any sound.
(ii) The CPU's processing speed is much faster than the data transfer rate of external devices like printers.

- Ans**
- ☐ A. (i) True, (ii) False
 - ☐ B. (i) False, (ii) False
 - ☐ C. (i) False, (ii) True
 - ☒ D. (i) True, (ii) True

Q.43 Which one of the following best describes system software? Choose the correct option.

- Ans**
- ☐ A. Software used to create documents
 - ☒ B. Software that manages hardware and provides platform for application software
 - ☐ C. Software for browsing the internet
 - ☐ D. Software for playing multimedia files

Q.44 A gastrointestinal disease caused by the protozoan *Entamoeba histolytica* leads to abdominal pain and stools with excess mucous and blood clots. It often spreads through contaminated food and water via houseflies acting as mechanical carriers. Which disease is described?

- Ans**
- ☐ A. Cholera
 - ☐ B. Ascariasis
 - ☐ C. Giardiasis
 - ☒ D. Amoebiasis

Q.45 Which government department launched the 5G Innovation Hackathon 2025, a six-month initiative aimed at accelerating the development of innovative 5G-powered solutions to address societal and industrial challenges?

- Ans**
- ☐ A. Ministry of Electronics and Information Technology (MeitY)
 - ☐ B. NITI Aayog
 - ☐ C. Department of Science and Technology (DST)
 - ☒ D. Department of Telecommunications (DoT)

Q.46 The Battle of Khanwa (1527) was fought between Babur and which of the following rulers?

- Ans**
- ☐ A. Ibrahim Lodi
 - ☐ B. Bairam Khan
 - ☒ C. Rana Sanga
 - ☐ D. Sher Shah Suri

Q.47 Which of the following groups at the Second Round Table Conference claimed that Congress had no authority in their territories?

- Ans**
- ☒ A. Indian princes
 - ☐ B. Provincial governors
 - ☐ C. Zamindars
 - ☐ D. British officials

Q.48 In a computer system, a running program stores currently required data in RAM. What does RAM stand for?

- Ans**
- ☐ A. Random Active Memory
 - ☐ B. Random Access Mode
 - ☐ C. Read Action Memory
 - ☒ D. Random Access Memory

Q.49 According to the WMO report cited in 2025, global warming in Jan–Aug 2025 was approximately how much above pre-industrial levels?

- Ans**
- ☐ A. 0.8°C
 - ☐ B. 1.0°C
 - ☒ C. 1.42°C
 - ☐ D. 2.1°C

Q.50 Which sector in India saw major growth due to globalisation?

- Ans**
- ☐ A. Education
 - ☐ B. Mining
 - ☐ C. Handicrafts
 - ☒ D. IT and Services

Q.51 Which day is celebrated as National Youth Day (Birthday of Swami Vivekananda) in India every year?

- Ans**
- ☒ A. January 12th
 - ☐ B. February 16th
 - ☐ C. March 20th
 - ☐ D. April 30th

Q.52 Which of the following best describes the authorship of the Rigveda?

- Ans**
- ☐ A. It was composed solely by Sage Vyasa and compiled during the Mahabharata era
 - ☐ B. It was dictated by Valmiki as a poetic epic for oral transmission
 - ☐ C. It was written by a single philosopher-king in ancient India
 - ☒ D. It is a collection of hymns composed by various sages over generations

Q.53 When was the Industrial Policy Resolution (IPR) adopted in India?

- Ans**
- ☒ A. 1956
 - ☐ B. 1954
 - ☐ C. 1952
 - ☐ D. 1959

Q.54 The energy of light (photon) is a form of _____.

- Ans**
- ☒ A. Electromagnetic Energy
 - ☐ B. Gravitational Potential Energy
 - ☐ C. Nuclear Energy
 - ☐ D. Mechanical Energy

Q.55 Under Article 164(1A), the total number of Ministers in a State, including the Chief Minister, shall NOT exceed:

- Ans**
- ☐ A. 10% of the strength of the Legislative Assembly
 - ☐ B. No limit is mentioned
 - ☒ C. 15% of the strength of the Legislative Assembly
 - ☐ D. 20% of the strength of the Legislative Assembly

Q.56 From which month and year are the Corporate Average Fuel Efficiency (CAFE-3) norms scheduled to be implemented in India?

- Ans**
- ☒ A. April 2027
 - ☐ B. April 2028
 - ☐ C. April 2026
 - ☐ D. April 2029

Q.57 Which statement accurately explains the nature of the Inter Tropical Convergence Zone (ITCZ)?

- Ans**
- ☐ A. It marks a westerly wind system close to the Tropic of Capricorn.
 - ☐ B. It forms a cold frontal region near the Himalayan ranges.
 - ☒ C. It is an equatorial low-pressure belt where trade winds meet.
 - ☐ D. It represents a zone of high pressure located near the poles.

Q.58 Which Indian city, as of October 2025, holds the world's second-largest collection of Art Deco buildings, including the UNESCO-recognized Oval Maidan precinct with 94 structures?

- Ans**
- ☒ A. Mumbai
 - ☐ B. Kolkata
 - ☐ C. Indore
 - ☐ D. Jaipur

Q.59 Which Amendment made written Cabinet advice mandatory for Emergency in India?

- Ans**
- ☐ A. 26th Amendment
 - ☐ B. 24th Amendment
 - ☒ C. 44th Amendment
 - ☐ D. 42nd Amendment

Q.60 For Windows operating system, choose the correct option that shows the primary difference between Sleep and Hibernate power-saving modes with respect to memory and system state?

- Ans**
- ☒ A. Sleep keeps data in RAM; Hibernate saves it to disk
 - ☐ B. Hibernate keeps data in RAM; Sleep saves to disk
 - ☐ C. Sleep saves system state to disk; Hibernate uses RAM
 - ☐ D. Both save data to RAM

Q.61 In 2022, the President pardoned a woman jailed for a minor crime. Which Article of the Indian Constitution allows the President to grant pardons?

- Ans**
- ☐ A. Article 75
 - ☐ B. Article 74
 - ☒ C. Article 72
 - ☐ D. Article 53

Q.62 What is GII in the context of Human Development?

- Ans**
- ✔ A. Gender Inequality Index
 - ✘ B. Gender Inability Index
 - ✘ C. Gender Inequality Information
 - ✘ D. General Inequality Index

Q.63 Which feature of the Brahmo Samaj best reflects its reformist interpretation of Hindu religious practice?

- Ans**
- ✔ A. Promoting monotheistic worship and rejecting ritual sacrifices entirely.
 - ✘ B. Defending priestly authority and supporting elaborate temple ceremonies.
 - ✘ C. Upholding hereditary priesthood and strengthening caste divisions everywhere.
 - ✘ D. Reviving Vedic polytheism and encouraging ritual offerings across India.

Q.64 The Indian Medical Association (IMA) recently appointed a new President. Who assumed charge as the IMA National President in December 2025?

- Ans**
- ✘ A. Dr. Ketan Desai
 - ✘ B. Dr. Amit Chakrabarty
 - ✔ C. Dr. Anil Nayak
 - ✘ D. Dr. Dilip Bhanushali

Q.65 Which pigment is responsible for the green color of plants?

- Ans**
- ✘ A. Xanthophyll
 - ✔ B. Chlorophyll
 - ✘ C. Carotene
 - ✘ D. Anthocyanin

Q.66 "Appellate jurisdiction of the Supreme Court in appeals from High Courts in regard to civil matters" is provided in which of the following provisions of the Constitution of India?

- Ans**
- ✔ A. Article 133
 - ✘ B. Article 132
 - ✘ C. Article 131
 - ✘ D. Article 134

Q.67 In which year was the first "Sanskrit Commission" constituted?

- Ans**
- ✘ A. 1952
 - ✘ B. 2013
 - ✘ C. 2019
 - ✔ D. 1956

Q.68 Article 243ZI of the Indian Constitution empowers the State Legislature to make laws regarding co-operative societies. Which principle is NOT included in its scope?

- Ans**
- ✘ A. Democratic member control
 - ✘ B. Autonomous functioning
 - ✘ C. Voluntary formation
 - ✔ D. Compulsory State supervision

Q.69 The Morley-Minto Reforms were introduced by the British Government in India in _____.

- Ans**
- ✘ A. 1919
 - ✔ B. 1909
 - ✘ C. 1905
 - ✘ D. 1935

Q.70 As of 1 March 2001, what was the population of India?

- Ans** ☒ A. 1,027 million
☐ B. 1,210 million
☐ C. 1,000 million
☐ D. 950 million

Section : General Intelligence and Reasoning

Q.71 What should come in place of the '?' in the given series?

19 36 59 94 147 ?

- Ans** ☐ A. 220
☒ B. 224
☐ C. 228
☐ D. 226

Q.72 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) O E D F F B G F G I Y U I L V U Y T S V T (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- Ans** ☐ A. None
☐ B. One
☒ C. Two
☐ D. Three

Q.73 Town X is to the south of Town Y. Town Z is to the west of Town X. Town P is to the north of Town Z. Town Q is to the east of Town P. Town Y is to the north-west of Town Q. What is the position of Town X with respect to Town Q?

- Ans** ☐ A. North-east
☐ B. North-west
☐ C. South-east
☒ D. South-west

Q.74 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XK253, UO236, RS219, ?

- Ans** ☒ A. OW202
☐ B. NW206
☐ C. OV204
☐ D. MV208

Q.75 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

91, 184
88, 178

- Ans** ☒ A. 99, 200
☐ B. 104, 218
☐ C. 76, 152
☐ D. 92, 184

Q.76 In a certain code language,
A @ B means 'A is the mother of B',
A × B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D ÷ R @ Y + H'?

- Ans**
- ☒ A. Mother's mother
 - ☐ B. Mother
 - ☐ C. Sister
 - ☐ D. Mother's sister

Q.77 In a certain code language,
A # B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A ! B means 'A is the wife of B' and
A & B means 'A is the father of B'.

How is N related to V if 'N @ K # S & R ! V'?

- Ans**
- ☐ A. Wife's father
 - ☐ B. Husband
 - ☒ C. Wife's brother
 - ☐ D. Son

Q.78 In a row of 35 people facing the north, Geeta is 15th from the right end. If Nalini sits 14th to the left of Geeta, what is Nalini's position from the left end of the row?

- Ans**
- ☐ A. 9th
 - ☒ B. 7th
 - ☐ C. 4th
 - ☐ D. 5th

Q.79 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. TWQM
 - ☐ B. CFZV
 - ☒ C. MPIE
 - ☐ D. KNHD

Q.80 Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only three people sit between G and F when counted from the right of F. Q sits to the immediate right of G. Only three people sit between Q and M when counted from the left of Q. O sits to the immediate right of H. How many people sit between L and H when counted from the left of H?

- Ans**
- ☒ A. Two
 - ☐ B. One
 - ☐ C. Four
 - ☐ D. Three

Q.81 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All gloves are bandages. No glove is a sling.

Conclusion (I) : Some slings are bandages

Conclusion (II) : All bandages are slings

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (I) follows

Q.82 In a certain code language, 'car event stop' is coded as 'mb mj gs' and 'stop van lime' is coded as 'ii mb rb'. How is 'stop' coded in the given language?

- Ans**
- ☒ A. gs
 - ☒ B. mb
 - ☒ C. ii
 - ☒ D. mj

Q.83 In a certain code language, 'DESK' is coded as '2794' and 'KIDS' is coded as '6924'. What is the code for 'I' in the given code language?

- Ans**
- ☒ A. 4
 - ☒ B. 6
 - ☒ C. 9
 - ☒ D. 2

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. RK – OG
 - ☒ B. MJ – IF
 - ☒ C. RF – NB
 - ☒ D. UG – QC

Q.85 If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '–' and 'S' stands for '+', what will come in place of the question mark '?' in the following equation?

$$78 \text{ Q } 3 \text{ S } (55 \text{ Q } 5) \text{ P } 4 \text{ R } 16 \text{ P } 5 \text{ S } 65 = ?$$

- Ans**
- ☒ A. 49
 - ☒ B. 70
 - ☒ C. 35
 - ☒ D. 55

Q.86 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Exactly two boxes are kept between E and B. B is kept on one of the positions above E. C is kept at the bottommost position. Box G is kept immediately above E. Exactly two boxes are kept between D and G. Only one box is kept below F. Which box is immediately below B?

- Ans**
- ☒ A. G
 - ☒ B. A
 - ☒ C. F
 - ☒ D. E

Q.87 ORVS is related to QTXU in a certain way based on the English alphabetical order. In the same way, PSWT is related to RUYV. To which of the following is HKOL related, following the same logic?

- Ans**
- ☐ A. JLPN
 - ☐ B. JNPW
 - ☒ C. JMQN
 - ☐ D. JMPN

Q.88 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$43 - 85 \times 5 + 10 \div 3 = ?$$

- Ans**
- ☐ A. 32
 - ☒ B. 30
 - ☐ C. 38
 - ☐ D. 35

Q.89 RWFG is related to OTCD in a certain way based on the English alphabetical order. In the same way, FKTU is related to CHQR. To which of the following options is WBKL related, following the same logic?

- Ans**
- ☐ A. THYU
 - ☐ B. TUHO
 - ☐ C. THYI
 - ☒ D. TYHI

Q.90 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some stones are minerals. All minerals are elements.

Conclusions

(I) Some elements are stones.

(II) All stones are minerals.

- Ans**
- ☐ A. Only conclusion (II) follows
 - ☒ B. Only conclusion (I) follows
 - ☐ C. Both conclusions (I) and (II) follow
 - ☐ D. Neither conclusion (I) nor (II) follows

Q.91 Each vowel in the word CONTAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

- Ans**
- ☒ A. M
 - ☐ B. O
 - ☐ C. L
 - ☐ D. N

Q.92 Each letter in the word PREDIAL is changed to the letter immediately following it in the English alphabetical order and then all the letters thus obtained are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans**
- ☐ A. E
 - ☐ B. M
 - ☐ C. F
 - ☒ D. J

Q.93 Aj, Bv, Cu, Dq, Em, Fh and Gt are sitting around a circular table, facing the centre. Gt sits third to the left of Fh. Em sits second to the left of Fh. Bv sits third to the right of Em. Aj is the immediate neighbour of Cu and Gt. How many people sit between Dq and Aj when counted from the left of Aj?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Four
 - ☒ D. Three

Q.94 Sima ranked 12th from the top and 13th from the bottom in her class. How many students are there in her class?

- Ans**
- ☐ A. 20
 - ☐ B. 23
 - ☐ C. 22
 - ☒ D. 24

Q.95 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. EFJ
 - ☐ B. FGK
 - ☒ C. YAD
 - ☐ D. GHL

Q.96 What should come in place of ? in the given series based on the English alphabetical order?
GJL ORT WZB EHJ ?

- Ans**
- ☐ A. MOQ
 - ☐ B. MQQ
 - ☐ C. MNP
 - ☒ D. MPR

Q.97 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
BLE 6 UEX 11 NXQ 16 GQJ 21 ?

- Ans**
- ☐ A. ZFB 25
 - ☐ B. XHE 26
 - ☒ C. ZJC 26
 - ☐ D. YLI 25

Q.98 BGLQ is related to CHMR in a certain way based on the English alphabetical order. In the same way, VAFX is related to WBGY. To which of the following is PUZE related, in the same way?

- Ans**
- ☐ A. QVLP
 - ☐ B. QVRT
 - ☒ C. QVAF
 - ☐ D. QVJK

Q.99 What should come in place of '?' in the given series?

28 33 44 61 84 113 ?

- Ans**
- ☐ A. 137
 - ☐ B. 143
 - ☐ C. 140
 - ☒ D. 148

Q.100 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 - 50 \div 2 \times 2 + 15 = ?$$

- Ans
- ☒ A. 49
 - ☒ B. 45
 - ☒ C. 48
 - ☒ D. 47

Railway BABA



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	16/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Which of the following numbers is divisible by 11?

- Ans
- ☒ A. 869756
 - ☒ B. 978626
 - ☒ C. 447255
 - ☒ D. 112044

Q.2 If $6^x - 6^{x-1} = 30$, then the value of $\frac{2x-1}{2x+3}$ is:

- Ans
- ☒ A. $\frac{3}{7}$
 - ☒ B. $\frac{3}{9}$
 - ☒ C. $\frac{3}{11}$
 - ☒ D. $\frac{3}{4}$

Q.3 What sum (in ₹) will earn a simple interest of ₹1,320 in 3 years at 16% per year rate of interest?

- Ans
- ☒ A. 633.6
 - ☒ B. 5,500
 - ☒ C. 1,375
 - ☒ D. 2,750

Q.4 If the difference between the ages of a mother and her daughter is 24 years, and the sum of their ages is 52 years, how old (in years) is the mother?

- Ans
- ☒ A. 40
 - ☒ B. 36
 - ☒ C. 38
 - ☒ D. 28

Q.5 What is the ratio between the third proportional of 36 and 48 to the third proportional of 49 and 64?

- Ans
- ☐ A. 16:25
 - ☐ B. 38:41
 - ☐ C. 3:5
 - ☒ D. 49:64

Q.6 The HCF and LCM of two numbers are 15 and 225, respectively. Which of the following pairs can be the numbers?

- Ans
- ☐ A. 25 and 135
 - ☐ B. 25 and 65
 - ☒ C. 45 and 75
 - ☐ D. 15 and 75

Q.7 Two trains P and Q, measure 200 m and 300 m in length, respectively. The faster train, coming from behind, takes 48 seconds to overtake the slower when moving in the same direction. When they approach each other from opposite directions, they cross each other completely in 20 seconds. Determine the speed of the faster train.

- Ans
- ☐ A. 62.75 km/h
 - ☐ B. 61.75 km/h
 - ☒ C. 63.75 km/h
 - ☐ D. 60.75 km/h

Q.8 A hollow cylinder of thickness 1 unit and length 14 units is made with 396 cubic units of metal. Its inner volume is _____ cubic units. (Take $\pi = \frac{22}{7}$)

- Ans
- ☐ A. 730
 - ☒ B. 704
 - ☐ C. 636
 - ☐ D. 676

Q.9 A cylindrical tank of radius 20 cm contains water up to a height of 10 cm. If 30 solid spheres, each of radius 7 cm, are completely immersed in the water, then the rise in the water level (in cm) is (Use $\pi = 3.14$)

- Ans
- ☐ A. 28.7 cm
 - ☒ B. 34.3 cm
 - ☐ C. 32.4 cm
 - ☐ D. 36.5 cm

Q.10 A cistern is filled by two taps, C and D, in 54 minutes and 81 minutes, respectively. There is also a drain E at the bottom. If all three are opened simultaneously, the cistern is filled in 108 minutes. In how many minutes can drain E alone empty the cistern? (up to two decimal places)

- Ans
- ☐ A. 42.06
 - ☐ B. 45.64
 - ☒ C. 46.29
 - ☐ D. 49.24

Q.11 A person travels three-fifths of the total distance from home to office by train, one-fourth by car, and the remaining 300 metres on foot. What is the total distance (in kilometres) from home to office?

- Ans
- ☐ A. 3
 - ☐ B. 4
 - ☒ C. 2
 - ☐ D. 5

Q.12 A shopkeeper claims to sell rice at **cost price**, but uses a false weight and gains **25%**. For **1 kg**, how much rice does he actually give?

- Ans
- ☒ A. 900 gm
 - ☒ B. 800 gm
 - ☒ C. 750 gm
 - ☒ D. 850 gm

Q.13 If $1.2x = 0.5y$, find the value of $\frac{x+y}{x-y}$.

- Ans
- ☒ A. $\frac{14}{3}$
 - ☒ B. $-\frac{17}{7}$
 - ☒ C. $\frac{12}{5}$
 - ☒ D. $-\frac{21}{4}$

Q.14 In a parallelogram, one angle is 70° . What are the measures of the other three angles?

- Ans
- ☒ A. $110^\circ, 110^\circ, 110^\circ$
 - ☒ B. $70^\circ, 110^\circ, 110^\circ$
 - ☒ C. $70^\circ, 90^\circ, 110^\circ$
 - ☒ D. $70^\circ, 70^\circ, 70^\circ$

Q.15 If ₹5,000 is invested at 8% per annum compounded annually, what will be the compound interest earned after 2 years?

- Ans
- ☒ A. ₹816
 - ☒ B. ₹840
 - ☒ C. ₹832
 - ☒ D. ₹800

Q.16 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 27% and 39% on any number of toys bought.
(B) Successive discounts of 39%, 7% and 40% on any number of toys bought.
(C) 26% discount on the first 9 toys and 13% discount on each toy thereon.
(D) 7 toys free of cost on buying 9 toys.

A customer wants to buy 9 toys. Which of the above schemes is the least beneficial to her?

- Ans
- ☒ A. D
 - ☒ B. C
 - ☒ C. B
 - ☒ D. A

Q.17 A vertical communication tower stands on a building 30 meters high. From a point 70 meters from the building, the angles of elevation to the top and bottom of the tower are 30° and 60° , respectively. What is the height of the tower (in m)?

- Ans
- ☒ A. $70\sqrt{3} - 30$
 - ☒ B. $30\sqrt{3}$
 - ☒ C. $70\sqrt{3} + 30$
 - ☒ D. $\frac{70\sqrt{3}}{2} + 30$

Q.18 An item is sold after giving successive discounts of 10% and 20%. What is the net percentage reduction in its price?

- Ans**
- ✓ A. 28%
 - ✗ B. 34%
 - ✗ C. 32%
 - ✗ D. 30%

Q.19 Two taps can fill a cistern in 4 hours and 13 hours, respectively. A third tap can empty it in 13 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans**
- ✗ A. 2
 - ✗ B. 4
 - ✓ C. 1
 - ✗ D. 3

Q.20 A shopkeeper marks a washing machine at ₹24,000. During a festival, he offers a 20% discount and sells it for an additional ₹800 less. What is the final selling price of the washing machine?

- Ans**
- ✗ A. ₹17,600
 - ✗ B. ₹18,800
 - ✓ C. ₹18,400
 - ✗ D. ₹19,200

Q.21 A shopkeeper sells an article to A at a profit of 20%. A sells it to B at a profit of 25%. If B pays ₹3,000, what is the cost price of the article for the shopkeeper?

- Ans**
- ✗ A. ₹2,080
 - ✗ B. ₹2,100
 - ✗ C. ₹2,200
 - ✓ D. ₹2,000

Q.22 A shopkeeper buys two types of notebooks. The cost of 3 notebooks of the first type and 5 notebooks of the second type together is ₹420. The cost of one notebook of the second type is ₹20 more than the cost of one notebook of the first type. What is the cost of one notebook of the first type?

- Ans**
- ✓ A. ₹40
 - ✗ B. ₹45
 - ✗ C. ₹42
 - ✗ D. ₹48

Q.23 Three friends, Amit, Bala, and Chetan, have savings in the ratio 5:7:9. If Bala's savings exceed Amit's by ₹3,600, what are Chetan's total savings?

- Ans**
- ✗ A. ₹16,800
 - ✓ B. ₹16,200
 - ✗ C. ₹16,600
 - ✗ D. ₹16,400

Q.24 The sum of two positive numbers is 44 and their product is 228. The positive difference between them is:

- Ans**
- ✗ A. 36
 - ✓ B. 32
 - ✗ C. 37
 - ✗ D. 33

Q.25 The average of five numbers is 24. If four of the numbers are 18, 20, 25 and 27, what is the fifth number?

- Ans**
- ☐ A. 28
 - ☒ B. 30
 - ☐ C. 35
 - ☐ D. 32

Q.26 A company's revenue increases by 20% in the first year, decreases by 10% in the second year, and increases by 15% in the third year. What is the overall percentage change in revenue over the three years?

- Ans**
- ☐ A. 25.2% increase
 - ☒ B. 24.2% increase
 - ☐ C. 23.2% increase
 - ☐ D. 26.2% increase

Q.27 If $2^{(x+1)} \times 4^{(y-2)} = 32$ and $x = 3y$, what is the value of y ?

- Ans**
- ☐ A. 1.4
 - ☒ B. 1.6
 - ☐ C. 1
 - ☐ D. 1.5

Q.28 The present ages of A and B are in the ratio 4:5. If after 8 years from now, A will be 32 years old, what is B's present age?

- Ans**
- ☒ A. 30 years
 - ☐ B. 34 years
 - ☐ C. 32 years
 - ☐ D. 28 years

Q.29 The arithmetic mean of 3, 7, 11, ..., 51 is _____.

- Ans**
- ☐ A. 35
 - ☐ B. 23
 - ☐ C. 31
 - ☒ D. 27

Q.30 The LCM of the numbers 7, 12.4 and 1 is:

- Ans**
- ☐ A. 440
 - ☐ B. 441
 - ☒ C. 434
 - ☐ D. 442

Section : General Awareness

Q.31 The 20-Point Economic Programme was initially launched in 1975 primarily to:

- Ans**
- ☐ A. Reduce government borrowing
 - ☐ B. Promote foreign direct investment
 - ☒ C. Accelerate socio-economic reforms
 - ☐ D. Liberalize trade policies

Q.32 The architectural style of the Jagannath Temple is primarily associated with which of the following traditions?

- Ans**
- ☐ A. Dravidian style
 - ☐ B. Hoysala Style
 - ☐ C. Vesara style
 - ☒ D. Kalinga style

Q.33 Which option is used in Windows 11 to temporarily turn off the computer to save power while keeping programs open?

- Ans**
- ☒ A. Hibernate
 - ☐ B. Wake Up
 - ☐ C. Restart
 - ☐ D. Shut Down

Q.34 Which of the following Articles of the Indian Constitution provides for the suspension of enforcement of the rights conferred by Part III during emergencies?

- Ans**
- ☐ A. Article 358
 - ☐ B. Article 356
 - ☒ C. Article 359
 - ☐ D. Article 357

Q.35 Which term describes sound energy received per second per unit area?

- Ans**
- ☒ A. Intensity
 - ☐ B. Frequency
 - ☐ C. Echo
 - ☐ D. Pitch

Q.36 The British gained control over Bengal after which major battle?

- Ans**
- ☐ A. Battle of Wandiwash
 - ☒ B. Battle of Plassey
 - ☐ C. Battle of Panipat
 - ☐ D. Battle of Buxar

Q.37 In October 2025, which country awarded its highest decoration, the 'Grand Order of Mugunghwa', to U.S. President Donald Trump?

- Ans**
- ☒ A. South Korea
 - ☐ B. Japan
 - ☐ C. China
 - ☐ D. Bhutan

Q.38 Which of the following keyboard shortcuts is used to copy selected text or objects?

- Ans**
- ☐ A. Ctrl + S
 - ☐ B. Ctrl + V
 - ☐ C. Ctrl + F
 - ☒ D. Ctrl + C

Q.39 Which of the following provisions was brought about by the Indian Councils Act of 1909?

- Ans**
- ☐ A. Elimination of Viceroy's position
 - ☐ B. Universal voting rights for all Indians
 - ☐ C. Establishment of the Supreme Court in India
 - ☒ D. Introduction of separate electorates for Muslims

Q.40 In which of the following states is the Bateshwar fair held usually few days prior to DEEPAWALI for a period of almost three weeks?

- Ans**
- ☒ A. Uttar Pradesh
 - ☐ B. Chhattisgarh
 - ☐ C. Bihar
 - ☐ D. Madhya Pradesh

Q.41 The 11th Schedule of the Constitution of India lists:

- Ans**
- ☒ A. 29 subjects for Panchayats
 - ☐ B. Fundamental Duties
 - ☐ C. 18 subjects for Municipalities
 - ☐ D. Concurrent List subjects

Q.42 The Prime Minister of which of the following countries was conferred the 'Speaker of the Knesset Medal' by the Israeli Parliament in February 2026?

- Ans**
- ☐ A. Belgium
 - ☐ B. Spain
 - ☒ C. India
 - ☐ D. Luxembourg

Q.43 The economic crisis of 1991 acted as a trigger for reforms. What was the key reason for India's 1991 economic crisis?

- Ans**
- ☐ A. Increase in gold reserves
 - ☐ B. Oil price drop
 - ☐ C. Agricultural surplus
 - ☒ D. High fiscal and current account deficits

Q.44 As per the Constitution of India, the _____ is a state's de jure head.

- Ans**
- ☐ A. Chief Minister
 - ☐ B. Education Minister
 - ☐ C. Chief Justice of High Court
 - ☒ D. Governor

Q.45 In which case did the Supreme Court lay down the principle that Parliament cannot alter the 'basic structure' of the Indian Constitution?

- Ans**
- ☐ A. Shankari Prasad case
 - ☐ B. Golaknath case
 - ☒ C. Kesavananda Bharati case
 - ☐ D. Minerva Mills case

Q.46 Which heat transfer method enables the Sun to warm Earth, despite the vast empty space between them?

- Ans**
- ☒ A. Radiation
 - ☐ B. Conduction
 - ☐ C. Insulation
 - ☐ D. Convection

Q.47 Ravi Shankar is famous for his expertise in playing which classical music instrument?

- Ans**
- ☐ A. Tabla
 - ☐ B. Sarod
 - ☐ C. Flute
 - ☒ D. Sitar

Q.48 The concept of Gross Enrolment Ratio belongs to the _____.

- Ans
- ☐ A. banking sector
 - ☐ B. transport sector
 - ☒ C. education sector
 - ☐ D. health sector

Q.49 Which of the following provides evidence that the Great Indian Desert was once under the sea during the Mesozoic era?

- Ans
- ☐ A. Presence of black soil
 - ☐ B. Volcanic ash layers
 - ☒ C. Marine deposits and wood fossils
 - ☐ D. Glacial deposits

Q.50 The **Gaganyaan mission** was expected to boost Safran India's revenue by ~70% in 2025, aligning with which initiative?

- Ans
- ☒ A. Make in India
 - ☐ B. Digital India
 - ☐ C. Skilling Bharat
 - ☐ D. Clean energy push

Q.51 In which year was the Pune Metro Rail Project inaugurated by the Prime Minister of India?

- Ans
- ☐ A. 2020
 - ☒ B. 2022
 - ☐ C. 2018
 - ☐ D. 2015

Q.52 What was the Worker Population Ratio (WPR) for persons aged 15+ in India in October 2025 according to the Periodic Labour Force Survey (PLFS)?

- Ans
- ☐ A. 48.5 %
 - ☒ B. 52.5 %
 - ☐ C. 50.1 %
 - ☐ D. 42.5 %

Q.53 Electrical energy can be calculated using which of the following formulas?

- Ans
- ☐ A. Energy = Power ÷ Time
 - ☐ B. Energy = Voltage × Current
 - ☐ C. Energy = Current × Resistance
 - ☒ D. Energy = Power × Time

Q.54 In December 2025, which of the following courts has declared 26 December 2025 as a holiday and advanced the commencement of its Winter Vacation to the same date?

- Ans
- ☐ A. Gauhati High Court
 - ☐ B. Madras High Court
 - ☐ C. Allahabad High Court
 - ☒ D. Delhi High Court

Q.55 Which measure formed a central part of Gandhi's non-cooperation strategy adopted at the Calcutta Session of 1920?

- Ans
- ☐ A. Acceptance of legislative seats to negotiate reforms within councils.
 - ☒ B. Boycott of schools, courts, and councils alongside the adoption of khadi.
 - ☐ C. Participation in trade negotiations to influence imperial economic policies.
 - ☐ D. Establishment of armed village guards to resist colonial recruitment.

Q.56 Kudremukh in Karnataka is famous for which mineral?

- Ans**
- ☐ A. Manganese
 - ☐ B. Bauxite
 - ☐ C. Copper
 - ☒ D. Iron Ore

Q.57 Which of the following scores has India secured in the SDG Index 2025?

- Ans**
- ☐ A. 72.3
 - ☐ B. 61.5
 - ☒ C. 67.0
 - ☐ D. 57.0

Q.58 The Central Administrative Tribunal (CAT) was established in which year?

- Ans**
- ☒ A. 1985
 - ☐ B. 1990
 - ☐ C. 1980
 - ☐ D. 1995

Q.59 Which of the following is a depositional landform formed by wind action?

- Ans**
- ☐ A. Yardang
 - ☒ B. Barchan
 - ☐ C. Inselberg
 - ☐ D. Moraine

Q.60 In the Windows Operating System, when the dedicated Power Saver plan is activated, which of the following is the primary technical mechanism the operating system employs to significantly conserve energy, consequently leading to a noticeable reduction in system responsiveness and performance?

- Ans**
- ☐ A. Disabling the Graphical Processing Unit (GPU) entirely and forcing all display rendering onto the CPU
 - ☐ B. Aggressively flushing the cache memory every few seconds to minimize the power drawn by the CPU's fastest memory components
 - ☐ C. Increasing the hard disk spin-down time to ensure the drive remains idle and consumes zero mechanical power
 - ☒ D. Reducing the maximum processor state (clock speed/frequency) to cap the peak computational capacity and thermal output

Q.61 “Social, Economic and Political Justice” are borrowed from which revolution?

- Ans**
- ☐ A. French Revolution
 - ☐ B. American Revolution
 - ☒ C. Russian Revolution
 - ☐ D. Glorious Revolution

Q.62 Which album brought Dr. L. Subramaniam, the celebrated Indian violinist, a Grammy Award nomination in 1981?

- Ans**
- ☒ A. Fantasy With Truth
 - ☐ B. Music Festival of India
 - ☐ C. West Meets East
 - ☐ D. Eternal Melodies

Q.63 Where was the annual World Economic Forum meeting held in January 2025?

- Ans**
- ☐ A. Oslo, Norway
 - ☐ B. Stockholm, Sweden
 - ☐ C. Copenhagen, Denmark
 - ☒ D. Davos-Klosters, Switzerland

Q.64 Who among the following was a ruler of the Chedi (Mahameghavahana) dynasty of Kalinga?

- Ans**
- ☐ A. Kanishka
 - ☐ B. Pushyamitra Shunga
 - ☐ C. Gautamiputra Satakarni
 - ☒ D. Kharavela

Q.65 If you measure the amount of electric charge flowing in a circuit, which SI unit would you use to record the result?

- Ans**
- ☒ A. Coulomb
 - ☐ B. Ohm
 - ☐ C. Volt
 - ☐ D. Ampere

Q.66 Which continent has the highest average elevation due to its thick ice sheets?

- Ans**
- ☐ A. Africa
 - ☐ B. Europe
 - ☒ C. Antarctica
 - ☐ D. South America

Q.67 Which device is designed to integrate processing, memory, and input/output components into one compact unit?

- Ans**
- ☒ A. Microcontroller
 - ☐ B. System Bus
 - ☐ C. Micro Board
 - ☐ D. Motherboard

Q.68 Who was appointed as the 26th Governor of the Reserve Bank of India in December 2024?

- Ans**
- ☐ A. Raghuram Rajan
 - ☐ B. Michael Patra
 - ☐ C. Poonam Gupta
 - ☒ D. Sanjay Malhotra

Q.69 Which of the following Pushyabhuti rulers strengthened his position by defeating the Hunas?

- Ans**
- ☐ A. Rajyavardhana
 - ☒ B. Prabhakarvardhana
 - ☐ C. Naravardhana
 - ☐ D. Harshavardhana

Q.70 Which sector in India includes activities such as cotton textile production and iron and steel manufacturing?

- Ans**
- ☐ A. Primary sector
 - ☐ B. Tertiary sector
 - ☐ C. Quaternary sector
 - ☒ D. Secondary sector

Section : General Intelligence and Reasoning

Q.71 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MLJ HGE CBZ XWU ?

- Ans**
- ☒ A. SQO
 - ☒ B. SRP
 - ☒ C. STV
 - ☒ D. SSO

Q.72 Amrita is the sister of Bablu. Bablu is the brother of Deepak. Deepak is the son of Malti and Malti is the wife of Lakhan. Nehal is the brother of Lakhan. How is Nehal related to Amrita?

- Ans**
- ☒ A. Father's brother
 - ☒ B. Son
 - ☒ C. Mother's brother
 - ☒ D. Brother

Q.73 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 6, 217)
(21, 6, 253)

- Ans**
- ☒ A. (22, 5, 220)
 - ☒ B. (23, 6, 276)
 - ☒ C. (24, 6, 287)
 - ☒ D. (23, 4, 185)

Q.74 What should come in place of the question mark (?) in the given series to make it logically complete?

Q18N O23P M28R K33T ?

- Ans**
- ☒ A. I38U
 - ☒ B. I38V
 - ☒ C. J36V
 - ☒ D. J40U

Q.75 In a row of 25 students facing North, Vinayak is 13th from the right end. If Utkarsh is 4th to the left of Vinayak, what is Utkarsh's position from the left end of the row?

- Ans**
- ☒ A. 8th
 - ☒ B. 9th
 - ☒ C. 4th
 - ☒ D. 6th

Q.76 In a certain code language, 'rest restores energy' is coded as 'rk fj mg' and 'positive energy attracts' is coded as 'tw es fj'. How is 'energy' coded in the given language?

- Ans**
- ☒ A. rk
 - ☒ B. es
 - ☒ C. mg
 - ☒ D. fj

Q.77 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 8 2 6 6 3 1 8 6 4 2 2 8 4 3 4 9 9 3 7 4 6 1 6 (Right)
How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. None
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.78 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. TL - NX
 - ☒ B. NF - HR
 - ☒ C. JB - DN
 - ☒ D. DV - PH

Q.79 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. LIH
 - ☒ B. CAY
 - ☒ C. YVU
 - ☒ D. RON

Q.80 What should come in place of '?' in the given series?

56 57 ? 70 86 111

- Ans**
- ☒ A. 63
 - ☒ B. 61
 - ☒ C. 62
 - ☒ D. 64

Q.81 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. DGI
 - ☒ B. LOQ
 - ☒ C. ZDE
 - ☒ D. UXZ

Q.82 Refer to the following letter series and answer the question that follows.

(Left) X P S A D U G L O E J F K I M C R T Q (Right)

How many letters are there in the English alphabetical series between the letter which is fifth from the right end and third from the left end of the series?

- Ans**
- ☒ A. Five
 - ☒ B. Six
 - ☒ C. Four
 - ☒ D. Seven

Q.83 Each of the digits in the number 3184657 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. One
 - ☐ B. Three
 - ☐ C. None
 - ☐ D. Two

Q.84 In a certain code language, 'PWEA' is coded as '90' and 'QAMT' is coded as '102'. What is the code for 'LJCV' in the given code language?

- Ans**
- ☐ A. 91
 - ☒ B. 94
 - ☐ C. 86
 - ☐ D. 97

Q.85 Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P5 sits to the immediate left of P6. There are exactly two people between P1 and P6 when checked from right of P6. P3 is sitting immediately between P2 and P1. P7 is sitting immediately between P4 and P5. How many people are sitting between P4 and P6 when checked from left of P6?

- Ans**
- ☐ A. Three
 - ☐ B. Four
 - ☒ C. Two
 - ☐ D. One

Q.86 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

LG - OJ - QS
OJ - RM - TV

- Ans**
- ☐ A. ID - LG - NO
 - ☐ B. JD - LG - NO
 - ☐ C. JD - LH - NO
 - ☒ D. ID - LG - NP

Q.87 In a certain code language,
A = B means 'A is the son of B',
A \$ B means 'A is the sister of B',
A @ B means 'A is the wife of B' and
A * B means 'A is the father of B'.

How is W related to G if 'W = F \$ K * L @ G'?

- Ans**
- ☐ A. Father's sister's son
 - ☐ B. Wife's sister's son
 - ☒ C. Wife's father's sister's son
 - ☐ D. Sister's son

Q.88 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEL 17, KIQ 21, PMV 25, UQA 29, ?

- Ans**
- ☐ A. YUF 32
 - ☒ B. ZUF 33
 - ☐ C. ZVG 33
 - ☐ D. YVG 32

Q.89 Each of the digits in the number 3219854 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. ONE
 - ☐ B. THREE
 - ☐ C. NONE
 - ☐ D. TWO

Q.90 DO 9 is related to FL -5 in a certain way. In the same way, EQ 3 is related to GN -11. To which of the following is KH 6 related, following the same logic?

- Ans**
- ☒ A. ME -8
 - ☐ B. GY -11
 - ☐ C. IE -7
 - ☐ D. NI -14

Q.91 MKPT is related to QOTX in a certain way based on the English alphabetical order. In the same way, ENSU is related to IRWY. To which of the following is DHGR related, following the same logic?

- Ans**
- ☒ A. HLKV
 - ☐ B. HDRG
 - ☐ C. FJIT
 - ☐ D. QEIY

Q.92 Mr. Vasu starts from Point A and drives 25 km towards the West. He then takes a left turn, drives 15 km, turns left and drives 51 km. He then takes a left turn, drives 28 km, turns left and drives 14 km. He then takes a left turn and drives 6 km. He takes a final right turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 10 km to the East
 - ☒ B. 7 km to the South
 - ☐ C. 9 km to the West
 - ☐ D. 8 km to the North

Q.93 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: No Race Cars are Tractors. Some Tractors are Trains.

Conclusion I: No Race Cars are Trains.

Conclusion II: Some Race Cars are Trains.

- Ans**
- ☐ A. Only conclusion (I) follows
 - ☒ B. Neither conclusion (I) nor (II) follows
 - ☐ C. Both conclusions (I) and (II) follow
 - ☐ D. Only conclusion (II) follows

Q.94 Seven people H, I, J, K, W, Y and Z are sitting around a circular table facing the centre of the table. K sits third to the left of Z. Only two people sit between J and K when counted from the right of J. Only three people sit between J and I. H sits to the immediate left of W. Who sits third to the left of Y?

- Ans**
- ☐ A. I
 - ☐ B. H
 - ☐ C. K
 - ☒ D. W

Q.95 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: Some Power Saws are Chisels. Some Chisels are Wrenches.

Conclusion (I): Some Power Saws are Wrenches.

Conclusion (II): No Power Saws are Wrenches.

- Ans**
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☐ B. Only conclusion (I) follows
 - ☐ C. Only conclusion (II) follows
 - ☐ D. Both conclusions (I) and (II) follow

Q.96 Each of the digits in the number 8254316 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ A. Three
 - ☐ B. None
 - ☐ C. One
 - ☒ D. Two

Q.97 Six boxes, R, S, T, U, V and X, are kept one over the other, but not necessarily in the same order.

Only one box is kept below S. Only one box is kept above U. Only one box is kept between U and V. T is kept immediately below S. R is kept at some place below X. How many boxes are kept between X and T?

- Ans**
- ☐ A. Three
 - ☐ B. Two
 - ☐ C. One
 - ☒ D. Four

Q.98 Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 5 1 5 9 5 3 4 6 4 8 5 1 3 2 9 6 6 6 3 6 8 7 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.99 Seven boxes, G, H, I, J, L, M and N, are kept one over the other, but not necessarily in the same order.

Box I is kept at the third position from the top. Box N is kept at the third position from the bottom. Only three boxes are kept between N and J. Only three boxes are kept between I and H. Box M is kept at a position somewhere above L.

Which box is kept at the bottom?

- Ans**
- ☐ A. L
 - ☒ B. H
 - ☐ C. I
 - ☐ D. J

Q.100 What should come in place of '?' in the given series?

8 ? 29 50 78 113

Ans  A. 16

 B. 15

 C. 18

 D. 14

Railway BABA



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	17/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 A sum of ₹12,000 is invested at 10% per annum, compound interest, compounded half-yearly. What is the amount after 1.5 years?

- Ans
- ☒ A. ₹13,965.75
 - ☒ B. ₹14,200
 - ☒ C. ₹13,891.50
 - ☒ D. ₹14,000

Q.2 The marked price of a machine is ₹16,000. The shopkeeper gives two successive discounts of 15% and N% to the customer. If the customer paid ₹12,240 for the machine, the value of N is:

- Ans
- ☒ A. 12.5%
 - ☒ B. 15%
 - ☒ C. 10%
 - ☒ D. 13.5%

Q.3 Simplify $\left[\frac{8.16}{2.4} + (3.64 \times 1.5) \right]$ to two decimal places.

- Ans
- ☒ A. 8.76
 - ☒ B. 8.56
 - ☒ C. 9.26
 - ☒ D. 8.86

Q.4 In a class, the ratio of students who passed to those who failed is 11:2. If 44 students failed, what is the total number of students in the class?

- Ans
- ☒ A. 284
 - ☒ B. 282
 - ☒ C. 286
 - ☒ D. 280

Q.5 The sum of two positive numbers is 31 and their product is 220. The positive difference between them is:

- Ans
- ☒ A. 13
 - ☒ B. 9
 - ☒ C. 25
 - ☒ D. 26

Q.6 A person covers a certain distance. If he reduces his speed by 25%, by what percentage does the time taken to cover the same distance increase? (Rounded off to two decimal places)

- Ans**
- ☐ A. 25.67%
 - ☐ B. 30.67%
 - ☐ C. 20.33%
 - ☒ D. 33.33%

Q.7 The present age of Mohit is three times the present age of his son Rahul. After 12 years from now, Mohit's age will be twice Rahul's age. What is the sum of their present ages (in years)?

- Ans**
- ☒ A. 48
 - ☐ B. 50
 - ☐ C. 46
 - ☐ D. 44

Q.8 A local library purchased several biography books and mystery novels for their new collection. The library spent exactly ₹4,800 on biography books and ₹4,800 on mystery novels. Each biography book costs ₹40 more than a mystery novel. The library was able to buy 10 more mystery novels than biography books. Find the number of biography books purchased.

- Ans**
- ☐ A. 18
 - ☐ B. 24
 - ☐ C. 21
 - ☒ D. 30

Q.9 The diagonals of a rhombus are in the ratio 3 : 4. If the length of each side of the rhombus is 12.5 units, what is the length of the shorter diagonal?

- Ans**
- ☐ A. 10 units
 - ☐ B. 12 units
 - ☐ C. 18 units
 - ☒ D. 15 units

Q.10 A trader buys an article, spends ₹50 on its repair, and sells it for ₹600, making a 25% profit. What was the original purchase price?

- Ans**
- ☐ A. ₹480
 - ☒ B. ₹430
 - ☐ C. ₹400
 - ☐ D. ₹450

Q.11 If a trapezium has bases of lengths 8 cm and 12 cm, and height of 5 cm, what is its area?

- Ans**
- ☐ A. 45 cm²
 - ☒ B. 50 cm²
 - ☐ C. 40 cm²
 - ☐ D. 60 cm²

Q.12 In a batch of 50 managers and supervisors, the average monthly salary of managers is ₹48,000 and that of supervisors is ₹42,000. If the overall monthly average salary of the batch is ₹44,400, find the number of supervisors in the batch.

- Ans**
- ☐ A. 33
 - ☐ B. 24
 - ☐ C. 27
 - ☒ D. 30

Q.13 Simplify: $\left(\frac{19}{18} \div \frac{19}{6}\right) \div \left(\frac{5}{18} \times \frac{16}{15} + \frac{4}{6}\right) + \frac{6}{8} \div \frac{24}{25}$ of $\frac{25}{8}$

- Ans
- ☐ A. 1
 - ☐ B. $\frac{3}{4}$
 - ☒ C. $\frac{31}{52}$
 - ☐ D. $\frac{31}{54}$

Q.14 A mobile phone is marked at ₹8,000. If two successive discounts of 15% and 10% are given, what is the selling price?

- Ans
- ☒ A. ₹6,120
 - ☐ B. ₹6,200
 - ☐ C. ₹6,160
 - ☐ D. ₹6,180

Q.15 If $2\cot A = 4$, find the value of $\frac{\operatorname{cosec}^2 A + 1}{\operatorname{cosec}^2 A - 1}$

- Ans
- ☒ A. 1.5
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 2.5

Q.16 If the third proportional to 0.8 and 5.6 is n, then what is the value of n?

- Ans
- ☒ A. 39.2
 - ☐ B. 0.84
 - ☐ C. 31.36
 - ☐ D. 4.48

Q.17 The value of $\{18 + [24 \div (3 \text{ of } 2)] \times 4\} - 10$ is equal to:

- Ans
- ☐ A. 40
 - ☐ B. 28
 - ☒ C. 24
 - ☐ D. 72

Q.18 The ratio of the heights of Shyam and Manish is 7 : 8. If Shyam's height is 140 cm, who is taller and by how much?

- Ans
- ☐ A. Manish is taller by 10 cm
 - ☒ B. Manish is taller by 20 cm
 - ☐ C. Shyam is taller by 20 cm
 - ☐ D. Shyam is taller by 10 cm

Q.19 A and B can do a piece of work in 12 days and 28 days, respectively. Both work for 3 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans
- ☐ A. 20
 - ☐ B. 19
 - ☒ C. 18
 - ☐ D. 17

Q.20 The price of a trouser is first increased by 20% and then decreased by 25%. What is the net percentage change in the price?

- Ans
- ☐ A. 5% decrease
 - ☐ B. 5% increase
 - ☒ C. 10% decrease
 - ☐ D. 10% increase

Q.21 A car travels 120 km at 40 km/h, 180 km at 60 km/h, and 100 km at 50 km/h. What is the average speed of the car for the entire journey?

- Ans
- ☒ A. 50 km/h
 - ☐ B. 48 km/h
 - ☐ C. 55 km/h
 - ☐ D. 45 km/h

Q.22 If a car travels 120 km using 8 liters of petrol, how much petrol will be required to travel 225 km?

- Ans
- ☐ A. 16 liters
 - ☐ B. 17 liters
 - ☒ C. 15 liters
 - ☐ D. 18 liters

Q.23 Three friends, Amit, Bharat, and Chitra, can individually complete a painting project in 12 hours, 18 hours, and 24 hours, respectively. If they all work together for 4 hours and then Amit leaves, how many hours will Bharat and Chitra take to finish the remaining work?

- Ans
- ☒ A. $2\frac{6}{7}$ hours
 - ☐ B. $2\frac{5}{7}$ hours
 - ☐ C. $3\frac{6}{7}$ hours
 - ☐ D. $3\frac{5}{7}$ hours

Q.24 The sides of a triangle are in the ratio 5:6:7 and its perimeter is 90 cm. What is the area of this triangle (in square cm)?

- Ans
- ☐ A. $150\sqrt{3}$ cm²
 - ☐ B. $140\sqrt{6}$ cm²
 - ☐ C. $150\sqrt{7}$ cm²
 - ☒ D. $150\sqrt{6}$ cm²

Q.25 What is the mode of the following data: 12, 15, 18, 18, 20, 18, 22, 22, 25, 28, 22, 15, 18, 12?

- Ans
- ☐ A. 22
 - ☒ B. 18
 - ☐ C. 15
 - ☐ D. 12

Q.26 Two successive price increases of 15% and 15% on an article are equivalent to a single percentage increase of:

- Ans
- ☐ A. 31%
 - ☐ B. 30%
 - ☒ C. 32.25%
 - ☐ D. 31.5%

Q.27 An investment triples in 6 years under compound interest. After how many years will it become 27 times?

- Ans**
- ☐ A. 24 years
 - ☐ B. 15 years
 - ☐ C. 21 years
 - ☒ D. 18 years

Q.28 If the ratio of two numbers is 3 : 8, and their HCF is 6, then their LCM is:

- Ans**
- ☐ A. 155
 - ☐ B. 189
 - ☐ C. 148
 - ☒ D. 144

Q.29 A two-digit number is such that four times the sum of its digits is equal to the number formed by reversing its digits. If the difference between the digits is 3, find the original number.

- Ans**
- ☒ A. 63
 - ☐ B. 96
 - ☐ C. 69
 - ☐ D. 36

Q.30 A trader buys 20 kg of rice for ₹1,000 and sells it at ₹55 per kg. What is the profit percentage?

- Ans**
- ☐ A. 12%
 - ☒ B. 10%
 - ☐ C. 8%
 - ☐ D. 15%

Section : General Awareness

Q.31 The Ikshvakus ruled Krishna-Godavari delta in Eastern Deccan after the decline of which dynasty?

- Ans**
- ☐ A. Kadambas Dynasty
 - ☐ B. Mauryas Dynasty
 - ☐ C. Guptas Dynasty
 - ☒ D. Satavahanas Dynasty

Q.32 Which of the following Articles of the Constitution of India states that, until Parliament by law otherwise provides, the quorum to constitute a meeting of either House of Parliament shall be one-tenth of the total number of members of the House?

- Ans**
- ☒ A. Article 100
 - ☐ B. Article 96
 - ☐ C. Article 99
 - ☐ D. Article 102

Q.33 What is the term used for the first matra in Hindustani music's tala system?

- Ans**
- ☐ A. Laya
 - ☐ B. Khali
 - ☒ C. Sam
 - ☐ D. Tali

Q.34 The component inside the CPU responsible for arithmetic operations and logical comparisons is the _____.

- Ans**
- ☐ A. Random Access Memory
 - ☐ B. Motherboard
 - ☐ C. Control Unit
 - ☒ D. Arithmetic Logic Unit

Q.35 Two isotopes of an element have 17 protons with 18 neutrons and 20 neutrons, respectively. Which of the following is the correct representation of these isotopes?

- Ans**
- ☐ A. $^{17}_{18}\text{Cl}$ and $^{17}_{20}\text{Cl}$
 - ☒ B. $^{35}_{17}\text{Cl}$ and $^{37}_{17}\text{Cl}$
 - ☐ C. $^{35}_{18}\text{Cl}$ and $^{37}_{20}\text{Cl}$
 - ☐ D. $^{18}_{17}\text{Cl}$ and $^{20}_{17}\text{Cl}$

Q.36 'Bihu' is considered the festival of the _____ state/UT.

- Ans**
- ☐ A. Lakshadweep
 - ☐ B. Chattisgarh
 - ☐ C. Andaman Nicobar Islands
 - ☒ D. Assam

Q.37 Which statement is True or False about the first and second generations of computers?

- (i) The First Generation used Vacuum Tubes, which were bulky and heat-generating.
(ii) The Transistor, which defined the Second Generation, made computers larger, slower, and more expensive.

- Ans**
- ☐ A. (i) False, (ii) True
 - ☐ B. (i) True, (ii) True
 - ☒ C. (i) True, (ii) False
 - ☐ D. (i) False, (ii) False

Q.38 Which function is primarily handled by system software in a computer system?

- Ans**
- ☐ A. Designing presentations and spreadsheets
 - ☐ B. Managing user-created documents
 - ☒ C. Coordinating hardware and running core system processes
 - ☐ D. Playing audio and video files

Q.39 Tropical cyclones form mainly due to:

- Ans**
- ☐ A. Fast-moving cold fronts
 - ☐ B. Rising continental winds
 - ☒ C. Low-pressure systems over warm ocean water
 - ☐ D. High-pressure systems over land

Q.40 Under how many broad categories are the Fundamental Rights guaranteed by the Constitution of India?

- Ans**
- ☐ A. Five
 - ☐ B. Nine
 - ☐ C. Eleven
 - ☒ D. Six

Q.41 Pragati Maidan in Delhi is most closely associated with which form of communication?

- Ans**
- ☐ A. Digital communication
 - ☒ B. Mass communication
 - ☐ C. Satellite-based broadcasting
 - ☐ D. Trade and exhibition-based communication

Q.42 Which Indian author was shortlisted for the 2025 Booker Prize for the novel 'The Loneliness of Sonia and Sunny'?

- Ans**
- ☒ A. Kiran Desai
 - ☐ B. Vikram Sampath
 - ☐ C. Arundhati Roy
 - ☐ D. Amish Tripathi

Q.43 Which of the following footballers was awarded a Guinness World Record in 2025 for the most wins in international football?

- Ans**
- ☐ A. Lionel Messi
 - ☐ B. Sergio Ramos
 - ☐ C. Robert Lewandowski
 - ☒ D. Cristiano Ronaldo

Q.44 What were the volunteer groups of the Prati Sarkar called?

- Ans**
- ☐ A. Swaraj dals and azad dals
 - ☐ B. Gram dals and satyagrah dals
 - ☐ C. Lok dals and rajya dals
 - ☒ D. Seva dals and tufan dals

Q.45 Which of the following is a common symptom of diabetes mellitus?

- Ans**
- ☐ A. Decreased thirst
 - ☒ B. Frequent urination
 - ☐ C. Loss of hearing
 - ☐ D. Increased hair growth

Q.46 The excessive presence of _____ mainly causes eutrophication in lakes.

- Ans**
- ☒ A. Nitrogen and phosphorus
 - ☐ B. Calcium carbonate
 - ☐ C. Iron and copper
 - ☐ D. Silica

Q.47 After gaining Independence, what type of economic system did India implement as its development strategy?

- Ans**
- ☐ A. Free market capitalism with minimal state intervention
 - ☐ B. Traditional agrarian structure without structural reforms
 - ☒ C. Mixed economy combining public and private sectors
 - ☐ D. Socialist system eliminating private ownership

Q.48 According to the Natyashastra, which of the following is characterised by body movements to music without expressions (Abhinay)?

- Ans**
- ☐ A. Natya
 - ☐ B. Nritya
 - ☒ C. Nritta
 - ☐ D. Kuchipudi

Q.49 As per Haj Policy 2025, out of the total number of quota allocated to the Government of India (Gol), what percentage of Haj Seats are allocated to the Haj Committee of India (HCol) and Haj Group Organisers (HGOs), respectively?

- Ans**
- ☒ A. 70% and 30%
 - ☐ B. 60% and 40%
 - ☐ C. 50% and 50%
 - ☐ D. 40% and 60%

Q.50 Which statement best explains why transport and communication infrastructure are vital for India's economic growth?

- Ans**
- ☐ A. It limits industrial expansion by diverting funds from core economic sectors
 - ☐ B. It increases regional isolation by reducing interaction among different areas
 - ☒ C. It links production centres with markets, enhancing trade and economic activity
 - ☐ D. It primarily serves elite passenger travel without influencing economic output

Q.51 Which of the following properties is responsible for the bending of light when it moves from air into water?

- Ans**
- ☐ A. Change in direction due to gravity
 - ☐ B. Change in temperature
 - ☐ C. Change in color of light
 - ☒ D. Change in speed of light

Q.52 Who among the following won the Australian Open in 2025?

- Ans**
- ☐ A. Taylor Fritz
 - ☐ B. Jack Draper
 - ☒ C. Jannik Sinner
 - ☐ D. Alexander Zverev

Q.53 Which dynasty of the Delhi Sultanate is known for introducing the "Iqta system"?

- Ans**
- ☐ A. Tughlaq dynasty
 - ☒ B. Mamluk dynasty
 - ☐ C. Sayyid dynasty
 - ☐ D. Khilji dynasty

Q.54 Which of the following tree species sustains the famous handicrafts of Kashmir and grows mainly in the Himalayan region?

- Ans**
- ☒ A. Walnut
 - ☐ B. Chir Pine
 - ☐ C. Deodar
 - ☐ D. Sal

Q.55 In December 2025, which of the following cybersecurity solutions providers introduced an advanced tenant control feature for ChatGPT?

- Ans**
- ☐ A. Kaspersky
 - ☐ B. Bitdefender
 - ☒ C. eScan
 - ☐ D. Quick Heal

Q.56 As of September 2025, according to the structure of the Central Administrative Tribunal, how many benches are there across India?

- Ans**
- ☒ A. 19
 - ☐ B. 15
 - ☐ C. 22
 - ☐ D. 10

Q.57 During the 17th BRICS Summit held in 2025, which country officially joined the bloc as a full member?

- Ans**
- ☐ A. Pakistan
 - ☐ B. Mexico
 - ☐ C. Türkiye
 - ☒ D. Indonesia

Q.58 Which resolution is the Preamble of the Constitution based on, drafted by Pandit Jawaharlal Nehru?

- Ans**
- ☒ A. Objectives Resolution
 - ☐ B. Directive Resolution
 - ☐ C. Fundamental Rights
 - ☐ D. Directive Principles

Q.59 The People's Plan Campaign, introduced nationwide in 2018, aimed to strengthen rural governance through which of the following approaches?

- Ans**
- ☒ A. Participatory Gram Sabha-based planning
 - ☐ B. Corporate-led rural investments
 - ☐ C. Uniform national budgeting templates
 - ☐ D. Centralized expenditure control

Q.60 The statement "A computer can work tirelessly and consistently for long periods without losing concentration" represents which characteristics of the computer?

- Ans**
- ☒ A. Diligence
 - ☐ B. Speed
 - ☐ C. Accuracy
 - ☐ D. Versatility

Q.61 Which Dravidian language is spoken outside India in Baluchistan?

- Ans**
- ☐ A. Tamil
 - ☒ B. Brahui
 - ☐ C. Kannada
 - ☐ D. Malayalam

Q.62 Which event directly triggered the British–Bengal confrontation that culminated in the Battle of Plassey (1757)?

- Ans**
- ☐ A. Abuse of duty-free trade privileges granted by imperial farmans
 - ☒ B. Capture of Calcutta and attack on British factories by Siraj-ud-Daulah
 - ☐ C. Expansion of Mughal administrative reforms affecting coastal trade
 - ☐ D. Refusal of the English Company to conduct inland trade in Bengal

Q.63 In January 2025, India became the fourth nation to achieve autonomous satellite docking in orbit. What was the name of this mission?

- Ans**
- ☒ A. SpaDeX
 - ☐ B. Gaganyaan-1
 - ☐ C. NISAR
 - ☐ D. Chandrayaan-4

Q.64 In December 2025, which state government allotted 480 acres of land to Adani Infra (India) Pvt. Ltd., a notified partner of Google-owned Raiden Infotech India, for establishing 1 GW AI Data Centres in the state?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Andhra Pradesh
 - ☐ C. Rajasthan
 - ☐ D. Gujarat

Q.65 Which key national challenge served as the primary focus of the National Agricultural Policy (NAP) introduced in 2000?

- Ans**
- ☐ A. Cutting down reliance on renewable energy sources
 - ☐ B. Accelerating urban infrastructure projects
 - ☒ C. Feeding 1.4 billion people while improving farmers' incomes
 - ☐ D. Expansion of industrial export zones

Q.66 In which of the following ways is the Speaker of the Vidhan Sabha elected?

- Ans**
- ☐ A. By the Governor
 - ☐ B. Directly by the public
 - ☐ C. By the Chief Minister
 - ☒ D. By the members of the Vidhan Sabha

Q.67 A quantity is measured in meters per second squared (m/s^2). What is this quantity?

- Ans**
- ☐ A. force
 - ☐ B. energy
 - ☒ C. acceleration
 - ☐ D. velocity

Q.68 Which type of Emergency could be implemented due to 'internal disturbance' before the 44th Amendment of the Indian Constitution?

- Ans**
- ☐ A. Financial Emergency
 - ☐ B. President's Rule
 - ☒ C. National Emergency
 - ☐ D. Martial Law

Q.69 The assassination attempt on Viceroy Lord Hardinge in Delhi in 1912 was organised by revolutionaries led by:

- Ans**
- ☐ A. Madanlal Dhingra and VD Savarkar
 - ☐ B. Surya Sen and Jatin Mukherjee
 - ☒ C. Rasbehari Bose and Sachindranath Sanyal
 - ☐ D. Khudiram Bose and Prafulla Chaki

Q.70 Which type of agriculture is commonly practiced in densely populated monsoon regions of Asia?

- Ans**
- ☒ A. Mediterranean agriculture
 - ☒ B. Intensive subsistence farming
 - ☒ C. Shifting cultivation
 - ☒ D. Nomadic herding

Section : General Intelligence and Reasoning

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DIXC 6 JNBF 12 PSFI 18 VXJL 24 BCNO 30 ?

- Ans**
- ☒ A. HIRS 34
 - ☒ B. IISS 34
 - ☒ C. HHRR 36
 - ☒ D. IHSR 36

Q.72 Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only three people sit to the left of B. Only Z sits to the right of T. Only three people sit between T and O. J sits at some place to the left of A but at some place to the right of D. Who sits immediately to the right of B?

- Ans**
- ☒ A. T
 - ☒ B. O
 - ☒ C. Z
 - ☒ D. A

Q.73 Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept below C. Only two boxes are kept between E and C. Only Q is kept above D. S is kept at some place below B but at some place above R. Which box is kept immediately above S?

- Ans**
- ☒ A. R
 - ☒ B. D
 - ☒ C. B
 - ☒ D. E

Q.74 Seven boxes, G, H, I, L, M, N and O, are kept one over the other, but not necessarily in the same order. No box is kept above M. Only two boxes are kept between L and H. Only three boxes are kept between M and H. N is kept immediately above H. Only four boxes are kept between L and I. G is kept at some place above O. Which box is kept second above G?

- Ans**
- ☒ A. H
 - ☒ B. L
 - ☒ C. M
 - ☒ D. O

Q.75 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. HV - KT
 - ☒ B. OA - RY
 - ☒ C. SZ - VW
 - ☒ D. YT - BR

Q.76 What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$14 \times 2 - 12 \div 4 + 8 = ?$$

- Ans**
- ☒ A. 16
 - ☒ B. 47
 - ☒ C. 22
 - ☒ D. 18

Q.77 In a certain code language,
A % B means 'A is the father of B',
A € B means 'A is the wife of B',
A = B means 'A is the mother of B', and
A ? B means 'A is the daughter of B'.
Based on the above, how is B related to X if 'B = C ? O % P € X'?

- Ans**
- ☒ A. Brother's wife
 - ☒ B. Wife
 - ☒ C. Sister
 - ☒ D. Wife's mother

Q.78 Each of the digits in the number 4317856 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ A. 10
 - ☒ B. 9
 - ☒ C. 7
 - ☒ D. 8

Q.79 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JM - NQ - RU
BE - FI - JM

- Ans**
- ☒ A. NE - QK - XQ
 - ☒ B. HI - MP - SU
 - ☒ C. MP - QT - UX
 - ☒ D. EB - IG - NL

Q.80 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GNI JRL MVO PZR ?

- Ans**
- ☒ A. RDV
 - ☒ B. SDU
 - ☒ C. TCV
 - ☒ D. TEU

Q.81 What should come in place of '?' in the given series?

372 321 277 240 210 187 ?

- Ans**
- ☒ A. 173
 - ☒ B. 171
 - ☒ C. 165
 - ☒ D. 168

Q.82 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

123, 116

102, 95

Ans ☒ A. 365, 357

☒ B. 413, 402

☒ C. 604, 596

☒ D. 541, 534

Q.83 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All brooms are rings.

No broom is a lamp.

Conclusions:

(I) Some lamps are rings.

(II) All rings are lamps.

Ans ☒ A. Neither conclusion (I) nor (II) follows

☒ B. Both conclusions (I) and (II) follow

☒ C. Only conclusion (II) follows

☒ D. Only conclusion (I) follows

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

Ans ☒ A. SA – LI

☒ B. YG-RO

☒ C. OW – HF

☒ D. AI-TQ

Q.85 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All kings are mountains. All mountains are arrows.

Conclusion (I): Some mountains are kings.

Conclusion (II): All kings are arrows.

Ans ☒ A. Only conclusion (II) follows

☒ B. Neither conclusion (I) nor (II) follows

☒ C. Only conclusion (I) follows

☒ D. Both conclusions (I) and (II) follow

Q.86 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☒ A. HKJ

☒ B. NQU

☒ C. PSW

☒ D. KNR

Q.87 Bhavesh starts from Point A and drives 19 km towards the east. He then takes a left turn, drives 16 km, turns left and drives 23 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 2 km to the north
 - ☐ B. 2 km to the south
 - ☐ C. 3 km to the south
 - ☐ D. 3 km to the north

Q.88 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ROD : UKF
OLF : RHH

- Ans**
- ☐ A. JQS : MMV
 - ☐ B. PUD : SRH
 - ☐ C. UIL : QFO
 - ☒ D. KFK : NBM

Q.89 Each of the digits in the number 7543168 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- Ans**
- ☐ A. 10
 - ☒ B. 9
 - ☐ C. 5
 - ☐ D. 6

Q.90 Each letter in the word COMPLEX is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans**
- ☒ A. L
 - ☐ B. N
 - ☐ C. D
 - ☐ D. K

Q.91 In a certain code language, 'LEST' is coded as '7453' and 'LOTS' is coded as '2735'. What is the code for 'O' in the given code language?

- Ans**
- ☐ A. 5
 - ☐ B. 7
 - ☐ C. 3
 - ☒ D. 2

Q.92 Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 7 5 6 8 4 1 5 3 2 8 6 4 7 6 9 2 5 8 7 1 3 4 6 5 8 2 7 (Right)

How many such odd digits are there which are immediately preceded by a perfect square and immediately followed by an odd digit?
(NOTE: 1 is also a perfect square.)

- Ans**
- ☐ A. More than three
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. One

Q.93 Each vowel in the word ANTIQUE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

- Ans**
- ☒ A. M
 - ☐ B. J
 - ☐ C. S
 - ☐ D. P

Q.94 In a certain code language,
A @ B means 'A is the sister of B',
A \$ B means 'A is the father of B',
A # B means 'A is the wife of B' and
A & B means 'A is the brother of B'.

How is E related to Y if 'E \$ N @ T # R & Y'?

- Ans**
- ☐ A. Brother's daughter's husband
 - ☐ B. Mother's brother
 - ☐ C. Brother's wife's sister
 - ☒ D. Brother's wife's father

Q.95 LOQK is related to SVXR in a certain way based on the English alphabetical order. In the same way, ILNH is related to PSUO. To which of the following is FIKE related, following the same logic?

- Ans**
- ☒ A. MPRL
 - ☐ B. PMLR
 - ☐ C. MPLR
 - ☐ D. PMRL

Q.96 In a certain code language, 'CANE' is coded as '5731' and 'RACE' is coded as '7435'. What is the code for 'R' in the given code language?

- Ans**
- ☐ A. 3
 - ☐ B. 5
 - ☐ C. 7
 - ☒ D. 4

Q.97 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. No box is kept above G. Only three boxes are kept between G and D. Only one box is kept between E and B. B is kept immediately above D. Only four boxes are kept between E and C. F is kept at some place above A. Which box is kept immediately below D?

- Ans**
- ☐ A. F
 - ☒ B. A
 - ☐ C. G
 - ☐ D. B

Q.98 What should come in place of '?' in the given series?

71 68 ? 53 41 26

- Ans**
- ☐ A. 64
 - ☐ B. 63
 - ☐ C. 61
 - ☒ D. 62

Q.99 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ACE HJL OQS VXZ ?

- Ans**
- ☒ A. CEG
 - ☐ B. CFF
 - ☐ C. CDG
 - ☐ D. CDF

Q.100 Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. O sits to the immediate right of G. F sits to the immediate right of H. Only two people sit between Q and O when counted from the right of Q. Only three people sit between M and G when counted from the right of G. How many people sit between F and L when counted from the right of F?

- Ans**
- ☐ A. One
 - ☒ B. Two
 - ☐ C. Three
 - ☐ D. Four



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	17/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 If 2, x, and 18 are in continued proportion, find the positive value of x.

- Ans
- ☒ A. 12
 - ☒ B. 4
 - ☒ C. 6
 - ☒ D. 9

Q.2 A prize of ₹8,400 is to be shared between A and B in the ratio 3:5. Find B's share.

- Ans
- ☒ A. ₹5,000
 - ☒ B. ₹5,200
 - ☒ C. ₹5,250
 - ☒ D. ₹5,150

Q.3 The present age of a father is thrice that of his son. After 15 years, the age of the father will be twice that of his son. What is the present age (in years) of the father?

- Ans
- ☒ A. 48
 - ☒ B. 45
 - ☒ C. 52
 - ☒ D. 42

Q.4 A cylindrical water tank has a radius of 7 cm and a height of 10 cm. What is its volume?
(Use $\pi = 22/7$)

- Ans
- ☒ A. 700 cm³
 - ☒ B. 440 cm³
 - ☒ C. 1540 cm³
 - ☒ D. 2200 cm³

Q.5 The largest four-digit number which when divided by 14, 15 and 8 leaves remainder 4 in each case is:

- Ans
- ☒ A. 9686
 - ☒ B. 9199
 - ☒ C. 9196
 - ☒ D. 9244

Q.6 Simplify: $\frac{1.2}{0.3} - \frac{2}{5}$

- Ans ☒ A. 3.6
☐ B. 4
☐ C. 3.2
☐ D. 3.4

Q.7 A school drum beats every 12 minutes, and the school bell rings every 18 minutes. If both sounded together at 9:00 AM, how many times will they sound together again before 11:00 AM?

- Ans ☒ A. 3
☐ B. 4
☐ C. 5
☐ D. 6

Q.8 Find the value of $\left(3 + \frac{4}{3} \text{ of } 2\frac{1}{4} \div 2\frac{2}{5} - 2\frac{1}{4} \text{ of } 3\frac{1}{5}\right)$.

- Ans ☒ A. -2.95
☐ B. 2.95
☐ C. -1.48
☐ D. 1.48

Q.9 Girish scored 448 marks in an examination and was 81 marks short of 46% of maximum marks. In the same examination, his friend scored 805 marks. What is the percentage of marks scored by his friend?

- Ans ☐ A. 71%
☒ B. 70%
☐ C. 67%
☐ D. 72%

Q.10 The average of 6.5, 10.8, 20 and a is 15. The value of a is:

- Ans ☐ A. 21.7
☐ B. 24.7
☒ C. 22.7
☐ D. 23.7

Q.11 A cyclist travels from point A to B and back from B to A along the same route. On the onward journey, he covers one-third of the distance at 12 km/hr and the remaining distance at 18 km/hr. On the return journey, he covers half of the distance at 9 km/hr and the remaining distance at 18 km/hr. Find the average speed (in km/hr) for the entire round trip.

- Ans ☐ A. 9 km/hr
☒ B. 13.5 km/hr
☐ C. 15 km/hr
☐ D. 11.5 km/hr

Q.12 Two trains of lengths 120 m and 180 m are moving in the same direction at speeds of 60 km/h and 40 km/h, respectively. Find the time taken by the trains to cross each other.

- Ans ☒ A. 54 seconds
☐ B. 76.9 seconds
☐ C. 59.3 seconds
☐ D. 67.9 seconds

Q.13 The sum of the digits of a two-digit number is 11. If the digits are reversed, the new number is 27 more than the original number. What is the original number?

- Ans**
- ☒ A. 56
 - ☒ B. 47
 - ☒ C. 38
 - ☒ D. 65

Q.14 If one angle of an isosceles triangle is 110° , what are the measures of the other angles of the triangle?

- Ans**
- ☒ A. 25° and 25°
 - ☒ B. 35° and 35°
 - ☒ C. 25° and 35°
 - ☒ D. 25° and 45°

Q.15 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 5% and 21% on any number of toys bought.
(B) Successive discounts of 38%, 33% and 21% on any number of toys bought.
(C) 8% discount on the first 6 toys and 27% discount on each toy thereon.
(D) 3 toys free of cost on buying 7 toys.
A customer wants to buy 7 toys. Which of the above schemes is the least beneficial to her?

- Ans**
- ☒ A. A
 - ☒ B. C
 - ☒ C. B
 - ☒ D. D

Q.16 A spherical tank has a radius of 2 meters. If the tank is filled with water to 80% of its total volume, what is the volume of water in the tank (rounded to the nearest cubic meter)?

- Ans**
- ☒ A. 33
 - ☒ B. 21
 - ☒ C. 38
 - ☒ D. 27

Q.17 A and B can do a piece of work in 12 days and 12 days, respectively. Both work for 3 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☒ A. 6
 - ☒ B. 5
 - ☒ C. 8
 - ☒ D. 7

Q.18 ₹2,288 is divided among Pankaj, Meera, and Ashok in such a way that if ₹39, ₹47, and ₹40 are deducted from their respective shares, they have money in the ratio 17:15:14. Find Meera's share after deduction.

- Ans**
- ☒ A. ₹855
 - ☒ B. ₹805
 - ☒ C. ₹705
 - ☒ D. ₹605

Q.19

The simplified value of $\frac{\left(\frac{12}{24}\right)}{\left(\frac{12}{6}\right)} \div \left(\frac{2}{9} \times \frac{18}{6} + \frac{4}{8}\right) + \frac{6}{9} \div \frac{28}{11}$ of $\frac{11}{9}$ is

Ans

☐ A. $\frac{1}{6}$

☐ B. $\frac{4}{3}$

☒ C. $\frac{3}{7}$

☐ D. $\frac{11}{2}$

Q.20 What is the compound interest on ₹3,000 for 2 years at 20% per annum, interest compounded annually?

Ans

☐ A. ₹1,200

☐ B. ₹1,300

☐ C. ₹1,440

☒ D. ₹1,320

Q.21 The following data shows the number of minutes taken by 15 students to complete a mathematics test: 42, 38, 55, 47, 50, 44, 60, 39, 48, 52, 45, 41, 49, 46, 53. Find the median time taken by the students.

Ans

☒ A. 47 minutes

☐ B. 46 minutes

☐ C. 48 minutes

☐ D. 47.5 minutes

Q.22 A sum of money becomes ₹7,865 after 2 years and ₹8,651.50 after 3 years on compound interest at the same rate, compounded annually. Find the sum.

Ans

☒ A. ₹6,500

☐ B. ₹7,000

☐ C. ₹7,200

☐ D. ₹6,800

Q.23 A wholesaler offers two options for a sofa set marked at ₹80,000: either a flat discount of 30% or two successive discounts of 20% and 12%. What is the difference in the selling price between the two options?

Ans

☒ A. ₹320

☐ B. ₹240

☐ C. ₹400

☐ D. ₹480

Q.24 A person sells two items: one at a profit of 20% and another at a loss of 10%. If both items cost ₹100 each, what is the overall gain or loss percentage?

Ans

☐ A. 10% loss

☐ B. 10% gain

☐ C. 5% loss

☒ D. 5% gain

Q.25 A town had a population of 5,000 at the beginning of a year. During the first year, the population decreased by 10%. In the following year, the population increased by 20%. What was the population of the town at the end of two years?

- Ans**
- ☐ A. 5800
 - ☐ B. 5500
 - ☐ C. 5200
 - ☒ D. 5400

Q.26 Evaluate $23^3 + (-15)^3 + (-8)^3$

- Ans**
- ☐ A. 8133
 - ☐ B. 8059
 - ☐ C. 8050
 - ☒ D. 8280

Q.27 During a sale, 50% of the goods are sold at 12% profit, 40% of the remaining goods are sold at 16% profit and the still remaining goods are sold at a loss of 19%. If there is an overall profit of x%, then what is the value of x?

- Ans**
- ☐ A. 2.5
 - ☐ B. 5.5
 - ☐ C. 4.5
 - ☒ D. 3.5

Q.28 10 men and 15 women can complete a project in 12 days. If after 8 days, only $\frac{2}{3}$ of the work is completed, how many more women must be added to finish the work in the next 2 days, assuming all men continue?

- Ans**
- ☐ A. 20
 - ☒ B. 25
 - ☐ C. 30
 - ☐ D. 35

Q.29 Which of the following numbers is divisible by 7?

- Ans**
- ☐ A. 21234
 - ☐ B. 24019
 - ☐ C. 23452
 - ☒ D. 24017

Q.30 Two poles of heights 10 m and 30 m stand vertically on level ground at a distance d apart. From a point on the ground between them, along the line joining their feet, the angles of elevation to their tops of the taller and the shorter poles are 60° and 30° , respectively. The distance d between the poles is:

- Ans**
- ☐ A. $25\sqrt{3}$ meters
 - ☐ B. $10\sqrt{3}$ meters
 - ☒ C. $20\sqrt{3}$ meters
 - ☐ D. $30\sqrt{3}$ meters

Section : General Awareness

Q.31 The Harappan Civilization flourished mainly during which of the following archaeological eras?

- Ans**
- ☐ A. Neolithic Age
 - ☒ B. Bronze Age
 - ☐ C. Iron Age
 - ☐ D. Chalcolithic Age

Q.32 What new laser-based weapon system did DRDO successfully field-test in April 2025, which is now being transferred for private sector production?

- Ans**
- ☐ A. Infrared Drone Interceptor
 - ☐ B. 100 kW Surya Laser System
 - ☒ C. 30 kW IDD&IS Mk-IIA
 - ☐ D. 2 kW Portable Laser

Q.33 Which provision of the Treaty of Allahabad most strengthened British political authority in eastern India?

- Ans**
- ☐ A. Restoration of Bengal's sovereign authority under the Mughal emperor.
 - ☐ B. Withdrawal of the Company's revenue claims from all northern subas immediately.
 - ☒ C. Granting of the Diwani rights of Bengal, Bihar, and Orissa to the Company.
 - ☐ D. Permanent transfer of Awadh territories under direct Company occupation.

Q.34 The Terai belt is best described as:

- Ans**
- ☐ A. A dry zone made of calcareous deposits
 - ☐ B. A coastal plain formed by marine deposits
 - ☒ C. A marshy tract with a high water table and thick forests
 - ☐ D. A high-altitude snow-covered plain

Q.35 Which Charter Act ended the East India Company's monopoly over trade with India?

- Ans**
- ☐ A. Charter Act of 1793
 - ☒ B. Charter Act of 1813
 - ☐ C. Charter Act of 1833
 - ☐ D. Charter Act of 1853

Q.36 In which of the following states of India is the Dilwara Temple, which exhibits a distinct architectural style that fuses elements of Jain, Hindu, and even Mughal craftsmanship, located?

- Ans**
- ☐ A. Punjab
 - ☐ B. Kerala
 - ☐ C. Gujarat
 - ☒ D. Rajasthan

Q.37 Who was the great general responsible for executing Alauddin Khilji's Deccan campaigns successfully?

- Ans**
- ☐ A. Qutbuddin Aibak
 - ☐ B. Ghiyasuddin Tughlaq
 - ☒ C. Malik Kafur
 - ☐ D. Balban

Q.38 Which software helps in maintaining and optimizing the system e.g., disk cleanup?

- Ans**
- ☐ A. Application software
 - ☒ B. Utility software
 - ☐ C. Programming software
 - ☐ D. Firmware

Q.39 Which Article of the Indian Constitution provides for the constitution of Gram Sabha?

- Ans**
- ☐ A. Article 224A
 - ☒ B. Article 243A
 - ☐ C. Article 243B
 - ☐ D. Article 224B

Q.40 Which process is responsible for the rising of warm air over a heated surface?

- Ans**
- ☐ A. Radiation
 - ☐ B. Insulation
 - ☒ C. Convection
 - ☐ D. Conduction

Q.41 A physics lab experiment requires the measurement of temperature using the correct SI unit. Which unit should the student use to record temperature readings according to the SI system?

- Ans**
- ☐ A. Celsius
 - ☐ B. Fahrenheit
 - ☒ C. Kelvin
 - ☐ D. Joule

Q.42 Which of the following substances should be added to acidic soil to neutralize it effectively?

- Ans**
- ☐ A. Vinegar (lime)
 - ☐ B. Baking soda (Sodium bicarbonate)
 - ☐ C. Table salt
 - ☒ D. Quicklime (calcium oxide)

Q.43 Which state government in March 2025 has passed the Coaching Centres (Control and Regulation) Bill 2025, which aims to regulate coaching centres across the state?

- Ans**
- ☒ A. Rajasthan
 - ☐ B. Madhya Pradesh
 - ☐ C. Kerala
 - ☐ D. Andhra Pradesh

Q.44 What was the theme of World Consumer Rights Day 2025?

- Ans**
- ☐ A. "Fair and Responsible AI for Consumers."
 - ☐ B. "Fair Digital Finance".
 - ☒ C. "A Just Transition to Sustainable Lifestyles."
 - ☐ D. "Empowering Consumers Through Clean Energy Transitions".

Q.45 According to the Indian Constitution, which Article governs the appointment of an Acting Chief Justice of India?

- Ans**
- ☐ A. Article 122
 - ☒ B. Article 126
 - ☐ C. Article 120
 - ☐ D. Article 130

Q.46 Which of the following industries uses cotton as its main raw material?

- Ans**
- ☒ A. Textile Industry
 - ☐ B. Cement Industry
 - ☐ C. Mining Industry
 - ☐ D. Iron and Steel Industry

Q.47 Which of the following international agreements aims to phase out ozone-depleting substances?

- Ans**
- ☐ A. Ramsar Convention
 - ☐ B. Paris Agreement
 - ☒ C. Montreal Protocol
 - ☐ D. Kyoto Protocol

Q.48 Which of the following inscriptions is the main source of information of Samudragupta's military achievements?

- Ans**
- ☐ A. Mehrauli Iron Pillar Inscription
 - ☐ B. Junagadh Rock Inscription
 - ☐ C. Nasik Cave Inscription
 - ☒ D. Allahabad Pillar Inscription

Q.49 Which of the following is a traditional folk music form from the state of Rajasthan, known for its high-energy rhythms and lively melodies?

- Ans**
- ☒ A. Maand
 - ☐ B. Lavani
 - ☐ C. Baul
 - ☐ D. Bhatiali

Q.50 All India Rural Financial Inclusion Survey (NAFIS) is conducted by which organisation?

- Ans**
- ☐ A. FICCI
 - ☒ B. NABARD
 - ☐ C. CII
 - ☐ D. RBI

Q.51 Which Indian port situated at the entrance of the Zuari estuary gained significance after remodelling in 1961 to handle iron-ore exports to Japan?

- Ans**
- ☐ A. Jawaharlal Nehru Port
 - ☐ B. New Mangalore Port
 - ☐ C. Kandla Port
 - ☒ D. Marmagao Port

Q.52 According to the 2025 report, which Nordic country consistently ranks among the top in happiness?

- Ans**
- ☐ A. Norway
 - ☒ B. Finland
 - ☐ C. Sweden
 - ☐ D. Iceland

Q.53 Who started the Arya Samaj movement in 1875?

- Ans**
- ☐ A. Ramakrishna Paramhansa
 - ☐ B. Raja Ram Mohan Roy
 - ☒ C. Dayanand Saraswati
 - ☐ D. Mahatma Gandhi

Q.54 India became a member of the World Trade Organization (WTO) to boost global trade participation. In which year did India join the WTO?

- Ans**
- ☐ A. 2001
 - ☐ B. 1993
 - ☒ C. 1995
 - ☐ D. 1991

Q.55 Which of the following statements about carbon monoxide in the air is correct?

- Ans**
- ☐ A. It is harmless because it is quickly converted into oxygen
 - ☒ B. The incomplete combustion of fossil fuels produces it and replaces oxygen in haemoglobin
 - ☐ C. It is released only from natural forest fires and volcanoes
 - ☐ D. It is less dangerous than carbon dioxide for human health

Q.56 The International Telecommunication Union (ITU) Global Youth Summit 2025 (GYS-25), under the theme “Amplifying youth voices in ICT,” was held in which location from 11-13 March 2025?

- Ans**
- ☐ A. Santo Domingo, Dominican Republic
 - ☐ B. Havana, Cuba
 - ☐ C. Kingston, Jamaica
 - ☒ D. Varadero, Cuba

Q.57 Which part of Windows 10 OS settings can you use to change when the computer enters Power Saving Mode?

- Ans**
- ☐ A. Network & Internet
 - ☒ B. Power & Sleep Settings
 - ☐ C. Display Settings
 - ☐ D. Updates & Security

Q.58 Which of the following Amendments to the Constitution of India introduced Fundamental Duties in the form of Article 51A?

- Ans**
- ☐ A. 24th Amendment, 1971
 - ☐ B. 52nd Amendment, 1985
 - ☒ C. 42nd Amendment, 1976
 - ☐ D. 44th Amendment, 1978

Q.59 What was proven to exist in an atom, by Rutherford's gold foil experiment?

- Ans**
- ☐ A. Electron
 - ☐ B. Neutron
 - ☒ C. Nucleus
 - ☐ D. Proton

Q.60 Telangana's vision is to achieve a \$3 trillion State GDP by .

- Ans**
- ☒ A. 2047
 - ☐ B. 2035
 - ☐ C. 2030
 - ☐ D. 2042

Q.61 In Microsoft Word 2016 and later versions, when text spanning multiple paragraphs is highlighted and the user presses Ctrl + C, what operation is performed?

- Ans**
- ☒ A. Transfers the highlighted paragraphs to clipboard for duplication elsewhere
 - ☐ B. Permanently erases the highlighted paragraphs from existence
 - ☐ C. Immediately inserts the paragraphs at the document's beginning
 - ☐ D. Automatically saves the entire document with paragraphs updated

Q.62 Which of the following devices can act as both an input as well as an output device?

- Ans**
- ☐ A. Digital Camera
 - ☐ B. Barcode Reader
 - ☒ C. Touchscreen
 - ☐ D. Plotter

Q.63 Which country has gifted India eight cheetahs for the next phase of Project Cheetah, as witnessed during a symbolic release at Mokolodi Nature Reserve in November 2025?

- Ans**
- ☐ A. Namibia
 - ☒ B. Botswana
 - ☐ C. South Africa
 - ☐ D. Kenya

Q.64 As highlighted in late September–October 2025 coverage of the **Sustainable Development Report 2025**, what was India’s position and score in the **UN SDG Index 2025**?

- Ans**
- ☐ A. Rank 79 with an overall SDG index score close to 71 points
 - ☐ B. Rank 109 with an overall SDG index score close to 65 points
 - ☒ C. Rank 99 with an overall SDG index score close to 67 points
 - ☐ D. Rank 89 with an overall SDG index score close to 69 points

Q.65 When was the Verma Committee Report on Fundamental Duties submitted to the Union Government?

- Ans**
- ☒ A. 1999
 - ☐ B. 1998
 - ☐ C. 2001
 - ☐ D. 2000

Q.66 Which Indian badminton player became the first from the country to win the prestigious All England Championship?

- Ans**
- ☐ A. Kidambi Srikanth
 - ☐ B. HS Prannoy
 - ☐ C. Saina Nehwal
 - ☒ D. Prakash Padukone

Q.67 When did the Balwant Rai Mehta Committee submit its report related to the Panchayati Raj System?

- Ans**
- ☐ A. 1958
 - ☐ B. 1956
 - ☒ C. 1957
 - ☐ D. 1962

Q.68 Overseas Citizenship of India cardholders receive lifelong visa facilities, but they cannot obtain which of the following rights in India?

- Ans**
- ☐ A. Pay taxes
 - ☐ B. Own property in India
 - ☒ C. Voting or holding a government job
 - ☐ D. Study in India

Q.69 Which of the following best describes ‘disguised unemployment’ in the Indian context?

- Ans**
- ☐ A. Workers are temporarily unemployed during economic slowdown.
 - ☐ B. Workers shift from one job to another frequently.
 - ☒ C. More people are employed than actually needed, with marginal productivity being zero.
 - ☐ D. Workers are not willing to work.

Q.70 According to the Census 2011, which of the following states was the second most populous in the country?

- Ans**
- ☐ A. Karnataka
 - ☐ B. Bihar
 - ☐ C. West Bengal
 - ☒ D. Maharashtra

Q.71 Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P1 sits to the immediate right of P3. P6 sits third to left of P3. P2 is sitting immediately between P3 and P7. P5 sits immediately left of P6. What is the position of P4 with respect to P1?

- Ans**
- ☒ A. Immediate right
 - ☐ B. Second to the left
 - ☐ C. Second to the right
 - ☐ D. Immediate left

Q.72 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

FGJ : HAE

KLO : MFJ

- Ans**
- ☐ A. MGQ : OAM
 - ☐ B. FJL : HDH
 - ☐ C. HMG : JGC
 - ☒ D. BMV : DGQ

Q.73 What should come in place of '?' in the given series?

314 277 244 215 190 169 ?

- Ans**
- ☐ A. 155
 - ☐ B. 149
 - ☒ C. 152
 - ☐ D. 146

Q.74 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only D is kept above G. Only two boxes are kept between G and A. Only B is kept below E. F is not kept immediately above A. How many boxes are kept between E and F?

- Ans**
- ☐ A. 1
 - ☒ B. 2
 - ☐ C. 4
 - ☐ D. 3

Q.75 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TAV SZU RYT QXS ?

- Ans**
- ☐ A. NWT
 - ☐ B. NOT
 - ☒ C. PWR
 - ☐ D. OXS

Q.76 In a certain code language, 'XEQA' is coded as '49' and 'KLCH' is coded as '36'. What is the code for 'NJDx' in the given code language?

- Ans**
- ☐ A. 51
 - ☐ B. 49
 - ☐ C. 55
 - ☒ D. 54

Q.77 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of the question mark '?' in the following equation?
19 C 6 B 5 D 72 A 8 = ?

- Ans
- ☒ A. 47
 - ☒ B. 40
 - ☒ C. 45
 - ☒ D. 43

Q.78 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 323
19, 360

- Ans
- ☒ A. 14, 196
 - ☒ B. 20, 400
 - ☒ C. 22, 485
 - ☒ D. 21, 440

Q.79 In a certain code language,
A > B means 'A is the sister of B',
A = B means 'A is the father of B',
A ! B means 'A is the wife of B' and
A – B means 'A is the son of B'.

How is S related to E if 'S > C – O = P ! E'?

- Ans
- ☒ A. Wife's sister
 - ☒ B. Wife's mother
 - ☒ C. Wife's daughter
 - ☒ D. Wife's brother

Q.80 What should come in place of '?' in the given series?
118 149 211 242 304 335 ?

- Ans
- ☒ A. 427
 - ☒ B. 387
 - ☒ C. 407
 - ☒ D. 397

Q.81 Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P7 sits second to right of P1. There are exactly two people between P1 and P6 when checked from right of P1. P2 is sitting immediately between P5 and P6. P3 sits second to right of P4. Who is sitting immediately between P6 and P3?

- Ans
- ☒ A. P5
 - ☒ B. P1
 - ☒ C. P4
 - ☒ D. P7

Q.82 Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above E. Only B is kept between E and Q. Only R is kept below C. Only one box is kept between Q and D. How many boxes are kept between S and R?

- Ans
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Four

Q.83 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options the triad which follows the same logic.

DISK - DKSJ - KSID
LEAF - LFAE - FAEL

- Ans ☒ A. POEM - PMEO - MEOP
☐ B. GOAT - GAOT - TAOG
☐ C. PRAY - PRYA - RAYP
☐ D. WEST - EWST - TESW

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans ☒ A. UT-PR
☐ B. ZY-VU
☐ C. JI-FE
☐ D. ML-IH

Q.85 What should come in place of ? in the given series based on the English alphabetical order?
POR VUX BAD HGJ ?

- Ans ☐ A. NLO
☒ B. NMP
☐ C. NNO
☐ D. NOQ

Q.86 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

TO-UP-VY
QL-RM-SV

- Ans ☐ A. NI-OJ-PR
☐ B. MI-OK-PR
☐ C. MI-OJ-PR
☒ D. NI-OJ-PS

Q.87 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cars are bars.
No car is a sun.

Conclusions:

(I) Some suns are bars.
(II) All bars are suns.

- Ans ☐ A. Both conclusions (I) and (II) follow
☒ B. Neither conclusion (I) nor (II) follows
☐ C. Only conclusion (II) follows
☐ D. Only conclusion (I) follows

Q.88 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. WB - PY
 - ☒ B. IN - BK
 - ☒ C. TY - MV
 - ☒ D. EJ - RG

Q.89 Each vowel in the word WRENCHINGLY is changed to the letter immediately following it in the English alphabetical order AND each consonant is changed to the second letter preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. One

Q.90 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Roast
2. Router
3. Road
4. Robust
5. Rope

- Ans**
- ☒ A. 1, 4, 3, 2, 5
 - ☒ B. 1, 4, 3, 5, 2
 - ☒ C. 3, 1, 5, 4, 2
 - ☒ D. 3, 1, 4, 5, 2

Q.91 Rakesh ranked 39th from the top and 46th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 86
 - ☒ B. 84
 - ☒ C. 83
 - ☒ D. 85

Q.92 X is the mother of F. F is the sister of T. U is the father of K. K is the husband of T. How is K related to X?

- Ans**
- ☒ A. Father
 - ☒ B. Daughter's husband
 - ☒ C. Brother
 - ☒ D. Daughter's son

Q.93 Each of the digits in the number 4738165 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. None

Q.94 In a certain code language, 'zebra peak blue' is coded as 'sr dt tx' and 'bee zebra chest' is coded as 'dt bm qb'. How is 'zebra' coded in the given language?

- Ans
- ☐ A. sr
 - ☐ B. bm
 - ☐ C. tx
 - ☒ D. dt

Q.95 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ A. UC – QY
 - ☐ B. TR – PN
 - ☐ C. BP – XL
 - ☒ D. KF – GA

Q.96 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All bats are chicks.
All bats are mats.

Conclusions:

(I) Some chicks are mats.
(II) All mats are bats.

- Ans
- ☐ A. Only conclusion (II) follows
 - ☒ B. Only conclusion (I) follows
 - ☐ C. Neither conclusion (I) nor (II) follows
 - ☐ D. Both conclusions (I) and (II) follow

Q.97 The position(s) of how many letters will remain unchanged if each of the letters in the word ORANGEY is arranged in the English alphabetical order?

- Ans
- ☐ A. Four
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.98 Yaman starts from Point A and drives 18 km towards the west. He then takes a right turn, drives 19 km, turns right and drives 21 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☐ A. 3 km to the south
 - ☐ B. 2 km to the south
 - ☒ C. 4 km to the north
 - ☐ D. 5 km to the north

Q.99 If 'D' stands for '+', 'B' stands for '×', 'A' stands for '+' and 'C' stands for '−', then what will come in place of the question mark (?) in the following equation?

$$16 \text{ C } 92 \text{ D } 4 \text{ A } 12 \text{ B } 7 \text{ C } 15 = ?$$

- Ans
- ☐ A. 87
 - ☐ B. 32
 - ☐ C. 91
 - ☒ D. 62

Q.100 What should come in place of '?' in the given series based on the English alphabetical order?

CBY WVS QPM KJG ?

Ans  A. EDA

 B. GCA

 C. HDP

 D. FCB



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	17/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 An amount of ₹6,900 is obtained after 3 years at simple interest at the rate of 5% interest per annum. What is the principal invested?

- Ans
- ☒ A. ₹5,600
 - ☒ B. ₹6,000
 - ☒ C. ₹5,800
 - ☒ D. ₹6,400

Q.2 The present ages of two persons, X and Y, are in the ratio 4 : 5. Five years from now, the difference between X's age and Y's age will be 3 years. Find the sum of their present ages (in years).

- Ans
- ☒ A. 27
 - ☒ B. 25
 - ☒ C. 26
 - ☒ D. 24

Q.3 Article M is sold at a reduction of ₹3,000 from its original price, and Article N is sold at a reduction of ₹2,500 from its original price. If the original prices of both articles were ₹10,000, reduction in price of M is R1% and reduction in price of N is R2%, find the difference between R1 and R2.

- Ans
- ☒ A. 10
 - ☒ B. 5
 - ☒ C. 15
 - ☒ D. 20

Q.4 A delivery drone is hovering at a fixed point in the air. From two points on the ground in a straight line on opposite sides of the drone, the angles of elevation of the drone are 30° and 60° . If the horizontal distance between the two points is 94 m, find the vertical height at which the drone is hovering. (Take $\sqrt{3} = 1.73$)

- Ans
- ☒ A. 42.562 m
 - ☒ B. 40.752 m
 - ☒ C. 41.652 m
 - ☒ D. 40.655 m

Q.5 Find the third proportional to $(a^2 - b^2)$ and $(a + b)$, given that $a \neq b$.

- Ans
- ☒ A. $\frac{(a+b)}{(a-b)}$
 - ☐ B. $\frac{(a-b)}{(a+b)}$
 - ☐ C. $\frac{(a+b)^2}{(a-b)}$
 - ☐ D. $\frac{(a-b)^2}{(a+b)}$

Q.6

Simplify: $\frac{\left(\frac{10}{18}\right)}{\left(\frac{10}{9}\right)} \div \left(\frac{4}{9} \times \frac{18}{12} + \frac{5}{6}\right) + \frac{9}{9} \div \frac{27}{15}$ of $\frac{15}{9}$

Ans

- ☐ A. $\frac{12}{11}$
- ☐ B. $\frac{3}{10}$
- ☐ C. $\frac{11}{1}$
- ☒ D. $\frac{2}{3}$

Q.7 The diagonals of a rhombus are in the ratio 5 : 12 and its area is 240 cm². Find the lengths (in cm) of the diagonals.

- Ans
- ☒ A. $10\sqrt{2}$ and $24\sqrt{2}$
 - ☐ B. 10 and 24
 - ☐ C. $5\sqrt{2}$ and $12\sqrt{2}$
 - ☐ D. 5 and 12

Q.8 Three numbers are in the ratio 10 : 13 : 11, and their LCM is 2860. Their HCF is:

- Ans
- ☐ A. 9
 - ☒ B. 2
 - ☐ C. 3
 - ☐ D. 4

Q.9 The lengths of two rods are 4 cm and 6 cm. A third rod is made such that the three rods are in continued proportion. What will be the length of the third rod?

- Ans
- ☐ A. 12 cm
 - ☐ B. 10 cm
 - ☐ C. 8 cm
 - ☒ D. 9 cm

Q.10 A solid cylinder of radius 6 cm and height 14 cm is melted and recast into a hollow cylinder of half the height of the original cylinder. If the outer radius of the hollow cylinder is twice its inner radius, find the outer radius (in cm) of the hollow cylinder.

- Ans**
- ☒ A. 8
 - ☒ B. $4\sqrt{6}$
 - ☒ C. $6\sqrt{6}$
 - ☒ D. $8\sqrt{3}$

Q.11 The sides of a triangle are 51 cm, 35 cm, and 26 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 35 cm?

- Ans**
- ☒ A. 60
 - ☒ B. 53
 - ☒ C. 40
 - ☒ D. 24

Q.12 What is the smallest number that must be added to 4583 so that the resulting number is divisible by 9?

- Ans**
- ☒ A. 1
 - ☒ B. 7
 - ☒ C. 5
 - ☒ D. 3

Q.13 Mike, Connor and Floyd can finish a certain piece of work in 8, 22 and 33 days, respectively. All three of them started the work together. Mike left the work after 4 days and Connor left just 2 days before the work was completed. Find the total number of days taken for the work to be completed.

- Ans**
- ☒ A. 7.8
 - ☒ B. 18.9
 - ☒ C. 7.1
 - ☒ D. 3.8

Q.14 A trader sells an article at a profit of 16%. If he had sold it for ₹80 more, his profit would have been 48%. Find the number of articles sold, given that the total cost price is ₹8,000.

- Ans**
- ☒ A. 25
 - ☒ B. 32
 - ☒ C. 35
 - ☒ D. 38

Q.15 Subrata invested a certain amount of money at 10% per annum. After 2 years, he received ₹220.5 as compound interest, compounded annually. Find the corresponding simple interest (in ₹) for 2 years at the same rate.

- Ans**
- ☒ A. 195
 - ☒ B. 210
 - ☒ C. 200
 - ☒ D. 205

Q.16 Nisha noted the number 76488 in her register. What is the remainder when it is divided by 8?

- Ans**
- ☒ A. 0
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. 2

Q.17 Evaluate $20^3 + (-16)^3 + (-4)^3$

- Ans
- ☐ A. 3661
 - ☐ B. 3630
 - ☒ C. 3840
 - ☐ D. 3868

Q.18 A shopkeeper buys sugar at ₹25 per kg. He marks it at ₹32 per kg and allows a 20% discount on the marked price. While selling, he uses an 800 g weight instead of 1 kg. There is no other loss or expense. What is the overall profit or loss percentage of the shopkeeper?

- Ans
- ☐ A. 30% loss
 - ☐ B. 28% Loss
 - ☒ C. 28% profit
 - ☐ D. 30% profit

Q.19 A person spends 70% of his income. If his income increases by 20% and his expenditure increases by 25%, then find the percentage change in his savings.

- Ans
- ☐ A. $8\frac{1}{3}\%$ decrease
 - ☐ B. $7\frac{1}{4}\%$ increase
 - ☐ C. $6\frac{1}{4}\%$ decrease
 - ☒ D. $8\frac{1}{3}\%$ increase

Q.20 The number of hours spent per day by 10 students watching educational videos during a week are as follows:
2, 3, 4, 2, 5, 3, 2, 4, 2, 3. Find the mode.

- Ans
- ☒ A. 2 hours
 - ☐ B. 5 hours
 - ☐ C. 3 hours
 - ☐ D. 4 hours

Q.21 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 38% and 39% on any number of toys bought.
(B) Successive discounts of 42%, 38% and 20% on any number of toys bought.
(C) 11% discount on the first 2 toys and 42% discount on each toy thereon.
(D) 9 toys free of cost on buying 10 toys.
A customer wants to buy 10 toys. Which of the above schemes is the least beneficial to her?

- Ans
- ☐ A. B
 - ☒ B. C
 - ☐ C. D
 - ☐ D. A

Q.22 Inlet M fills a tank in 24 minutes and Inlet N fills it in 32 minutes. Outlet O drains the tank. When all three operate simultaneously, the tank fills in 32 minutes. How long does O take to drain a full tank alone?

- Ans
- ☐ A. 44 minutes
 - ☒ B. 24 minutes
 - ☐ C. 14 minutes
 - ☐ D. 34 minutes

Q.23 At a health club, 42% of the members are women and 58% of the members are men. If the average age of the men is 57 years and the average age of the women is 42 years, what is the average age (in years) of all the members?

- Ans**
- ☒ A. 50.7
 - ☐ B. 56.7
 - ☐ C. 57.6
 - ☐ D. 44.9

Q.24 Simplify: $(\sqrt{5} + \sqrt{20})^2$

- Ans**
- ☒ A. 45
 - ☐ B. 50
 - ☐ C. 65
 - ☐ D. 25

Q.25 If the ratio of the number of boys to girls in a class is 5:7 and the ratio of girls to teachers is 14:1, what is the ratio of boys to teachers?

- Ans**
- ☒ A. 10:1
 - ☐ B. 7:2
 - ☐ C. 5:2
 - ☐ D. 7:1

Q.26 Two trains of equal lengths cross a stationary pole in 12 seconds and 16 seconds, respectively. How long will it take for the trains to cross each other when running in opposite directions? (Write your answer rounded off to two decimal places.)

- Ans**
- ☐ A. 14.53 seconds
 - ☐ B. 12.61 seconds
 - ☐ C. 15.43 seconds
 - ☒ D. 13.71 seconds

Q.27 The ratio between the speeds of two trains is 5:8. If the second train covers 300 km in 3 hours, then find the speed of the first train.

- Ans**
- ☐ A. 63.8 km/h
 - ☒ B. 62.5 km/h
 - ☐ C. 65.2 km/h
 - ☐ D. 72.5 km/h

Q.28 Three ropes of lengths 54 m, 72 m and 90 m are to be cut into smaller pieces of equal lengths such that no rope is left over. What is the maximum possible length of each smaller piece?

- Ans**
- ☐ A. 24 m
 - ☒ B. 18 m
 - ☐ C. 36 m
 - ☐ D. 12 m

Q.29 A jacket with a marked price of ₹2,000 is sold for ₹1,530 after two successive discounts. If the first discount is 15%, what is the second discount percentage?

- Ans**
- ☐ A. 8%
 - ☐ B. 5%
 - ☐ C. 12%
 - ☒ D. 10%

Q.30 If twice the smaller of two numbers is added to three times the larger number, the result is 55. If the larger is increased by 5, it becomes twice the smaller. What is the larger number?

- Ans**
- ☐ A. 10.5
 - ☐ B. 12.75
 - ☐ C. 10.75
 - ☒ D. 12.5

Section : **General Awareness**

Q.31 When a stretched rubber band is released, its stored potential energy is converted into which form of energy?

- Ans**
- ☐ A. Hydraulic Energy
 - ☐ B. Chemical Energy
 - ☒ C. Kinetic Energy
 - ☐ D. Geothermal Energy

Q.32 Who was the winner of the 2024 Ramon Magsaysay Award from Indonesia?

- Ans**
- ☒ A. Farwiza Farhan
 - ☐ B. Dr. Nguyen Thi Ngoc Phuong
 - ☐ C. Hayao Miyazaki
 - ☐ D. Karma Phuntsho

Q.33 Which of the following pairs is formed inside limestone caves by deposition?

- Ans**
- ☐ A. Levees and meanders
 - ☒ B. Stalactites and stalagmites
 - ☐ C. Drumlins and eskers
 - ☐ D. Cirques and horns

Q.34 Which national organisation jointly launched the “Earth Summit 2025-26” along with Internet and Mobile Association of India (IAMAI) to empower rural innovation?

- Ans**
- ☐ A. Export-Import Bank of India (EXIM)
 - ☐ B. Small Industries Development Bank of India (SIDBI)
 - ☐ C. National Rural Livelihood Mission (NRLM)
 - ☒ D. National Bank for Agriculture and Rural Development (NABARD)

Q.35 Which type of agriculture is commonly practised in the wheat-producing regions of the USA and Canada?

- Ans**
- ☐ A. Intensive subsistence farming
 - ☐ B. Shifting cultivation
 - ☐ C. Plantation agriculture
 - ☒ D. Commercial grain farming

Q.36 Which of the following Vedas is known as the ‘Veda of Music’?

- Ans**
- ☒ A. Samaveda
 - ☐ B. Atharvaveda
 - ☐ C. Rigveda
 - ☐ D. Yajurveda

Q.37 Under which article can the president summon, prorogue, or dissolve either house of Parliament?

- Ans**
- ☐ A. Article 87
 - ☐ B. Article 79
 - ☐ C. Article 108
 - ☒ D. Article 85

Q.38 Which of the following is a Parliamentary committee?

- Ans**
- ☐ A. A committee formed by the President
 - ☐ B. A judicial panel of judges
 - ☐ C. A panel of civil servants
 - ☒ D. A panel of MPs selected by the House or Speaker

Q.39 The peeling of curved sheets from massive rocks due to temperature changes is known as:

- Ans**
- ☒ A. Exfoliation
 - ☐ B. Carbonation
 - ☐ C. Salt crystallisation
 - ☐ D. Abrasion

Q.40 A ".xlsx" file is created for:

- Ans**
- ☐ A. Text paragraphs
 - ☐ B. Sound editing
 - ☐ C. Booting the computer
 - ☒ D. Spreadsheet data

Q.41 The process by which water moves from the soil (high water concentration) into root cells (low water concentration) through a semi-permeable membrane is called ____.

- Ans**
- ☐ A. Diffusion
 - ☒ B. Osmosis
 - ☐ C. Plasmolysis
 - ☐ D. Active Transport

Q.42 By what percentage did rural poverty decline in India between 2005 and 2015 as a result of inclusive growth policies, according to the World Bank?

- Ans**
- ☐ A. 20%
 - ☐ B. 12%
 - ☐ C. 8%
 - ☒ D. 16%

Q.43 The Khajuraho group of temples was primarily built under which dynasty?

- Ans**
- ☒ A. Chandela
 - ☐ B. Rashtrakuta
 - ☐ C. Solanki
 - ☐ D. Gahadavala

Q.44 Which of the following Indian rivers is famous for its 'badland topography'?

- Ans**
- ☒ A. Chambal
 - ☐ B. Ken
 - ☐ C. Ramganga
 - ☐ D. Gandak

Q.45 What prompted the Kol uprising in the Chhotanagpur region during 1831–32?

- Ans**
- ☐ A. The spread of famines caused by failures in rice-growing regions.
 - ☒ B. Transfer of tribal lands and intrusion of moneylenders and merchants.
 - ☐ C. Ban on local festivals perceived as a threat to public order.
 - ☐ D. Conscription of young men into British units for foreign service.

Q.46 What effect did reforms have on India's GDP growth rate?

- Ans**
- ☐ A. Decreased slowly
 - ☐ B. Fluctuated unpredictably
 - ☒ C. Increased significantly
 - ☐ D. No change

Q.47 Which of the following Schedules was added to the Constitution of India, to provide for the disqualification of the members of Parliament and the state legislatures on the ground of defection from one political party to another?

- Ans**
- ☐ A. Schedule XI
 - ☐ B. Schedule XII
 - ☐ C. Schedule IX
 - ☒ D. Schedule X

Q.48 Where did NATO announce increased military presence on January 18, 2025, following suspected sabotage of undersea infrastructure?

- Ans**
- ☐ A. Black Sea
 - ☐ B. Mediterranean Sea
 - ☒ C. Baltic Sea
 - ☐ D. North Sea

Q.49 Which Article gives religious denominations the authority to conduct their religious affairs?

- Ans**
- ☐ A. Article 24
 - ☒ B. Article 26
 - ☐ C. Article 27
 - ☐ D. Article 23

Q.50 Which edition of the Khelo India University Games is being held in Rajasthan starting November 24, 2025?

- Ans**
- ☐ A. Fourth
 - ☐ B. Sixth
 - ☒ C. Fifth
 - ☐ D. Third

Q.51 Which command-line tool is used in Windows to search for file names across directories without opening File Explorer?

- Ans**
- ☐ A. chkdsk
 - ☐ B. Tasklist
 - ☐ C. Ping
 - ☒ D. dir /s

Q.52 Which Indian naval ship is taking part in the Malabar exercise for the Quad Naval Drill in November 2025?

- Ans**
- ☐ A. INS Shivalik
 - ☒ B. INS Sahyadri
 - ☐ C. INS Kolkata
 - ☐ D. INS Vikrant

Q.53 During the Revolt of 1857, the villagers of pargana Barout in Uttar Pradesh rallied under the leadership of which local figure?

- Ans**
- ☒ A. Shah Mal
 - ☐ B. Gonoo Kol
 - ☐ C. Birjis Qadr
 - ☐ D. Nana Sahib

Q.54 What was the theme for International Women's Day 2025?

- Ans**
- ☐ A. Gender equality today for a sustainable tomorrow
 - ☒ B. For ALL Women and Girls: Rights. Equality. Empowerment
 - ☐ C. DigitALL: Innovation and technology for gender equality
 - ☐ D. Invest in Women: Accelerate Progress

Q.55 Which description best matches the purpose of the Startup apps tab in newer Windows Task Manager versions?

- Ans**
- ☐ A. Shows network connections for each app
 - ☐ B. Lists all installed applications
 - ☒ C. Manages which programs are allowed to start automatically when the user signs in
 - ☐ D. Displays system restore points

Q.56 What is a key feature of globalisation?

- Ans**
- ☐ A. Promotion of only domestic industries within national boundaries
 - ☐ B. Separation of national economies from global economic systems
 - ☒ C. Creation of networks across economic, social, and geographic boundaries
 - ☐ D. Reduction of international trade and cross-border economic linkages

Q.57 The Twenty-Ninth Amendment Act of 1972 included which of the following in the Ninth Schedule?

- Ans**
- ☐ A. Reservation in promotions
 - ☒ B. Two Kerala Acts on land reforms
 - ☐ C. Environmental protection laws
 - ☐ D. Special provisions for Mizoram

Q.58 The term 'Kriti' in Carnatic music refers to:

- Ans**
- ☒ A. a compositional lyric form
 - ☐ B. a melodic scale in music
 - ☐ C. a type of musical ornamentation
 - ☐ D. a rhythmic pattern

Q.59 At which place did Sher Shah first defeat Humayun in 1539?

- Ans**
- ☐ A. Gwalior
 - ☒ B. Chausa
 - ☐ C. Kannauj
 - ☐ D. Panipat

Q.60 Rangabati is a famous folk dance from which of the following states of India?

- Ans**
- ☐ A. Uttar Pradesh
 - ☐ B. West Bengal
 - ☒ C. Odisha
 - ☐ D. Gujarat

Q.61 Which one of the following combinations contributes to low population density?

- Ans**
- ☐ A. River valleys, floodplains, health clinics
 - ☒ B. Harsh climate, poor soil, few roads
 - ☐ C. Mild winters, abundant water, schools
 - ☐ D. Flat terrain, fertile soil, urban jobs

Q.62 Which of the following tunnels has been inaugurated in January 2026 to improve year-round connectivity between Sonamarg and Srinagar?

- Ans**
- ☒ A. Z-Morh tunnel
 - ☐ B. Pir Panjal tunnel
 - ☐ C. Atal tunnel
 - ☐ D. Nehru tunnel

Q.63 Which standard is commonly used for wired LANs?

- Ans**
- ☐ A. IEEE 802.16
 - ☐ B. IEEE 802.11
 - ☒ C. IEEE 802.3
 - ☐ D. IEEE 802.15

Q.64 Which of the following explains that during a chemical reaction, the sum of masses of the reactants and products remains unchanged?

- Ans**
- ☐ A. Law of Periodicity
 - ☐ B. Law of Definite Proportions
 - ☐ C. Law of Definite Composition
 - ☒ D. Law of Conservation of Mass

Q.65 The Chinese pilgrim Xuanzang (Hiuen Tsang) visited Kashmir during the reign of:

- Ans**
- ☐ A. Yashodharman
 - ☒ B. Durlabhavardhana
 - ☐ C. Harshavardhana
 - ☐ D. Pulakeshin II

Q.66 Which strategy was used by the British to regain control after initial rebel victories across northern India in the Revolt of 1857?

- Ans**
- ☐ A. Withdrawing British forces from major towns to avoid further confrontation.
 - ☐ B. Allowing the Mughal emperor to govern Delhi under strict British supervision.
 - ☐ C. Negotiating a settlement that restored regional rulers to their former positions.
 - ☒ D. Recapturing key centres, enacting new laws, and offering rewards to loyal chiefs.

Q.67 Which Article authorises municipalities to perform Twelfth Schedule functions introduced through this Constitutional Amendment Act?

- Ans**
- ☐ A. Article 243-ZC
 - ☐ B. Article 243-P
 - ☒ C. Article 243-W
 - ☐ D. Article 243-Q

Q.68 During an experiment, iron nails are placed in copper sulphate solution, and a reddish-brown deposit forms on the nails. What does this observation demonstrate about the type of chemical reaction and the substances involved?

- Ans**
- ☒ A. A double displacement reaction forms iron sulphate and copper sulphate
 - ☒ B. A displacement reaction occurs, forming copper metal on the iron nails
 - ☒ C. A decomposition reaction occurs, breaking copper sulphate into SO_2 and copper
 - ☒ D. A combination reaction occurs, creating iron sulphate crystals

Q.69 Who received the Chief of Army Staff Commendation Card from General Upendra Dwivedi on October 7, 2025?

- Ans**
- ☒ A. Amitabh Bachchan
 - ☒ B. Mohanlal
 - ☒ C. Hrithik Roshan
 - ☒ D. Akshay Kumar

Q.70 Which of the following sectors includes activities like trade, transport, and communication in India?

- Ans**
- ☒ A. Tertiary
 - ☒ B. Primary
 - ☒ C. Secondary
 - ☒ D. Quinary

Section : General Intelligence and Reasoning

Q.71 What should come in place of '?' in the given series?
4 4 8 12 16 28 32 ?

- Ans**
- ☒ A. 68
 - ☒ B. 62
 - ☒ C. 64
 - ☒ D. 60

Q.72 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$1 \text{ D } 40 \text{ A } 7 \text{ B } 7 \text{ C } 46 = ?$$

- Ans**
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 5
 - ☒ D. 7

Q.73 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. NRT
 - ☒ B. JNP
 - ☒ C. SWY
 - ☒ D. QUO

Q.74 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. MKI
 - ☒ B. QOM
 - ☒ C. CBY
 - ☒ D. BZX

Q.75 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
OKH 41, GCZ 47, YUR 53, QMJ 59, ?

- Ans**
- ☒ A. IDA 64
 - ☒ B. IJL 64
 - ☒ C. IEB 65
 - ☒ D. IFA 65

Q.76 What should come in place of '?' in the given series?

10 19 36 58 88 123 ?

- Ans**
- ☒ A. 171
 - ☒ B. 169
 - ☒ C. 175
 - ☒ D. 166

Q.77 FACN is related to LFIS in a certain way based on the English alphabetical order. In the same way, DUAH is related to JZGM. To which of the following options is VJSW related, following the same logic?

- Ans**
- ☒ A. BOBY
 - ☒ B. BYOB
 - ☒ C. BOYB
 - ☒ D. BBOY

Q.78 If 'P' stands for 'x', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '=', what will come in place of the question mark '?' in the following equation?

(96 Q 12) P 5 S (42 Q 7) P 8 R 12 P 5 = ?

- Ans**
- ☒ A. 34
 - ☒ B. 20
 - ☒ C. 28
 - ☒ D. 48

Q.79 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
RTR 77 NPN 72 JIJ 67 FHF 62 ?

- Ans**
- ☒ A. BDB 57
 - ☒ B. BFK 56
 - ☒ C. BEA 57
 - ☒ D. BCA 56

Q.80 Raman ranked 25th from the top and 67th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 90
 - ☒ B. 93
 - ☒ C. 92
 - ☒ D. 91

Q.81 Which two numbers should be interchanged to make the given equation correct?

$$(21 \times 2) \div 3 + 15 \times 5 - 19 \times 4 + 36 \div 7 \times 6 = 57$$

- Ans**
- ☒ A. 2 and 4
 - ☒ B. 5 and 6
 - ☒ C. 36 and 21
 - ☒ D. 4 and 5

Q.82 Seven people A, B, C, D, E, F and G are sitting around a circular table facing towards the centre of the table. E sits second to the left of F. A is sitting immediately between B and C. D sits to the immediate right of C. Who is sitting immediately between E and F?

- Ans**
- ☒ A. B
 - ☒ B. D
 - ☒ C. G
 - ☒ D. C

Q.83 In a certain code language, 'SOAP' is coded as '5279' and 'ATOP' is coded as '4527'. What is the code for 'T' in the given code language?

- Ans**
- ☒ A. 5
 - ☒ B. 4
 - ☒ C. 7
 - ☒ D. 2

Q.84 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 9 3 1 2 6 8 4 5 3 9 7 2 4 5 1 8 2 3 5 9 8 5 7 3 5 6 (Right)
How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. One
 - ☒ B. None
 - ☒ C. More than two
 - ☒ D. Two

Q.85 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) U N E H W Y B X P E L Q R C G R U A Z R U (Right)

How many such vowels are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. None
 - ☒ D. One

Q.86 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.
MEGA - EAGM - AGEM
TONS - OSNT - SNOT

- Ans**
- ☒ A. WEAR - WAER - RAEW
 - ☒ B. POND - OPND - DONP
 - ☒ C. KITE - IETK - ETIK
 - ☒ D. LEGS - ELGS - SEGL

Q.87 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order.
N is kept fourth from the top. Only two boxes are kept between N and S. Only P is kept above M. O is kept immediately above S. Q is kept on one of the positions after M but on one of the positions before N.
Which box is kept third from the bottom?

Ans  A. Q
 B. R
 C. O
 D. S

Q.88 In a certain code language, 'SAFE' is coded as '3698' and 'FACE' is coded as '5398'.
What is the code for 'S' in the given code language?

Ans  A. 3
 B. 9
 C. 8
 D. 6

Q.89 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Cobalt is Silver. No Silver is Vanadium.

Conclusion I: No Vanadium is Cobalt.

Conclusion II: Some Vanadium is Cobalt.

Ans  A. Both conclusions (I) and (II) follow
 B. Only conclusion (I) follows
 C. Neither conclusion (I) nor (II) follows
 D. Only conclusion (II) follows

Q.90 Tanmay starts from Point Y and drives 23 km towards West. He then takes a right turn, drives 63 km, turns right and drives 31 km. He then takes a right turn and drives 27 km. He takes a right turn, drives 79 km. He then turns left, drives 36 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

Ans  A. 73 km towards west
 B. 75 km towards east
 C. 71 km towards west
 D. 71 km towards east

Q.91 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KE64, MC27, PZ8, ?

Ans  A. TW1
 B. SV1
 C. TV1
 D. TV8

Q.92 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(53, 47, 35)
(117, 111, 99)

Ans ☒ A. (212, 206, 194)

☐ B. (74, 68, 55)

☐ C. (33, 27, 14)

☐ D. (85, 76, 64)

Q.93 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some phones are irons. Some irons are vaults.

Conclusions (I) : No iron is a phone.

Conclusions (II) : Some phones are vaults.

Ans ☒ A. Neither conclusion (I) nor (II) follows

☐ B. Both conclusions (I) and (II) follow

☐ C. Only conclusion (I) follows

☐ D. Only conclusion (II) follows

Q.94 Seven boxes, G, H, I, J, K, L and M, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept between M and J. I is kept third from the top. Only M is kept between H and I. Only K is kept below J. G is kept at one of the positions below M but not immediately above J.

Which box is kept third from the bottom?

Ans ☐ A. H

☐ B. K

☐ C. G

☒ D. L

Q.95 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☐ A. ROS

☐ B. XUY

☐ C. NKO

☒ D. LJM

Q.96 SF 19 is related to VA 6 in a certain way. In the same way, GG 16 is related to JB 3. To which of the following is KL 2 related, following the same logic?

Ans ☐ A. JI -12

☐ B. KL -10

☒ C. NG -11

☐ D. HY -9

Q.97 Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north. Only two people sit to the left of N. Only three people sit between N and S. Only one person sits between S and E. I sits to the immediate left of L. U is not an immediate neighbor of S.
How many people sit to the right of T?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Two

Q.98 G is the father of Y. Y is the brother of J. M is the father of W. W is the son of J. How is M related to G?

- Ans**
- ☒ A. Daughter's husband
 - ☒ B. Father
 - ☒ C. Brother
 - ☒ D. Daughter's son

Q.99 Each letter in the word HARMFUL is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is first from the right in the new letter cluster thus formed?

- Ans**
- ☒ A. 15
 - ☒ B. 17
 - ☒ C. 14
 - ☒ D. 13

Q.100 In a certain code language,
A ? B means 'A is the wife of B',
A @ B means 'A is the mother of B',
A : B means 'A is the father of B' and
A + B means 'A is the daughter of B'.

How is M related to H if 'M + A @ R ? C : H'?

- Ans**
- ☒ A. Mother's brother
 - ☒ B. Mother's father
 - ☒ C. Mother's daughter
 - ☒ D. Mother's sister



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	18/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 The sum of two positive numbers is 26 and their product is 144. The positive difference between them is:

- Ans
- ☒ A. 5
 - ☒ B. 13
 - ☒ C. 10
 - ☒ D. 16

Q.2 The price of a laptop was initially \$1,200. During a sale, the price was first reduced by 20%, and then an additional discount of 15% was applied to the new price. What is the final price of the laptop?

- Ans
- ☒ A. \$780
 - ☒ B. \$816
 - ☒ C. \$899
 - ☒ D. \$799

Q.3 Three numbers are in the ratio 3 : 2 : 13, and their LCM is 2574. Their HCF is:

- Ans
- ☒ A. 23
 - ☒ B. 33
 - ☒ C. 43
 - ☒ D. 76

Q.4 A shopkeeper sells an article for ₹1,200 at a 20% profit. At what price (in ₹) should he sell the article to incur a loss of 10%?

- Ans
- ☒ A. ₹950
 - ☒ B. ₹875
 - ☒ C. ₹900
 - ☒ D. ₹980

Q.5 The L.C.M. of two numbers is 210 and their H.C.F. is 3. If the first number is divided by 3, the quotient is 7 and the remainder is 0. The second number is:

- Ans
- ☒ A. 25
 - ☒ B. 30
 - ☒ C. 60
 - ☒ D. 35

Q.6 Two taps can fill a cistern in 4 hours and 19 hours, respectively. A third tap can empty it in 19 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans**
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 4

Q.7 ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 21$ cm, $BC = 33$ cm, $DC = 11$ cm, and $AD = 52$ cm, then what is the length (in cm) of EF?

- Ans**
- ☒ A. 3
 - ☒ B. 4
 - ☒ C. 6
 - ☒ D. 5

Q.8 A solid cylinder of radius 35 cm and height 50 cm is melted and recast into smaller identical cylinders, each having radius 3.5 cm and height 15 cm. How many complete such smaller cylinders are formed?

- Ans**
- ☒ A. 121
 - ☒ B. 222
 - ☒ C. 333
 - ☒ D. 260

Q.9 Amit and Raghav invest in a business in the ratio 5 : 7. If the total profit is ₹48,000, what is Raghav's share?

- Ans**
- ☒ A. ₹26,000
 - ☒ B. ₹28,000
 - ☒ C. ₹30,000
 - ☒ D. ₹32,000

Q.10 A sum of money is invested at a simple interest rate of 8% per annum. After 3 years, the simple interest earned is ₹1,920. What is the principal invested?

- Ans**
- ☒ A. ₹8,000
 - ☒ B. ₹6,000
 - ☒ C. ₹7,500
 - ☒ D. ₹9,000

Q.11 A dishonest shopkeeper claims to sell 1 kg of rice at the cost price per kg. He actually uses a weight of 1200 g while purchasing rice, and a weight of 840 g while selling rice. What is the overall percentage profit made by the shopkeeper? (Round off the result to two decimal places.)

- Ans**
- ☒ A. 42.86%
 - ☒ B. 43.44%
 - ☒ C. 41.78%
 - ☒ D. 40.33%

Q.12 In an educational institute, the ratio of male students to female students is 4 : 3. The ratio of the same female students to teaching staff is 8 : 1. Find the ratio of total students (male + female) to teaching staff.

- Ans**
- ☒ A. 66 : 7
 - ☒ B. 27 : 1
 - ☒ C. 21 : 2
 - ☒ D. 56 : 3

Q.13 Three classes have 60, 40, and 50 students respectively. Their average marks are 65, 72, and 60. What is the average mark of all 150 students combined?

- Ans**
- ☐ A. 70
 - ☒ B. 65.2
 - ☐ C. 60
 - ☐ D. 67

Q.14 What is the mode of the following data?

53, 46, 55, 53, 40, 48, 53, 47, 41, 54, 43, 55, 54, 51, 43, 42, 44, 47

- Ans**
- ☐ A. 46
 - ☐ B. 48
 - ☒ C. 53
 - ☐ D. 55

Q.15 The difference between two numbers is 8. If twice the larger number is 4 more than three times the smaller number, what is the larger number?

- Ans**
- ☐ A. 18
 - ☐ B. 16
 - ☒ C. 20
 - ☐ D. 14

Q.16 The price of a book is increased from ₹200 to ₹220. What is the percentage increase in the price?

- Ans**
- ☐ A. 8%
 - ☒ B. 10%
 - ☐ C. 12%
 - ☐ D. 5%

Q.17 If $(3^{-22} + 3^{-19} + 3^{-17} + 3^{-16}) = k(3^{-24})$, then find the value of k.

- Ans**
- ☒ A. 9000
 - ☐ B. 900
 - ☐ C. 1000
 - ☐ D. 3000

Q.18 Two pipes, A and B, can fill a tank in 20 minutes and 30 minutes, respectively. A waste pipe C can empty it in 60 minutes. All three are opened together. After 10 minutes, pipe C is closed. How much total time will it take to fill the tank?

- Ans**
- ☒ A. 14 minutes
 - ☐ B. 15 minutes
 - ☐ C. 17 minutes
 - ☐ D. 12 minutes

Q.19 A train A passes a fixed pole in 24 seconds. The same train completely crosses another train B of length 150 m coming from the opposite direction in 20 seconds. Train B's speed is 54 km/h. Find the length and the speed of train A.

- Ans**
- ☐ A. 900 m and 134 km/h
 - ☐ B. 600 m and 135 km/h
 - ☐ C. 500 m and 135 km/h
 - ☒ D. 900 m and 135 km/h

Q.20 A pen is priced at ₹47. A scheme offers “Buy 4, Get 1 at 50% off”. What is the effective price per pen?

- Ans**
- ☒ A. ₹42.30
 - ☐ B. ₹40.30
 - ☐ C. ₹38.30
 - ☐ D. ₹39.30

Q.21 A cylindrical pipe has an external radius of 8 cm and an internal radius of 7 cm. If its length is 20 cm, what is the volume of material used in the pipe? (Use $\pi = 3.14$)

- Ans**
- ☐ A. 192 cubic cm
 - ☐ B. 201 cubic cm
 - ☐ C. 320 cubic cm
 - ☒ D. 942 cubic cm

Q.22 If x is the fourth proportional of 37, 25 and 888, what is the value of x?

- Ans**
- ☐ A. 400
 - ☐ B. 800
 - ☐ C. 500
 - ☒ D. 600

Q.23 A daily commuter usually reaches his office on time by driving at a speed of 40 km/hr. One day, due to traffic, he drives at 30 km/hr and reaches 20 minutes late. What is the distance to his office?

- Ans**
- ☒ A. 40 km
 - ☐ B. 60 km
 - ☐ C. 50 km
 - ☐ D. 30 km

Q.24 Which of the expressions given below has the same value as that of $\cos^2(\theta) + \sin^2(\theta)$?

- Ans**
- ☐ A. $1 + \tan^2(\theta) - (1 - \sec^2(\theta))$
 - ☐ B. $\operatorname{cosec}^2(\theta) + \sec^2(\theta)$
 - ☐ C. $\operatorname{cosec}^2(\theta) + \cot^2(\theta)$
 - ☒ D. $1 + \tan^2(\theta) + (1 - \sec^2(\theta))$

Q.25 What sum (in ₹) will earn a simple interest of ₹1,320 in 4 years at 12% per year rate of interest?

- Ans**
- ☐ A. 5,500
 - ☐ B. 633.6
 - ☐ C. 1,375
 - ☒ D. 2,750

Q.26 What least value must be given to n so that the number $5135n2$ becomes divisible by 9?

- Ans**
- ☐ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☒ D. 2

Q.27 Five years ago, Rahul was twice as old as his brother. If Rahul is 10 years older than his brother, what is Rahul's present age?

- Ans**
- ☐ A. 15 years
 - ☒ B. 25 years
 - ☐ C. 30 years
 - ☐ D. 20 years

Q.28 A person spends 75% of his income. If his income increases by 20% and his expenditure increases by 10%, what is the percentage change in his savings?

- Ans**
- ☒ A. 60% increase
 - ☒ B. 50% increase
 - ☒ C. 40% increase
 - ☒ D. 25% increase

Q.29 If $2^x - 2^{x-1} = 32$, then the value of $\frac{2x-1}{2x+3}$ is:

- Ans**
- ☒ A. $\frac{11}{14}$
 - ☒ B. $\frac{11}{15}$
 - ☒ C. $\frac{11}{12}$
 - ☒ D. $\frac{11}{13}$

Q.30 The 7-digit number 77A444B is divisible by 24. What is the maximum value of (A + B)?

- Ans**
- ☒ A. 13
 - ☒ B. 12
 - ☒ C. 15
 - ☒ D. 16

Section : General Awareness

Q.31 During group project file sharing in the CSE classroom, LAN connects which devices directly?

- Ans**
- ☒ A. Global internet servers across continents
 - ☒ B. Local computers within the same building
 - ☒ C. Printers connected via Bluetooth pairing
 - ☒ D. Satellite phones for remote areas only

Q.32 Which of the following traditions are the two major streams of Indian classical music?

- Ans**
- ☒ A. Tribal Folk and Bhakti
 - ☒ B. Carnatic and Rajasthani Folk
 - ☒ C. Hindustani and Western Classical
 - ☒ D. Hindustani and Carnatic

Q.33 Elections to Panchayats and Municipalities are managed by which body according to the Constitution?

- Ans**
- ☒ A. Lok Sabha Secretariat
 - ☒ B. District Magistrates
 - ☒ C. State Election Commissions
 - ☒ D. Central Election Commission

Q.34 The overall Labour Force Participation Rate (LFPR) for persons aged 15 years and above increased to what percentage in October 2025?

- Ans**
- ☒ A. 54.2%
 - ☒ B. 55.0%
 - ☒ C. 55.4%
 - ☒ D. 56.1%

Q.35 Which of the following shortcut keys opens File Explorer directly in MS Windows?

- Ans**
- ☐ A. Ctrl + E
 - ☐ B. Shift + E
 - ☒ C. Windows logo key + E
 - ☐ D. Alt + E

Q.36 In June 2025, which major summit was hosted for the first time by the Netherlands in The Hague (24–25 June)?

- Ans**
- ☐ A. EU-27 Summit
 - ☐ B. ASEAN Summit
 - ☐ C. G7 Summit
 - ☒ D. NATO Summit

Q.37 The phrase “internal disturbance” in the Emergency provisions of the Constitution of India was replaced with which term?

- Ans**
- ☐ A. Civil unrest
 - ☒ B. Armed rebellion
 - ☐ C. National instability
 - ☐ D. Internal security threat

Q.38 Who among the following introduced the system of branding of horses (dagh) and maintaining descriptive rolls of soldiers (chehra)?

- Ans**
- ☐ A. Muhammad bin Tughlaq
 - ☒ B. Alauddin Khalji
 - ☐ C. Iltutmish
 - ☐ D. Balban

Q.39 Which statement is True or False regarding a computer's characteristics?

- (i) Accuracy guarantees zero errors in output, even with flawed input.
(ii) No IQ means a computer cannot perform tasks without explicit instructions from the user or programmer.

- Ans**
- ☐ A. (i) False, (ii) False
 - ☐ B. (i) True, (ii) False
 - ☒ C. (i) False, (ii) True
 - ☐ D. (i) True, (ii) True

Q.40 Which of the following was NOT a key objective of the demonetisation initiative implemented in November 2016?

- Ans**
- ☒ A. Increasing reliance on cash transactions
 - ☐ B. Curbing corruption and black money
 - ☐ C. Promoting digital payments and a cashless economy
 - ☐ D. Reducing counterfeit currency and terror financing

Q.41 The quantity represented by the unit volt per ampere corresponds to which electrical unit?

- Ans**
- ☒ A. Ohm
 - ☐ B. Coulomb
 - ☐ C. Watt
 - ☐ D. Joule

Q.42 Metro trains in India are built and operated mainly in partnership with which Ministry of the Government of India?

- Ans**
- ☒ A. Ministry of Urban Development
 - ☐ B. Ministry of Civil Aviation
 - ☐ C. Ministry of Railways
 - ☐ D. Ministry of Road Transport

Q.43 Who is known for popularising the Santoor, an Indian classical instrument, globally?

- Ans**
- ☐ A. Pandit Ravi Shankar
 - ☐ B. Pandit Hariprasad Chaurasia
 - ☒ C. Pandit Shivkumar Sharma
 - ☐ D. Ustad Amjad Ali Khan

Q.44 Which organization is responsible for the development and regulation of navigation through rivers and canals in India?

- Ans**
- ☐ A. National Highway Authority of India
 - ☐ B. Shipping Corporation of India
 - ☐ C. Central Water Commission
 - ☒ D. Inland Waterways Authority of India

Q.45 Under the Fifth Schedule of the Indian Constitution, which States are excluded from the definition of State?

- Ans**
- ☐ A. Assam, Meghalaya, Tripura, Nagaland
 - ☐ B. Assam, Manipur, Meghalaya
 - ☒ C. Assam, Meghalaya, Tripura, Mizoram
 - ☐ D. Assam, Mizoram, Arunachal Pradesh, Sikkim

Q.46 How did the Rangarajan Group recommend updating the poverty line in the future?

- Ans**
- ☐ A. By removing the concept of poverty line altogether
 - ☒ B. By using the Fisher Index with data from NSSO
 - ☐ C. By relying on the National Accounts Statistics
 - ☐ D. By using a relative poverty measure compared to an absolute measure

Q.47 What demographic shift characterizes Brazil's transition since the 1980s?

- Ans**
- ☐ A. High births with low longevity
 - ☐ B. Rising urban mortality
 - ☒ C. Falling birth and death rates
 - ☐ D. Stable fertility with immigration

Q.48 The phenotype short in pea plants is expressed by which allele combination?

- Ans**
- ☐ A. TT
 - ☒ B. tt
 - ☐ C. tT
 - ☐ D. Tt

Q.49 Which of the following Amendments to the Constitution of India allows both the centre and states to levy the Goods and Services Tax (GST)?

- Ans**
- ☒ A. 101st Amendment, 2016
 - ☐ B. 67th Amendment, 1990
 - ☐ C. 74th Amendment, 1992
 - ☐ D. 80th Amendment, 2000

Q.50 How does the Vidhan Parishad elect its chairman?

- Ans**
- ☐ A. Appointed by the President
 - ☒ B. Elected by members of the Vidhan Parishad
 - ☐ C. Elected by members of the Lok Sabha
 - ☐ D. Nominated by the Governor

Q.51 Which factor led to the Mysore rebellion of 1830–31 against the restored Wodeyar administration?

- Ans**
- ☐ A. Protectionist policies designed to shield peasants from levies.
 - ☐ B. Expansion of irrigation that reduced the cost of agricultural dues.
 - ☐ C. Reduction in policing that strengthened the power of local chiefs.
 - ☒ D. Increased revenue pressure that ultimately burdened cultivators.

Q.52 Oxidation in a redox reaction involves which of the following?

- Ans**
- ☐ A. Electrons gained
 - ☒ B. Electrons lost
 - ☐ C. Protons gained
 - ☐ D. Protons lost

Q.53 Which of the following factors does NOT promote globalisation?

- Ans**
- ☒ A. Subsidies and protectionism in domestic markets
 - ☐ B. Privatization of state-owned enterprises
 - ☐ C. Foreign Direct Investment (FDI)
 - ☐ D. Removal of trade barriers

Q.54 Which of the following statements is true regarding the Marine West Coast Climate (Cfb) as per Koeppen's scheme of classification of climate?

- Ans**
- ☐ A. It has a pronounced dry season in summer.
 - ☐ B. It is found in the interiors of continents far from the coast.
 - ☒ C. It experiences small daily and annual temperature ranges due to oceanic influence.
 - ☐ D. It receives less than 20 cm of rainfall annually.

Q.55 Which of the following does NOT influence the horizontal distribution of air pressure?

- Ans**
- ☐ A. Presence of water vapour
 - ☒ B. Ocean salinity
 - ☐ C. Air temperature
 - ☐ D. Earth's rotation

Q.56 A user wants to quickly access a folder named Reports which is frequently used, but it is deeply nested within the following path:

C:\Users\Public\Documents\Projects\2020_Q2\Reports. Which feature of the Windows File Explorer offers the most efficient way to create a one-click shortcut to this folder within the file explorer window itself?

- Ans**
- ☐ A. Pinning the folder to the Start Menu
 - ☐ B. Creating a new library and including the folder
 - ☐ C. Mapping the folder as a new Network Drive
 - ☒ D. Adding the folder to the Quick Access section

Q.57 Which of the following was a unique feature of Arya Samaj meetings, as seen during Dayanand Saraswati's time?

- Ans**
- ☒ A. They involved animal sacrifices
 - ☒ B. Women participated equally
 - ☒ C. Only Brahmins could attend
 - ☒ D. They were held only in temples

Q.58 What factors have caused the number of Rajya Sabha seats assigned to States and Union Territories to fluctuate since 1952?

- Ans**
- ☒ A. Reorganization and formation of new States
 - ☒ B. Decisions of the Supreme Court
 - ☒ C. Economic reforms
 - ☒ D. Change in the President's powers

Q.59 How do antacids reduce pain during indigestion?

- Ans**
- ☒ A. Neutralising excess stomach acid
 - ☒ B. Reducing food intake
 - ☒ C. Thickening stomach walls
 - ☒ D. Increasing acid production

Q.60 The Rigveda, the oldest of the Vedas, mainly consists of which of the following?

- Ans**
- ☒ A. Ritual manuals
 - ☒ B. Epic narratives
 - ☒ C. Philosophical essays
 - ☒ D. Hymns

Q.61 Which of the following texts is considered the earliest Vedic composition depicting the life of early Vedic people?

- Ans**
- ☒ A. Samaveda
 - ☒ B. Atharvaveda
 - ☒ C. Rigveda
 - ☒ D. Yajurveda

Q.62 Annalena Baerbock, who served as the President of the 80th session of the UN General Assembly in 2025, belongs to which country?

- Ans**
- ☒ A. Czech Republic
 - ☒ B. Denmark
 - ☒ C. Germany
 - ☒ D. Austria

Q.63 What was the theme of World Environmental Health Day 2025 observed on 26 September 2025?

- Ans**
- ☒ A. Clean Air, Healthy People
 - ☒ B. Plastic-Free Future
 - ☒ C. Protecting Our Planet
 - ☒ D. Water for All

Q.64 In August 2025, which mission did PM Modi announce to stop enemy defence infiltrations and boost India's attack strength?

- Ans**
- ☒ A. Sudarshan Chakra Mission
 - ☒ B. Project Kusha
 - ☒ C. Agni-V Shield Mission
 - ☒ D. Mission Trishul

Q.65 India has secured which rank in the Asia Power Index 2025?

- Ans**
- ☐ A. First
 - ☐ B. Fourth
 - ☒ C. Third
 - ☐ D. Second

Q.66 Which of the following coastal plains contains irregular, indented coastlines with natural harbours?

- Ans**
- ☒ A. Konkan Region
 - ☐ B. East Coastal Plain
 - ☐ C. Kathiawar Plain
 - ☐ D. Rann of Kutch

Q.67 The Paika Rebellion (1817), considered one of the earliest anti-colonial uprisings, took place in which region?

- Ans**
- ☐ A. Bengal
 - ☐ B. Assam
 - ☒ C. Odisha
 - ☐ D. Maharashtra

Q.68 India's fourth Asia Cup win in men's hockey (2025) ended a drought of how many years?

- Ans**
- ☐ A. 12 years
 - ☐ B. 10 years
 - ☒ C. 8 years
 - ☐ D. 5 years

Q.69 What is the title of the book, released in April 2025 in New Delhi, that compiles Prime Minister Narendra Modi's speeches on culture?

- Ans**
- ☐ A. Sanskriti Ke Shilpkar
 - ☐ B. Modi on Culture and Heritage
 - ☐ C. Bharat Ki Sanskritik Yatra
 - ☒ D. Sanskriti Ka Panchva Adhyay

Q.70 Which of the following was a characteristic feature of Harappan street planning?

- Ans**
- ☐ A. Narrow zig-zag streets designed to control traffic flow
 - ☐ B. Broad circular roads radiating out from a central square
 - ☒ C. Streets intersecting at right angles forming a criss-cross pattern
 - ☐ D. Elevated stone causeways replacing ordinary streets

Section : **General Intelligence and Reasoning**

Q.71 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. PNN
 - ☐ B. KHI
 - ☐ C. ZWX
 - ☐ D. FCD

Q.72 Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only two people sit between H and Q. Only H sits to the right of G. Only three people sit between G and F. L sits at some place to the left of O, but at some place to the right of M. How many people sit between M and O?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. One

Q.73 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VXW-UWV
WYX-VXW

- Ans**
- ☒ A. BDC-ACB
 - ☒ B. BCA-ACB
 - ☒ C. BDC-ZCA
 - ☒ D. BCA-ZBA

Q.74 In a certain code language, 'salt elbow care' is coded as 'zh pv nf' and 'night care jar' is coded as 'ab po zh'. How is 'care' coded in the given language?

- Ans**
- ☒ A. zh
 - ☒ B. ab
 - ☒ C. nf
 - ☒ D. pv

Q.75 Each of the digits in the number 73912685 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. None
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.76 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$39 - 15 \div 3 + 124 \times 4 = ?$$

- Ans**
- ☒ A. 59
 - ☒ B. 52
 - ☒ C. 53
 - ☒ D. 50

Q.77 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. D is kept third from the bottom. C is kept above A but below D. Only two boxes are kept between G and F. E is kept above F but below B. How many boxes are kept between E and D?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. None

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 12, 37)
(25, 15, 50)

- Ans**
- ☒ A. (2, 8, 20)
 - ☐ B. (23, 5, 40)
 - ☐ C. (24, 10, 40)
 - ☐ D. (18, 17, 42)

Q.79 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only G is kept above E. Only C is kept between E and A. Only F is kept below B. How many boxes are kept between C and F?

- Ans**
- ☐ A. 4
 - ☒ B. 3
 - ☐ C. 1
 - ☐ D. 2

Q.80 What should come in place of '?' in the given series based on the English alphabetical order?
BMS EPV HSY KVB ?

- Ans**
- ☐ A. NYD
 - ☒ B. NYE
 - ☐ C. OYE
 - ☐ D. NXE

Q.81 What should come in place of the '?' in the given series?

51 78 132 213 321 ?

- Ans**
- ☒ A. 456
 - ☐ B. 462
 - ☐ C. 448
 - ☐ D. 450

Q.82 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GCH 10, DZE 21, AWB 32, XTY 43, ?

- Ans**
- ☐ A. UQB 56
 - ☒ B. UQV 54
 - ☐ C. KPT 56
 - ☐ D. LFY 58

Q.83 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between G and B. Only D is kept above C. No box is kept below B. F is kept at some place below A but at some place above E. How many boxes are kept between D and E?

- Ans**
- ☐ A. 2
 - ☐ B. 1
 - ☒ C. 4
 - ☐ D. 3

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. PS - OR
 - ☒ B. FI - EH
 - ☒ C. KN - JL
 - ☒ D. LO - KN

Q.85 Mr. Yorly starts from Point A and drives 29 km towards East. He then takes a right turn, drives 16 km, turns right and drives 39 km. He then takes a right turn and drives 9 km. He then takes a right turn, drives 6 km, turns left and drives 3 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ A. 7 km to the West
 - ☒ B. 6 km to the South
 - ☒ C. 4 km to the North
 - ☒ D. 8 km to the East

Q.86 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 5 4 3 1 6 8 8 1 5 7 7 7 4 1 6 2 7 9 1 3 9 7 7 3 9 2 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☒ A. 4
 - ☒ B. 2
 - ☒ C. 5
 - ☒ D. 3

Q.87 DIOR is related to AEJL in a certain way based on the English alphabetical order. In the same way, RSUT is related to OOPN. To which of the following options is IGFB related, following the same logic?

- Ans**
- ☒ A. FCAV
 - ☒ B. FCVA
 - ☒ C. FVCA
 - ☒ D. FAVC

Q.88 A, B, D, J, O, T and Z are sitting around a circular table facing the center. Only four people sit between B and D when counted from the right of B. O and T are immediate neighbors of J. Exactly four people sit between A and Z when counted from the left of A. Z is not an immediate neighbor of O or D. How many people sit between D and Z when counted from the left of D?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. Two

Q.89 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LJL MKM NLN OMO ?

- Ans**
- ☒ A. PQS
 - ☒ B. POO
 - ☒ C. PNP
 - ☒ D. PMO

Q.90 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some doors are petals. Some flowers are petals.

Conclusion (I): Some flowers are doors.

Conclusion (II): All petals are flowers.

- Ans**
- ☒ A. Only conclusion (I) follows
 - ☒ B. Both conclusions (I) and (II) follow
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (II) follows

Q.91 In a certain code language,

$A + B$ means 'A is the sister of B',

$A - B$ means 'A is the brother of B',

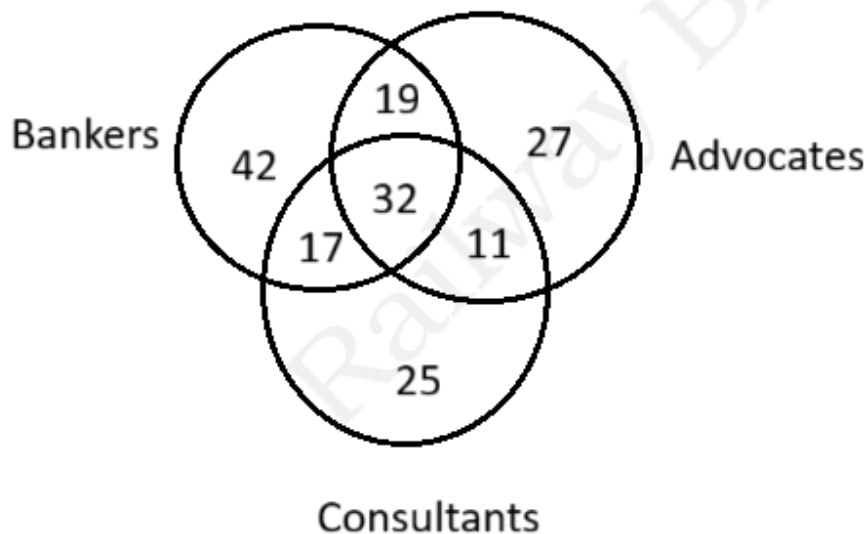
$A \times B$ means 'A is the father of B' and

$A \div B$ means 'A is the mother of B'.

Based on the above, how is M related to R if ' $M \times N \div O - P + Q - R$ '?

- Ans**
- ☒ A. Father's father
 - ☒ B. Brother
 - ☒ C. Father
 - ☒ D. Mother's father

Q.92 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)
How many such Consultants are there who are Bankers as well as Advocates?



- Ans**
- ☒ A. 25
 - ☒ B. 32
 - ☒ C. 17
 - ☒ D. 11

Q.93 In a certain code language, 'FISH' is coded as '1963' and 'HITS' is coded as '6983'. What is the code for 'T' in the given code language?

- Ans**
- ☒ A. 8
 - ☒ B. 9
 - ☒ C. 6
 - ☒ D. 3

Q.94 What should come in place of '?' in the given series?
211, 219, 235, 259, 291, ?

- Ans**
- ☒ A. 341
 - ☒ B. 331
 - ☒ C. 321
 - ☒ D. 330

Q.95 Refer to the following letter series and answer the question. (Counting to be done from left to right only.)
(Left) I G I H C Y A O Z L K E P D J C O P T I R G (Right)
How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- Ans**
- ☒ A. 3
 - ☒ B. 5
 - ☒ C. 4
 - ☒ D. 6

Q.96 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?
220 C 56 A 14 D 17 B 12 =?

- Ans**
- ☒ A. 24
 - ☒ B. 36
 - ☒ C. 30
 - ☒ D. 20

Q.97 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
NPS : KMP
DOQ : ALN

- Ans**
- ☒ A. SEL : OAI
 - ☒ B. EHL : CFI
 - ☒ C. HDP : EAM
 - ☒ D. DHG : BEC

Q.98 Refer to the given series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 8 7 1 9 3 4 1 2 3 7 5 7 7 8 5 6 6 1 6 3 7 3 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans**
- ☒ A. One
 - ☒ B. None
 - ☒ C. Three
 - ☒ D. Two

Q.99 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. NV – JR
 - ☒ B. GT – CP
 - ☒ C. HL – FD
 - ☒ D. QF – MB

Q.100 In a certain code language,
A = B means 'A is the son of B',
A \$ B means 'A is the sister of B',
A @ B means 'A is the wife of B' and
A * B means 'A is the father of B'.

How is W related to G if 'W = F \$ K @ L * G'?

- Ans
- ☐ A. Mother's brother's son
 - ☐ B. Sister's son
 - ☒ C. Mother's sister's son
 - ☐ D. Father's sister's son



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	18/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1

Simplify: $\left(\frac{16}{21}\right) \div \left(\frac{4}{5} \times \frac{10}{12} + \frac{4}{7}\right) + \frac{4}{8} \div \frac{26}{14}$ of $\frac{14}{8}$

Ans

- ✓ A. $\frac{4}{13}$
 ✗ B. $\frac{1}{15}$
 ✗ C. $\frac{7}{23}$
 ✗ D. $\frac{2}{5}$

Q.2

In quadrilateral PQRS, $\angle P = 2\angle Q$, $\angle Q = \frac{\angle R}{4}$, $\angle R = 2\angle S$. Find the value of $\angle S$.

Ans

- ✗ A. 60°
 ✗ B. 85°
 ✓ C. 80°
 ✗ D. 45°

Q.3

The value of $\left(2 + \frac{3}{2}\right)^2 - \left[4 - \left(\frac{6}{3}\right)^2\right] \div \frac{1}{2}$ is

Ans

- ✗ A. $\frac{7}{4}$
 ✓ B. $\frac{49}{2}$
 ✗ C. $\frac{49}{4}$
 ✗ D. $\frac{7}{2}$

Q.4 A car travels 560 km in 9.5 hours, partly at 40 km/h and partly at 160 km/h. Find the distance travelled at 160 km/h.

- Ans**
- ☐ A. 216 km
 - ☒ B. 240 km
 - ☐ C. 230 km
 - ☐ D. 260 km

Q.5 Two banks, A and B, offered loans at 3.5% and 6.5% per annum, respectively. Ashish borrowed an amount of ₹3,40,000 from each bank. Find the positive difference between the amounts of simple interest (in ₹) paid to the two banks by Ashish after 2 years.

- Ans**
- ☐ A. 21,900
 - ☐ B. 19,900
 - ☒ C. 20,400
 - ☐ D. 21,400

Q.6 Three positive numbers are in proportion such that the ratio of the first number to the second number is the same as the ratio of the second number to the third number. If the first number is 16 and the second number is 24, find the value of the third number.

- Ans**
- ☐ A. 64
 - ☐ B. 32
 - ☒ C. 36
 - ☐ D. 48

Q.7 The price of an article is increased by 20%. In the next step, it is decreased by x% of the new price. Finally, the price is increased by 10% of the original price. If the final price becomes exactly equal to the original price, the value of x is:

- Ans**
- ☐ A. 22.75
 - ☐ B. 12.25
 - ☒ C. 25
 - ☐ D. 17.5

Q.8 A four-digit number 3P2Q is divisible by both 2 and 3. Find the smallest value of P + Q.

- Ans**
- ☐ A. 4
 - ☐ B. 7
 - ☐ C. 2
 - ☒ D. 1

Q.9 If the mean proportional between x and 36 is 12, find x.

- Ans**
- ☐ A. 7
 - ☐ B. 5
 - ☒ C. 4
 - ☐ D. 6

Q.10 The price of an article is first increased by 20% and then decreased by 20%. If the original price of the article is ₹500, what is the net percentage change in the price?

- Ans**
- ☐ A. 2% increase
 - ☐ B. No change
 - ☒ C. 4% decrease
 - ☐ D. 5% decrease

Q.11 A man bought an article and sold it at a profit of 15%. If he had bought it at 25% less cost price and sold it for ₹294 less than the original selling price, he would have made a profit of 30%. Find the cost price of the article.

- Ans**
- ☐ A. ₹1,630
 - ☐ B. ₹1,540
 - ☐ C. ₹1,590
 - ☒ D. ₹1,680

Q.12 A bus travels 90 km at 45 km/h, 120 km at 60 km/h, and 150 km at 75 km/h. What is the average speed of the bus for the entire journey?

- Ans**
- ☐ A. 66 km/h
 - ☐ B. 70 km/h
 - ☐ C. 55 km/h
 - ☒ D. 60 km/h

Q.13 Pipes A and B can fill a tank in 12 hours and 15 hours, respectively. A third pipe C can empty the full tank in 20 hours. If A and B are opened together for 2 hours and then C is also opened, what is the total time taken to fill the tank?

- Ans**
- ☐ A. 10 hours
 - ☐ B. 8 hours
 - ☐ C. 9.5 hours
 - ☒ D. 9 hours

Q.14 Arun sold an article for ₹1,786.40 and incurred a loss of 12%. At what price should he sell the article to earn a profit of 14%?

- Ans**
- ☐ A. ₹2,268.70
 - ☐ B. ₹2,112.20
 - ☐ C. ₹2,485.70
 - ☒ D. ₹2,314.20

Q.15 Two taps can fill a cistern in 4 hours and 8 hours, respectively. A third tap can empty it in 8 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans**
- ☒ A. 1
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 3

Q.16 The cost of 5 chairs and 3 tables is ₹12,500, while the cost of 3 chairs and 5 tables is ₹15,500. Find the cost of 2 chairs and 2 tables.

- Ans**
- ☒ A. ₹7,000
 - ☐ B. ₹6,000
 - ☐ C. ₹6,500
 - ☐ D. ₹7,500

Q.17 Sixteen identical solid cubes, each of side 2 cm, are melted and recast into a cuboid whose length is twice its breadth and height equals its breadth. Find the volume of the cuboid.

- Ans**
- ☐ A. 64 cm^3
 - ☒ B. 128 cm^3
 - ☐ C. 96 cm^3
 - ☐ D. 100 cm^3

Q.18 The combined present age of P and Q is 46 years. 2 years ago from now, P was twice as old as Q. What is the present age of P?

- Ans**
- ☒ A. 16 years
 - ☒ B. 30 years
 - ☒ C. 20 years
 - ☒ D. 28 years

Q.19 The sides of two square gardens are 16 m and 25 m, respectively. A third square garden is to be constructed such that the length of its side is the mean proportional between the sides of the given two gardens. What will be the length of the side of the new square garden?

- Ans**
- ☒ A. 18 m
 - ☒ B. 21 m
 - ☒ C. 19 m
 - ☒ D. 20 m

Q.20 A specialized printing machine can print 2400 pages in 1 hour and 20 minutes. At this steady rate, how many pages can the machine print in 45 minutes?

- Ans**
- ☒ A. 1500
 - ☒ B. 1350
 - ☒ C. 1250
 - ☒ D. 1450

Q.21 Three numbers are in the ratio 9 : 7 : 5, and their LCM is 2205. Their HCF is:

- Ans**
- ☒ A. 7
 - ☒ B. 29
 - ☒ C. 34
 - ☒ D. 24

Q.22 Simplify: $55\frac{1}{8} + 55\frac{3}{8} + 55\frac{5}{8} + 55\frac{7}{8}$

- Ans**
- ☒ A. 224
 - ☒ B. 222
 - ☒ C. 226
 - ☒ D. 220

Q.23 The sum of two positive numbers is 32 and their product is 220. The positive difference between them is:

- Ans**
- ☒ A. 17
 - ☒ B. 12
 - ☒ C. 16
 - ☒ D. 11

Q.24 What sum (in ₹) will earn a simple interest of ₹1,440 in 2 years at 16% per year rate of interest?

- Ans**
- ☒ A. 460.8
 - ☒ B. 2,250
 - ☒ C. 4,500
 - ☒ D. 9,000

Q.25 If the mean of the following data is 40, find the missing frequency.

x	10	20	30	40	50	60
frequency	2	3	1	4	f	4

- Ans
- ☒ A. 1
 - ☒ B. 7
 - ☒ C. 5
 - ☒ D. 4

Q.26 A person standing on level ground looks up at the top of a vertical tower. The angle of elevation formed at the observer's eye is 60° . If the tower is 18 m high, determine the horizontal distance (in meters) between the person and the base of the tower.

- Ans
- ☒ A. $6\sqrt{3}$
 - ☒ B. $7\sqrt{3}$
 - ☒ C. $5\sqrt{3}$
 - ☒ D. $4\sqrt{3}$

Q.27 Find the sum of the surface areas of three spheres of radii 2 cm, 3 cm and 6 cm.

(Take $\pi = \frac{22}{7}$)

- Ans
- ☒ A. 616 cm^2
 - ☒ B. 620 cm^2
 - ☒ C. 608 cm^2
 - ☒ D. 612 cm^2

Q.28 A shopkeeper offers the following schemes on toys of the same marked price.

- (A) Successive discounts of 24% and 33% on any number of toys bought.
- (B) Successive discounts of 39%, 37% and 23% on any number of toys bought.
- (C) 24% discount on the first 2 toys and 12% discount on each toy thereon.
- (D) 2 toys free of cost on buying 5 toys.

A customer wants to buy 5 toys. Which of the above schemes is the least beneficial to her?

- Ans
- ☒ A. A
 - ☒ B. C
 - ☒ C. B
 - ☒ D. D

Q.29 An article is marked at ₹3,000. The shopkeeper offers successive discounts of 10% and 20%. What is the final selling price of the article?

- Ans
- ☒ A. ₹2,250
 - ☒ B. ₹2,100
 - ☒ C. ₹2,200
 - ☒ D. ₹2,160

Q.30 Find the mode for the following distribution.

CL	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-
Frequency	4	4	13	5	6	5	2	1

- Ans
- ☒ A. 54.60
 - ☒ B. 51.34
 - ☒ C. 52.65
 - ☒ D. 48.57

Q.31 Which of the following swimmers won gold in the 200 m breaststroke at the 2025 World Aquatics Championships, setting a championship record and an American record?

- Ans**
- ☐ A. Evgeniia Chikunova
 - ☐ B. Claire Curzan
 - ☐ C. Torri Huske
 - ☒ D. Kate Douglass

Q.32 The President of India can make regulations for peace, progress, and good governance of which Union Territories without Legislative Assemblies?

- Ans**
- ☐ A. Puducherry and Delhi
 - ☐ B. Chandigarh and Puducherry
 - ☒ C. Andaman & Nicobar Islands, Lakshadweep, Dadra & Nagar Haveli and Daman & Diu
 - ☐ D. Jammu & Kashmir and Ladakh

Q.33 Children of Indian citizens born abroad become Indian citizens by descent only if the birth is registered at an Indian consulate within what time period?

- Ans**
- ☐ A. Six months
 - ☒ B. One year
 - ☐ C. Three years
 - ☐ D. Four years

Q.34 A user wants to quickly pause work and resume in few minutes without waiting for the computer to reboot. The best option is:

- Ans**
- ☐ A. Complete shutdown
 - ☒ B. Sleep mode
 - ☐ C. Reinstall OS
 - ☐ D. Format disk

Q.35 Which of the following portrays the movement led by Baba Ramchandra?

- Ans**
- ☐ A. A workers' strike in factories
 - ☐ B. A religious reform movement
 - ☒ C. A rural uprising against exploitative landlords
 - ☐ D. A protest against British education policy

Q.36 According to the research study by the State Bank of India (SBI) in 2024, what is the level of poverty in India?

- Ans**
- ☐ A. above 5% and below 10%
 - ☒ B. below 5%
 - ☐ C. above 15%
 - ☐ D. less than 18% but more than 10%

Q.37 Which of the following is an example of biomagnification in a food chain?

- Ans**
- ☐ A. Increased nitrate levels causing algal blooms
 - ☐ B. Evaporation of pesticides from water bodies into the air
 - ☐ C. Rapid sedimentation of silt at the river bottom
 - ☒ D. Rising concentration of DDT from water to algae to fish to birds

Q.38 The Kuki Rebellion (1917–19) took place in which region?

- Ans**
- ☐ A. Assam
 - ☐ B. Tripura
 - ☒ C. Manipur
 - ☐ D. Nagaland

Q.39 Which of the following statements is INCORRECT regarding organic farming?

- Ans**
- ☐ A. Organic farming does not use synthetic chemicals.
 - ☐ B. Organic farming is beneficial for soil biota.
 - ☐ C. Organic farming is environment-friendly.
 - ☒ D. Organic farming relies heavily on high technology.

Q.40 Which of the following strategies is crucial for fostering infrastructure development in developing countries?

- Ans**
- ☐ A. Sole reliance on government funding
 - ☐ B. Restricting foreign investment
 - ☒ C. Promotion of public-private partnerships
 - ☐ D. Focusing only on urban areas

Q.41 Under whose chairmanship was a 12-member drafting committee recently constituted to frame a law under the High Seas Treaty 'BBNJ'?

- Ans**
- ☐ A. Ramesh Pokhriyal
 - ☒ B. Sanjay Upadhyay
 - ☐ C. Nitin Gadkari
 - ☐ D. Ravi Shankar Prasad

Q.42 Which language is known for its unique script called "Gurmukhi"?

- Ans**
- ☐ A. Hindi
 - ☐ B. Bengali
 - ☒ C. Punjabi
 - ☐ D. Urdu

Q.43 Article 371A of the Constitution of India states 'privilege of special status was also accorded to the North-Eastern State of Nagaland'. This represents which federalism?

- Ans**
- ☐ A. Competitive federalism
 - ☒ B. Asymmetric federalism
 - ☐ C. Centralised federalism
 - ☐ D. Bargaining federalism

Q.44 The Cholas came to power after overthrowing the authority of which of the following dynasties in South India?

- Ans**
- ☒ A. Pallavas
 - ☐ B. Chera
 - ☐ C. Rashtrakuta
 - ☐ D. Satavahana

Q.45 Which action does pressing the F5 key usually perform in Windows?

- Ans**
- ☒ A. Refreshes the current window or page
 - ☐ B. Navigates to the next tab
 - ☐ C. Opens a new window
 - ☐ D. Opens help

Q.46 On 3 November 2025, which state government started the Chief Minister Jibon Prerana Scheme?

- Ans**
- ☐ A. Odisha
 - ☐ B. Manipur
 - ☐ C. Sikkim
 - ☒ D. Assam

Q.47 Which award is presented to the women's singles champion at the Wimbledon Tennis Championships?

- Ans**
- ☐ A. Suzanne Lenglen Trophy
 - ☐ B. Borg-McEnroe Trophy
 - ☒ C. Venus Rosewater Dish
 - ☐ D. Arthur Ashe Trophy

Q.48 Which substance would you use to test if lemon juice contains acid?

- Ans**
- ☐ A. Water
 - ☒ B. Litmus paper
 - ☐ C. Baking soda
 - ☐ D. Sugar

Q.49 In Harappan Civilization, at Dholavira, _____ was/were used to build massive fortifications.

- Ans**
- ☐ A. wood
 - ☐ B. granite
 - ☒ C. stone
 - ☐ D. bricks

Q.50 According to the Equirus Capital report on India's Green Building Market, India's green building sector is projected to grow at a CAGR of 10.5% and reach an estimated size of \$85 billion by which year?

- Ans**
- ☒ A. 2032
 - ☐ B. 2033
 - ☐ C. 2031
 - ☐ D. 2030

Q.51 Which organisation's leaders gathered in Tianjin for a summit in late August–early September, 2025?

- Ans**
- ☒ A. Shanghai Cooperation Organization (SCO)
 - ☐ B. Group of Twenty (G20)
 - ☐ C. Commonwealth (CW)
 - ☐ D. Association of Southeast Asian Nations (ASEAN)

Q.52 Which of these is **NOT** an example of fundamental quantity?

- Ans**
- ☐ A. Time
 - ☒ B. Velocity
 - ☐ C. Electric Current
 - ☐ D. Luminous Intensity

Q.53 Which of the following is the largest multipurpose river valley project in India?

- Ans**
- ☐ A. Sardar Sarovar
 - ☒ B. Bhakra Nangal
 - ☐ C. Damodar Valley
 - ☐ D. Hirakud

Q.54 RAM and ROM belong to which broader category?

- Ans**
- ☐ A. Processing units
 - ☐ B. Input devices
 - ☒ C. Primary memory
 - ☐ D. Output devices

Q.55 You can often hear a person speaking from behind a tall fence even if you cannot see them. Which property of sound waves explains this phenomenon?

- Ans**
- ☐ A. Reflection
 - ☒ B. Diffraction
 - ☐ C. Polarization
 - ☐ D. Refraction

Q.56 Which of the following rivers is primarily responsible for the formation of badland topography in India?

- Ans**
- ☐ A. Ganga
 - ☐ B. Yamuna
 - ☐ C. Brahmaputra
 - ☒ D. Chambal

Q.57 Which Indian state has the Konkan Coast along its western shoreline?

- Ans**
- ☒ A. Maharashtra
 - ☐ B. Odisha
 - ☐ C. Kerala
 - ☐ D. Karnataka

Q.58 In India, the concept of judicial activism, as reflected through innovative interpretations of the Constitution and expansion of the scope of judicial review, was introduced during which of the following periods?

- Ans**
- ☒ A. Mid-1970s
 - ☐ B. Mid-1980s
 - ☐ C. Mid-1960s
 - ☐ D. Mid-1990s

Q.59 The Pallava temples at Mahabalipuram are made mainly from:

- Ans**
- ☐ A. Laterite
 - ☐ B. Sandstone alone
 - ☐ C. Marble
 - ☒ D. Granite

Q.60 Which of the following geographical factors most directly influences the location and growth of human settlements?

- Ans**
- ☐ A. Distance from the equator
 - ☐ B. Color of local soil
 - ☒ C. Availability of fresh water
 - ☐ D. Shape of nearby hills

Q.61 Which of the following is a non-point source of water pollution?

- Ans**
- ☐ A. Industrial discharge pipe
 - ☐ B. Urban stormwater drain
 - ☐ C. Sewage outlet
 - ☒ D. Agricultural runoff

Q.62 Who led the Portuguese expedition that first landed in Calicut, India, in 1498?

- Ans**
- ☒ A. Vasco da Gama
 - ☐ B. Pedro Álvares Cabral
 - ☐ C. Alfonso de Albuquerque
 - ☐ D. Bartholomew Diaz

Q.63 Which Acts are being amended to allow private sector participation in India's nuclear energy sector?

- Ans**
- ✓ A. Atomic Energy Act, 1962 & CLND Act, 2010
 - ✗ B. Atomic Energy Act, 1962 & Energy Conservation Act, 2001
 - ✗ C. Electricity Act, 2003 & Atomic Energy Act, 1962
 - ✗ D. Electricity Act, 2003 & CLND Act, 2010

Q.64 After defeating the Shakas and annexing their territories in western India, which Gupta ruler assumed the imperial title "Vikramaditya" to mark his supremacy?

- Ans**
- ✗ A. Kumaragupta I
 - ✗ B. Skandagupta
 - ✗ C. Samudragupta
 - ✓ D. Chandragupta II

Q.65 The Committee on Government Assurances primarily deals with _____ .

- Ans**
- ✓ A. Promises and undertakings made by Ministers in Parliament
 - ✗ B. Monitoring of government expenditure in Parliament
 - ✗ C. Examining Rules under Article 312
 - ✗ D. Policy review of public enterprises

Q.66 World Toilet Day was observed on which date in 2025?

- Ans**
- ✗ A. 9 October
 - ✗ B. 19 October
 - ✗ C. 9 November
 - ✓ D. 19 November

Q.67 Which Article of the Indian Constitution directs the State to protect and improve the environment?

- Ans**
- ✗ A. Article 37A
 - ✗ B. Article 43A
 - ✗ C. Article 39A
 - ✓ D. Article 48A

Q.68 Which of the following countries participated in the 3rd edition of the Joint Special Forces Exercise 'CYCLONE' at Mahajan Field Firing Ranges in Rajasthan from 10th to 23rd February 2025?

- Ans**
- ✓ A. India and Egypt
 - ✗ B. India and Namibia
 - ✗ C. India and China
 - ✗ D. India and Iran

Q.69 When a program in Windows appears as "Not Responding" and the user ends it using Task Manager, which action is effectively being requested from the operating system?

- Ans**
- ✗ A. Convert the program into a service
 - ✗ B. Change the program's file type
 - ✗ C. Move the program to another drive
 - ✓ D. Force the process to terminate and release its resources

Q.70 When moving down a group in the Modern Periodic Table, what happens to the number of valence electrons?

- Ans**
- ☒ A. Remains the same
 - ☐ B. Increases by two
 - ☐ C. Decreases by one
 - ☐ D. Increases by one

Section : General Intelligence and Reasoning

Q.71 In a row of 38 people facing the north, Keerthi is 13th from the right end. If Tanvi sits 7th to the left of Keerthi, what is Tanvi's position from the left end of the row?

- Ans**
- ☒ A. 19th
 - ☐ B. 20th
 - ☐ C. 17th
 - ☐ D. 18th

Q.72 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. CDB
 - ☐ B. GHE
 - ☐ C. LMJ
 - ☐ D. STQ

Q.73 Which letter cluster will replace the question mark (?) to complete the given series?

CDX DFU EHR ? GLL

- Ans**
- ☐ A. FTR
 - ☐ B. FGY
 - ☐ C. FDR
 - ☒ D. FJO

Q.74 Refer to the following letter series and answer the question that follows.

(Left) H U N V Y M L N D M Q M B E M N Z W M J I N F Q N (Right)

How many letters are there in the English alphabetical series between the letter which is fifth from the right end and eighth from the left end of the series?

- Ans**
- ☐ A. Three
 - ☐ B. Five
 - ☐ C. Two
 - ☒ D. Four

Q.75 Seven boxes, G, H, I, J, Q, R and S, are kept one over the other, but not necessarily in the same order.
Only two boxes are kept between I and R. Only J is kept above S. Only three boxes are kept below I. H is kept at some place below G but at some place above Q.
Which box is kept third above Q?

- Ans**
- ☐ A. J
 - ☐ B. R
 - ☐ C. S
 - ☒ D. G

Q.76 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RHE 53, WMC 61, BRA 69, GWY 77, ?

- Ans**
- ☒ A. KBV 83
 - ☒ B. MAX 85
 - ☒ C. LBW 85
 - ☒ D. KCU 83

Q.77 What should come in place of '?' in the given series?
135 146 168 201 245 ?

- Ans**
- ☒ A. 300
 - ☒ B. 310
 - ☒ C. 290
 - ☒ D. 280

Q.78 Abhinav starts from Point A and drives 16 km towards the west. He then takes a right turn, drives 8 km, turns right and drives 19 km. He then takes a right turn and drives 14 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 5 km to the south
 - ☒ B. 6 km to the north
 - ☒ C. 5 km to the north
 - ☒ D. 6 km to the south

Q.79 Each of the digits in the number 7632198 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. ONE
 - ☒ B. NONE
 - ☒ C. THREE
 - ☒ D. TWO

Q.80 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

- Ans**
- ☒ A. KJ-PZ
 - ☒ B. HG – NW
 - ☒ C. FE-KU
 - ☒ D. PO – UE

Q.81 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. JKO
 - ☒ B. ROS
 - ☒ C. MJN
 - ☒ D. LIM

Q.82 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PCO QGL RKI SOF ?

- Ans**
- ☐ A. SKM
 - ☐ B. CAP
 - ☐ C. SDF
 - ☒ D. TSC

Q.83 In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the daughter of B',
A × B means 'A is the son of B', and
A ÷ B means 'A is the husband of B'.
Based on the above, how is V related to R if 'V - D + Q × T ÷ R'?

- Ans**
- ☐ A. Daughter
 - ☐ B. Son's wife
 - ☐ C. Sister's daughter
 - ☒ D. Daughter's daughter

Q.84 DI 12 is related to JE 3 in a certain way. In the same way, EW 11 is related to KS 2. To which of the following is KN 19 related, following the same logic?

- Ans**
- ☐ A. TR 11
 - ☐ B. HY 14
 - ☒ C. QJ 10
 - ☐ D. LP 9

Q.85 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 3 8 7 5 3 2 1 9 6 4 8 7 5 2 1 4 6 3 2 9 8 7 5 4 1 5 2 6 9 8 7 5 6 3 2 1 5 4 7 8 5 1 2 5 9 6 3
9 8 7 5 1 4 5 2 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 8
 - ☐ D. 6

Q.86 In a certain code language, 'JACK' is coded as '9621' and 'CALK' is coded as '6231'. What is the code for 'L' in the given code language?

- Ans**
- ☐ A. 6
 - ☒ B. 3
 - ☐ C. 2
 - ☐ D. 1

Q.87 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 1 1 9 4 8 6 9 2 4 2 8 9 7 1 3 2 7 5 8 2 1 5 3 (Right)
How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Two
 - ☒ B. Four
 - ☐ C. Three
 - ☐ D. Five

Q.88 What should come in place of '?' in the given series?

280 225 175 130 90 55 ?

- Ans**
- ☒ A. 31
 - ☒ B. 34
 - ☒ C. 28
 - ☒ D. 25

Q.89 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some bottles are jars. All jars are boxes.

Conclusions

(I) Some boxes are bottles.

(II) All boxes are jars.

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (I) follows
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (II) follows

Q.90 Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only Q sits to the left of H. Only four people sit between Q and G. Only F sits between L and M, and L is not an immediate neighbor of G. How many people sit between O and H?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Two

Q.91 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

78 - 88

32 - 42

- Ans**
- ☒ A. 110 - 120
 - ☒ B. 45 - 56
 - ☒ C. 98 - 88
 - ☒ D. 90 - 110

Q.92 WTQT is related to VSPS in a certain way based on the English alphabetical order. In the same way, ZWTW is related to YVSV. To which of the following is OLIL related, following the same logic?

- Ans**
- ☒ A. NJGK
 - ☒ B. NKHK
 - ☒ C. NLGO
 - ☒ D. NKGK

Q.93 Six boxes E,F,G,H,I and B are kept one over the other but not necessarily in the same order. Only three boxes are kept above F. Only one box is kept between H and F. Only three boxes are kept between H and I. I is kept at some place above F. B is kept immediately below I. E is kept at one of the places below G. How many boxes are kept between G and H?

- Ans** ☒ A. Four
☐ B. Two
☐ C. Three
☐ D. One

Q.94 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 7254136, how many digits will appear more than once in the new number thus formed?

- Ans** ☒ A. None
☐ B. Three
☐ C. Two
☐ D. One

Q.95 In a certain code language, 'GLOW' is coded as '3187' and 'WOLF' is coded as '1273'. What is the code for 'G' in the given code language?

- Ans** ☐ A. 3
☒ B. 8
☐ C. 1
☐ D. 7

Q.96 LL 22 is related to JH 6 in a certain way. In the same way, CR 20 is related to AN 4. To which of the following is GN 14 related, following the same logic?

- Ans** ☐ A. EI -2
☐ B. FI -4
☐ C. FJ -4
☒ D. EJ -2

Q.97 If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8254316, then what will be the sum of the first digit from the left and the second digit from the right in the new number thus formed?

- Ans** ☐ A. 6
☒ B. 10
☐ C. 4
☐ D. 0

Q.98 Seven people X, Y, Z, A, B, C and D are sitting around a circular table facing towards the centre of the table. D sits third to the right of Y. B is sitting immediately between X and C. Z sits second to the right of X. What is the position of A with respect to Z?

- Ans** ☒ A. Immediate right
☐ B. Second to the right
☐ C. Immediate left
☐ D. Second to the left

Q.99 In a certain code language,
A : B means 'A is the father of B',
A @ B means 'A is the mother of B',
A ? B means 'A is the wife of B' and
A + B means 'A is the daughter of B'.

How is C related to R if 'C ? O : V @ E + R'?

- Ans
- ✓ A. Wife's mother
 - ✗ B. Wife's father
 - ✗ C. Wife's brother
 - ✗ D. Wife's sister

Q.100 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some leaves are trees.
All chairs are trees.

Conclusions:

- (I) Some leaves are chairs.
(II) All trees are chairs.

- Ans
- ✓ A. Neither conclusion (I) nor (II) follows
 - ✗ B. Only conclusion (II) follows
 - ✗ C. Both conclusions (I) and (II) follow
 - ✗ D. Only conclusion (I) follows



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	18/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Find the value of m which satisfies

$$\left(\frac{26}{7}\right)^5 \times \left(\frac{7}{26}\right)^{11} \times \left(\frac{26}{7}\right)^{19} = \left(\frac{7}{26}\right)^{9m+17}$$

Ans

✓ A. $-\frac{10}{3}$

✗ B. $-\frac{37}{9}$

✗ C. $-\frac{26}{9}$

✗ D. $-\frac{24}{9}$

Q.2 Evaluate $23^3 + (-11)^3 + (-12)^3$

Ans

✗ A. 9070

✗ B. 8863

✓ C. 9108

✗ D. 9144

Q.3 If the simple interest on a sum of ₹9,800 is ₹16,562 for a period of 13 years, find the rate of interest per annum.

Ans

✗ A. 9%

✗ B. 11%

✗ C. 15%

✓ D. 13%

Q.4 If $\sec\theta + \operatorname{cosec}\theta = a$ and $\tan\theta + \cot\theta = b$, find the value of $\operatorname{cosec}2\theta$.

- Ans
- ☒ A. $\frac{a^2 - b^2}{2}$
 - ☒ B. $\frac{b^2 - a^2}{2}$
 - ☒ C. $\frac{a}{2}$
 - ☒ D. $\frac{b}{2}$

Q.5 A parallelogram has sides 12 cm and 9 cm long. The length of one of its diagonals is 15 cm. What is the area (in cm^2) of the parallelogram?

- Ans
- ☒ A. 135
 - ☒ B. 108
 - ☒ C. 120
 - ☒ D. 90

Q.6 Find the positive integral value of x if the fourth proportional of $x, x + 1, 2x + 3$ is y and $y = 3x + 3$.

- Ans
- ☒ A. 4
 - ☒ B. 3
 - ☒ C. 2
 - ☒ D. 5

Q.7 A jacket has a marked price of ₹5,000. The shopkeeper offers two successive discounts of 20% and 30%. What is the final selling price?

- Ans
- ☒ A. ₹2,600
 - ☒ B. ₹2,800
 - ☒ C. ₹2,850
 - ☒ D. ₹2,650

Q.8 Find the value of $\frac{1.4 \times 1.4 \times 1.4 - 1.2 \times 1.2 \times 1.2}{1.4 \times 1.4 + 1.4 \times 1.2 + 1.2 \times 1.2}$.

- Ans
- ☒ A. 0.52
 - ☒ B. 0.2
 - ☒ C. 0.46
 - ☒ D. 2.6

Q.9 The mean proportional of 0.15 and 0.000135 is _____.

- Ans
- ☒ A. 0.00045
 - ☒ B. 0.045
 - ☒ C. 0.0045
 - ☒ D. 0.000045

Q.10 Priyal is 5 years younger than her brother. After 4 years, the sum of their ages will be 39 years. What is Priyal's current age?

- Ans
- ☒ A. 16 years
 - ☒ B. 13 years
 - ☒ C. 14 years
 - ☒ D. 15 years

Q.11 Simplify: $156 \div [12 + \{7 \times (15 - 9) - 28\}]$

- Ans
- ☒ A. 8
 - ☒ B. 6
 - ☒ C. 12
 - ☒ D. 10

Q.12 Rohit walks at a speed of 6 km/hr. How much time will he take to cover 12 km?

- Ans
- ☒ A. 2.5 hours
 - ☒ B. 2 hours
 - ☒ C. 1.5 hours
 - ☒ D. 1 hour

Q.13 An article is marked for ₹2,000. A 25% discount is offered on the marked price, followed by a second discount of 10% on the new price. What is the final selling price of the article?

- Ans
- ☒ A. ₹1,350
 - ☒ B. ₹1,720
 - ☒ C. ₹1,450
 - ☒ D. ₹1,520

Q.14 Sides PQ and QR of a $\triangle PQR$ are produced to points S and T. If $\angle PRT > \angle RQS > 50^\circ$ and $\angle PRT + \angle RQS = 220^\circ$, which of the following statements is true?

- Ans
- ☒ A. $PR < PQ < QR$
 - ☒ B. $QR < PR < PQ$
 - ☒ C. $PQ < PR < QR$
 - ☒ D. $QR < PQ < PR$

Q.15 The frequency distribution of the hourly wages rate of 100 employees of a paper mill is follows. Find the median wage rate (in ₹).

Wages rate(in₹)	54-56	56-58	58-60	60-62	62-64
Number of workers	20	20	20	20	20

- Ans
- ☒ A. 56.3
 - ☒ B. 58.9
 - ☒ C. 59
 - ☒ D. 56.8

Q.16 Two taps can fill a cistern in 4 hours and 15 hours, respectively. A third tap can empty it in 15 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans
- ☒ A. 1
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 2

Q.17 A stationery shop sells notebooks and pens. The cost of 4 notebooks and 6 pens is ₹228. The cost of 7 notebooks and 6 pens is ₹333. Find the cost of one notebook.

- Ans
- ☒ A. ₹ 35
 - ☒ B. ₹ 37.50
 - ☒ C. ₹ 32
 - ☒ D. ₹ 39

Q.18 A string initially in the shape of a circle with a radius of 21 cm is cut into two distinct pieces. The first piece is reshaped into a rectangle where the length is twice its breadth, while the second piece is formed into a square. If the perimeter of the rectangle is 24 cm greater than the perimeter of the square, find the breadth of the rectangle. [Use $\pi = \frac{22}{7}$]

- Ans
- ☒ A. 26 cm
 - ☒ B. 13 cm
 - ☒ C. 4 cm
 - ☒ D. 4.25 cm

Q.19 What is the mean proportional between 0.16 and 0.49?

- Ans
- ☒ A. 0.24
 - ☒ B. 0.26
 - ☒ C. 0.28
 - ☒ D. 0.21

Q.20 A trader sells goods at a 15% profit but uses a weight of 950 grams for a kilogram. What is his total profit percentage? (Correct to two decimal places.)

- Ans
- ☒ A. 18.95%
 - ☒ B. 20%
 - ☒ C. 21.05%
 - ☒ D. 25%

Q.21 The cost of an article is increased by 20% in the first year. In the second year the increased cost is decreased by 24%. If the final cost of the article is ₹1,938, find the original cost of the article.

- Ans
- ☒ A. ₹2,160
 - ☒ B. ₹2,196
 - ☒ C. ₹2,125
 - ☒ D. ₹2,148

Q.22 The HCF and LCM of two numbers are 27 and 324, respectively. If one number is 81, find the other number.

- Ans
- ☒ A. 108
 - ☒ B. 96
 - ☒ C. 120
 - ☒ D. 84

Q.23 Rajiv invested a certain sum of money at 10% per annum. After 2 years, he received ₹199.5 as compound interest, compounded annually. Find the corresponding simple interest (in ₹) for 2 years at the same rate.

- Ans
- ☒ A. 200
 - ☒ B. 190
 - ☒ C. 205
 - ☒ D. 185

Q.24 A teacher records the number of books read by each student in a month: 3, 5, 2, 3, 4, 5, 3, 2, 5, 5. What is the mode of this data set?

- Ans
- ☒ A. 3
 - ☒ B. 2
 - ☒ C. 5
 - ☒ D. 4

Q.25 If $\frac{x}{x+1} + \frac{x+1}{x} = \frac{5}{2}$, then find x.

- Ans
- ☐ A. 0 or -1
 - ☐ B. -1 or 2
 - ☐ C. 0 or 1
 - ☒ D. 1 or -2

Q.26 Harish bought an article for ₹347 and sold it to Renu at a loss of 6%. With this amount, Harish bought another article and sold it at a gain of 65%. What is Harish's overall gain percentage?

- Ans
- ☐ A. 53.1%
 - ☐ B. 50.9%
 - ☐ C. 51.8%
 - ☒ D. 55.1%

Q.27 A train met with an accident 50 km away from station A. It completed the remaining journey at three-fourth of its original speed and reached station B 35 minutes late. Had the accident occurred 24 km further down the line, it would have been only 25 minutes late. What is the original speed of the train?

- Ans
- ☐ A. 60 km/hr
 - ☐ B. 40 km/hr
 - ☐ C. 45 km/hr
 - ☒ D. 48 km/hr

Q.28 The price of fuel decreases by 45%, 50% and 25% in three successive months, but increases by 65% in the fourth month. What is the percentage decrease in the price of fuel in the fourth month as compared to its original price? (Round off to 2 decimal places.)

- Ans
- ☐ A. 69.13%
 - ☒ B. 65.97%
 - ☐ C. 67.46%
 - ☐ D. 70.35%

Q.29 Pipe X can fill a reservoir in 15 hours and pipe Y can empty it in 20 hours. If both pipes are opened simultaneously and pipe Y is closed after 10 hours, find the total time to fill the reservoir.

- Ans
- ☐ A. 23 hours
 - ☐ B. 23.5 hours
 - ☐ C. 24 hours
 - ☒ D. 22.5 hours

Q.30 If the ratio of two numbers is 4 : 1, and their HCF is 47, then their LCM is:

- Ans
- ☐ A. 376
 - ☒ B. 188
 - ☐ C. 412
 - ☐ D. 406

Section : General Awareness

Q.31 Which of the following is a large scale industry?

- Ans
- ☒ A. Steel plants
 - ☐ B. Food processing
 - ☐ C. Pottery
 - ☐ D. Handloom

Q.32 Which of the following temple complexes is known for its 24-metre-high vimana and stone image of Shiva?

- Ans**
- ✓ A. Airavatesvara Temple
 - ✗ B. Kandariya Mahadeva Temple
 - ✗ C. Gangaikondacholisvaram
 - ✗ D. Mahabodhi Temple

Q.33 In 2025, which stratovolcano in New Zealand was granted individual legal status, becoming the third natural entity in the country to receive personhood?

- Ans**
- ✗ A. Mount Cook
 - ✗ B. Mount Ruapehu
 - ✓ C. Taranaki Maunga
 - ✗ D. Mount Tongariro

Q.34 According to Census 2011, which Union Territory had the lowest literacy rate?

- Ans**
- ✓ A. Dadra and Nagar Haveli
 - ✗ B. Andaman and Nicobar Islands
 - ✗ C. Lakshadweep
 - ✗ D. Chandigarh

Q.35 In which of the following years did the Tata Group take over state-owned Air India?

- Ans**
- ✓ A. 2022
 - ✗ B. 2013
 - ✗ C. 2019
 - ✗ D. 2016

Q.36 In which state were the 77th Senior and 54th Junior National Track Cycling Championships held from 19 to 24 December 2025?

- Ans**
- ✗ A. Uttar Pradesh
 - ✗ B. Punjab
 - ✓ C. Uttarakhand
 - ✗ D. West Bengal

Q.37 State Public Service Commissions' members are appointed by the governor and removed by whom?

- Ans**
- ✗ A. Indian Parliament
 - ✗ B. Chief Minister of the state
 - ✗ C. Governor of the state
 - ✓ D. President of India

Q.38 India's industrial growth remained sluggish from the mid-1960s to 1980. What term is often used to describe this slow pace of economic growth?

- Ans**
- ✓ A. Hindu Growth Rate
 - ✗ B. Socialist Stagnation
 - ✗ C. Great Deceleration
 - ✗ D. Fiscal Drag

Q.39 If an object having a mass of 10 kg is moving with a velocity of 50 m/s, find the correct momentum of the object.

- Ans**
- ✗ A. 40 kg m/s
 - ✗ B. 5 kg m/s
 - ✗ C. 60 kg m/s
 - ✓ D. 500 kg m/s

Q.40 Ustad Amjad Ali Khan is world-renowned for playing which of the following instruments?

- Ans**
- ☒ A. Sarod
 - ☐ B. Bansuri
 - ☐ C. Santoor
 - ☐ D. Violin

Q.41 In which region of Gujarat are Duha, Sorathaa, Chaand, Belaads, etc. traditionally performed in folk music?

- Ans**
- ☐ A. Kutch
 - ☒ B. Saurashtra
 - ☐ C. Central Gujarat
 - ☐ D. North Gujarat

Q.42 Who set a new record for the most sixes in the ICC Men's ODI events in March 2025?

- Ans**
- ☒ A. Rohit Sharma
 - ☐ B. Ben Duckett
 - ☐ C. Suryakumar Yadav
 - ☐ D. Chris Gayle

Q.43 The Munda Uprising (1899–1900) was associated with which leader?

- Ans**
- ☒ A. Birsa Munda
 - ☐ B. Tilka Majhi
 - ☐ C. Budhu Bhagat
 - ☐ D. Jatra Oraon

Q.44 Which of the following are the official languages of India?

- Ans**
- ☐ A. Hindi and Urdu
 - ☐ B. Hindi and Marathi
 - ☒ C. Hindi and English
 - ☐ D. English and Urdu

Q.45 Which of the following statements correctly highlights the primary difference between System Software and Application Software?

- Ans**
- ☐ A. Application software is required to start the computer, whereas system software is used only after the computer has fully booted up.
 - ☐ B. System software is always free and open-source, but application software must always be purchased with a license.
 - ☒ C. System software manages the computer's core resources and provides a platform for other programs, while application software is designed to perform specific tasks for the user.
 - ☐ D. System software is developed by large companies, while application software is developed only by individual programmers.

Q.46 Which continent is known as the 'Island Continent'?

- Ans**
- ☐ A. Europe
 - ☐ B. Africa
 - ☐ C. South America
 - ☒ D. Australia

Q.47 What major change was made to the Right to Property by the 44th Amendment Act (1978)?

- Ans**
- ☒ A. It was removed from Fundamental Rights
 - ☐ B. It was elevated to a Directive Principle
 - ☐ C. It was protected under Article 21
 - ☐ D. It was given more enforcement power

Q.48 When a metal spoon is placed in a hot cup of tea, it soon becomes warm. Which mode of heat transfer is primarily responsible for this?

- Ans**
- ☐ A. Convection
 - ☒ B. Conduction
 - ☐ C. Radiation
 - ☐ D. Insulation

Q.49 Which of the following desert features forms due to parallel retreat of slopes through backwasting?

- Ans**
- ☐ A. Playa
 - ☐ B. Stalagmite
 - ☐ C. Blowout
 - ☒ D. Pediplain

Q.50 What was the primary objective of Exercise INDRA, 2025?

- Ans**
- ☒ A. To improve interoperability against maritime threats
 - ☐ B. To develop joint aircraft manufacturing
 - ☐ C. To enhance maritime tourism
 - ☐ D. To conduct submarine repair training

Q.51 Which mission was announced by the Prime Minister of India during his address from the Red Fort on the occasion of the 79th Independence Day in 2025 to harness India's offshore energy resources?

- Ans**
- ☐ A. Blue Energy Development Mission
 - ☒ B. National Deepwater Exploration Mission
 - ☐ C. Offshore Energy Security Programme
 - ☐ D. Strategic Hydrocarbon Independence Initiative

Q.52 The President may return a non-money bill to Parliament for reconsideration for how many times?

- Ans**
- ☐ A. Twice
 - ☐ B. Any number of times
 - ☒ C. Once only
 - ☐ D. Never

Q.53 The Capability Approach, which defines development as expanding individuals' freedoms, was first proposed by which economist?

- Ans**
- ☒ A. Amartya Sen
 - ☐ B. Adam Smith
 - ☐ C. John Rawls
 - ☐ D. Martha Nussbaum

Q.54 Which organisation led the bladder cancer radiation therapy trial in November 2025?

- Ans**
- ☐ A. National Institute of Mental Health and Neurosciences, Bengaluru
 - ☐ B. Postgraduate Institute of Medical Education and Research, Chandigarh
 - ☒ C. Tata Memorial Centre, Mumbai
 - ☐ D. All India Institute of Medical Sciences, Delhi

Q.55 The work Tarikh-i-Rashidi, which provides valuable information about Central Asia and early Mughal history, was written by:

- Ans**
- ☒ A. Mirza Haidar Dughlat
 - ☐ B. Ziauddin Barani
 - ☐ C. Minhaj-us-Siraj
 - ☐ D. Abdul Fazl

Q.56 World Water Day, observed on 22 March 2025, highlighted concerns related to:

- Ans**
- ☐ A. Fisheries development
 - ☐ B. Coastal erosion
 - ☐ C. Ocean pollution
 - ☒ D. Glacier melting and water security

Q.57 Which of the following organizations launched the 'Frontier Seed' initiative to boost private sector growth and ocean impact in the Pacific in 2025?

- Ans**
- ☐ A. Bank of International Settlement
 - ☐ B. World Bank
 - ☒ C. Asian Development Bank
 - ☐ D. European Investment Bank

Q.58 Which of the following provisions of the Constitution of India provides the President with the power to grant pardons, reprieves or remissions?

- Ans**
- ☒ A. Article 72
 - ☐ B. Article 71
 - ☐ C. Article 75
 - ☐ D. Article 74

Q.59 Which innovation correctly illustrates Mesolithic advances in subsistence and technology in India?

- Ans**
- ☐ A. Emergence of polished stone axes associated with settled agricultural villages
 - ☒ B. Use of microlithic tools along with bow-and-arrow and plant-processing implements
 - ☐ C. Manufacture of heavy flake tools similar to Lower Paleolithic hand-axes
 - ☐ D. Adoption of iron tools indicates an early transition to metal-using cultures

Q.60 High sea waves triggered by an undersea earthquake are called:

- Ans**
- ☐ A. Monsoon winds
 - ☒ B. Tsunamis
 - ☐ C. Land depressions
 - ☐ D. Glacial surges

Q.61 Which Indian state became the first in the country to enact its own Right to Information Act in 1997?

- Ans**
- ☒ A. Tamil Nadu
 - ☐ B. Rajasthan
 - ☐ C. Punjab
 - ☐ D. Karnataka

Q.62 Under the Legal Services Authorities Act of which year, every State / District Authority or the Supreme Court / High Court Legal Services Committee or Taluk Legal Services Committee may organise Lok Adalats, as the case may be?

- Ans**
- ☐ A. 1977
 - ☒ B. 1987
 - ☐ C. 1957
 - ☐ D. 1967

Q.63 What do we call the lasting of sound caused by repeated reflections?

- Ans**
- ☒ A. Reverberation
 - ☐ B. Quality
 - ☐ C. Echo
 - ☐ D. Resonance

Q.64 Which shortcut is used to quickly search for a word in a webpage?

- Ans**
- ☐ A. Ctrl + S
 - ☒ B. Ctrl + F
 - ☐ C. Ctrl + Tab
 - ☐ D. Ctrl + V

Q.65 In physical science, understanding the dimension of a quantity helps to analyze formulas and relationships between variables. Which set of dimensions correctly represents the physical quantity 'force' in terms of mass, length, and time?

- Ans**
- ☐ A. mass $\times$ length $\times$ time²
 - ☐ B. mass $\times$ length $\times$ time
 - ☒ C. mass $\times$ length $\times$ time⁻²
 - ☐ D. mass $\times$ length² $\times$ time⁻¹

Q.66 Who is the author of the book titled 'Modi's Mission'?

- Ans**
- ☒ A. Berjis Desai
 - ☐ B. Arundhati Roy
 - ☐ C. Amish Tripathi
 - ☐ D. B.K. Harinarayanan

Q.67 Which type of file is identified by the extension .exe in Windows 11?

- Ans**
- ☐ A. System text file
 - ☐ B. Document file
 - ☐ C. Image file
 - ☒ D. Executable program file

Q.68 The North-West Frontier Province's non-violent mass organisation, the Khudai Khidmatgars (Red Shirts), was led by:

- Ans**
- ☐ A. Maulana Azad
 - ☐ B. Shaukat Ali
 - ☐ C. Khan Abdul Qayyum
 - ☒ D. Abdul Ghaffar Khan

Q.69 Which outcome resulted from the Indian Councils Act of 1909 (Morley–Minto Reforms)?

- Ans**
- ☐ A. Establishment of provincial autonomy, complete financial authority, and autonomous ministries
 - ☒ B. Expansion of legislative councils, admission of Indians to Viceroy's executive council, and new deliberative powers.
 - ☐ C. Reduction of legislative council size, replacement of budgetary rights, and elimination of Indian representatives.
 - ☐ D. Abolition of nominated seats, imposition of direct elections, and removal of official majorities.

Q.70 Which of the following is an example of computers in the service industry?

- Ans**
- ☒ A. Heart surgery monitoring
 - ☒ B. Spacecraft navigation
 - ☒ C. Automated ticket booking
 - ☒ D. Automated car manufacturing

Section : General Intelligence and Reasoning

Q.71 In a certain code language, 'CHIN' is coded as '9413' and 'NICE' is coded as '2319'. What is the code for 'E' in that language?

- Ans**
- ☒ A. 1
 - ☒ B. 9
 - ☒ C. 3
 - ☒ D. 2

Q.72 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZEK UZF PUA KPV ?

- Ans**
- ☒ A. DKR
 - ☒ B. PFY
 - ☒ C. FKQ
 - ☒ D. EGP

Q.73 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following would be 4?

- Ans**
- ☒ A. 85 B 5 D 7 C 5 A 22
 - ☒ B. 85 C 5 D 7 A 5 B 22
 - ☒ C. 85 A 5 D 7 B 5 C 22
 - ☒ D. 85 D 5 A 7 B 5 C 22

Q.74 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. GJ - FI
 - ☒ B. KN - HU
 - ☒ C. PS - OR
 - ☒ D. OR - NQ

Q.75 In a certain code language, 'uncle steak gum' is coded as 'xl wc iv' and 'sir gum barn' is coded as 'wc mn ut'. How is 'gum' coded in the given language?

- Ans**
- ☒ A. mn
 - ☒ B. iv
 - ☒ C. xl
 - ☒ D. wc

Q.76 A, B, D, J, O, T and Z are sitting around a circular table facing the center. Exactly three people sit between Z and T when counted from the right of Z. B sits second to the left of T. A sits immediately to the left of J. D is not an immediate neighbor of T. How many people sit between B and A when counted from the left of A?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.77 CZAZ is related to VSTS in a certain way based on the English alphabetical order. In the same way, EBCB is related to XUVU. To which of the following is GDED related, following the same logic?

- Ans**
- ☐ A. ZWWW
 - ☐ B. ZXWA
 - ☐ C. ZVWW
 - ☒ D. ZWXW

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(17, 4, 204)
(19, 5, 285)

- Ans**
- ☒ A. (16, 8, 384)
 - ☐ B. (21, 4, 256)
 - ☐ C. (15, 7, 316)
 - ☐ D. (18, 6, 328)

Q.79 Six boxes H,I,J,K,L and E are kept one over the other but not necessarily in the same order. E is kept immediately above J. I is kept immediately above L. Only K is kept above H. Only two boxes are kept above E. How many boxes are kept between I and K?

- Ans**
- ☐ A. Four
 - ☐ B. Two
 - ☐ C. One
 - ☒ D. Three

Q.80 Seven boxes G, H, I, J, K, L and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between L and J. Only T is kept above I. No box is kept below J. H is kept at some place below G but at some place above K. How many boxes are kept between T and H?

- Ans**
- ☐ A. Two
 - ☐ B. Four
 - ☒ C. Three
 - ☐ D. One

Q.81 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All ribbons are goats. Some crows are ribbons.

Conclusion (I): Some crows are goats.

Conclusion (II): All goats are crows.

- Ans**
- ☐ A. Only conclusion (II) follows
 - ☒ B. Only conclusion (I) follows
 - ☐ C. Neither conclusion (I) nor (II) follows
 - ☐ D. Both conclusions (I) and (II) follow

Q.82 Refer to the given series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 8 5 2 8 8 2 3 1 8 8 9 6 6 4 8 6 2 9 9 2 4 6 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. None
 - ☒ D. Three

Q.83 Refer to the following letter series and answer the question.

(Left) T Y E V B I W F X A P D G H M K R Z O L M S (Right)

How many letters are there in the English alphabetical series between the letter which is sixth from the right end and fourth from the left end of the series?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. Five
 - ☒ D. Four

Q.84 If 'A' stands for '+', 'B' stands for '−', 'C' stands for '×' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

126 B 13 A 42 D 7 C 15 = ?

- Ans**
- ☒ A. 203
 - ☒ B. 330
 - ☒ C. 620
 - ☒ D. 480

Q.85 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

UQL : QMH
CAT : YWP

- Ans**
- ☒ A. NOP : OPQ
 - ☒ B. ZBM : VXI
 - ☒ C. UTW : RQT
 - ☒ D. LJH : NLJ

Q.86 What should come in place of ? in the given series based on the English alphabetical order?

NJI HDC BXW VRQ ?

- Ans**
- ☒ A. PLK
 - ☒ B. PMJ
 - ☒ C. PQS
 - ☒ D. PKJ

Q.87 What should come in place of '?' in the given series?

391 349 376 334 361 319 ?

- Ans**
- ☒ A. 360
 - ☒ B. 354
 - ☒ C. 350
 - ☒ D. 346

Q.88 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
UOM : YRK
VSL : ZVJ

- Ans**
- ☒ A. GVS : KYR
 - ☒ B. FEO : JHL
 - ☒ C. INK : MQI
 - ☒ D. KRX : OTV

Q.89 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4317856, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. None

Q.90 Each letter in the word INJURED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter cluster thus formed?

- Ans**
- ☒ A. 7
 - ☒ B. 9
 - ☒ C. 8
 - ☒ D. 11

Q.91 In a certain code language,
A @ B means 'A is the mother of B',
A × B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A ÷ B means 'A is the father of B'.

How is S related to H if 'S ÷ D + R @ Y × H'?

- Ans**
- ☒ A. Wife's mother's father
 - ☒ B. Wife's father
 - ☒ C. Wife's brother
 - ☒ D. Wife's mother's brother

Q.92 Shishir starts from Point Y and drives 75 km towards East. He then takes a left turn, drives 35 km, turns left and drives 38 km. He then takes a left turn and drives 41 km. He takes a right turn, drives 37 km. He then turns left, drives 26 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 32 km towards north
 - ☒ B. 33 km towards west
 - ☒ C. 35 km towards north
 - ☒ D. 29 km towards south

Q.93 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

- Ans**
- ☒ A. VT – LE
 - ☒ B. XV-NH
 - ☒ C. BZ-RL
 - ☒ D. OM – EY

Q.94 Eight people, S, T, U, V, W, X, Y and Z, are sitting around a circular table, facing the centre. T sits third to the left of W. T sits third to the right of V. X is an immediate neighbour of U and V. Z sits second to the left of S. How many people sit between X and W, when counted from the left of X?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Four

Q.95 What should come in place of the '?' in the given series?

5 9 20 40 67 103 ?

- Ans**
- ☒ A. 146
 - ☒ B. 148
 - ☒ C. 184
 - ☒ D. 164

Q.96 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. LX – HT
 - ☒ B. QE – MA
 - ☒ C. BK – XF
 - ☒ D. NV – JR

Q.97 What should come in place of '?' in the given series based on the English alphabetical order?

KFP SNX AVF IDN ?

- Ans**
- ☒ A. KDF
 - ☒ B. IAK
 - ☒ C. QLV
 - ☒ D. LFP

Q.98 In a certain code language,

A ÷ B means 'A is the mother of B',
A x B means 'A is the husband of B',
A – B means 'A is the sister of B' and
A + B means 'A is the father of B'.

Based on the above, how is M related to R if 'M + N ÷ O – P x Q ÷ R'?

- Ans**
- ☒ A. Father's father's father
 - ☒ B. Father's father's brother
 - ☒ C. Mother's brother
 - ☒ D. Father's mother's father

Q.99 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All hats are carpets.
No carpet is a locket.

Conclusions:

(I) No hat is a locket.
(II) Some lockets are carpets.

- Ans**
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Only conclusion (I) follows
 - ☒ C. Only conclusion (II) follows
 - ☒ D. Both conclusions (I) and (II) follow

Q.100 Vimal ranked 28th from the top and 65th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 93
 - ☒ B. 90
 - ☒ C. 92
 - ☒ D. 91



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	19/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 From the top of a 75-meter-high lighthouse, the angles of depression of two ships are 30° and 45° . If the two ships are on the same side of the lighthouse and in a straight line with its base, find the distance between the two ships. (Use $\sqrt{3} = 1.732$)

- Ans**
- ☒ A. 54.9 meters
 - ☐ B. 52.5 meters
 - ☐ C. 58.4 meters
 - ☐ D. 61.2 meters

Q.2 A pentagon is divided into three triangles by drawing diagonals from one of its vertices. The areas of two of these triangles are 24 cm^2 and 30 cm^2 . The third triangle has a base of 12 cm and a height of 38 cm. What is the area (in cm^2) of the pentagon?

- Ans**
- ☒ A. 282
 - ☐ B. 242
 - ☐ C. 275
 - ☐ D. 228

Q.3 The price of an article is successively increased by 9% and 13%. Find the percentage increase in the price of the article.

- Ans**
- ☒ A. 23.17%
 - ☐ B. 22.57%
 - ☐ C. 20.68%
 - ☐ D. 24.69%

Q.4 The present age of a father is equal to sum of ages of his son and daughter. Ten years ago from now, the age of the father was double the age of the son and four times the age of the daughter. The total present age of the father, daughter and son is ____ years.

- Ans**
- ☒ A. 100
 - ☐ B. 120
 - ☐ C. 80
 - ☐ D. 60

Q.5 A positive integer N divides 228, leaving a remainder of 18. What is the greatest two-digit value of N?

- Ans
- ☒ A. 60
 - ☒ B. 70
 - ☒ C. 42
 - ☒ D. 84

Q.6 Pipes, A and B, can fill a tank in 10 hours. Pipes, B and C, can fill the same tank in 20 hours. If pipe B alone can fill the same tank in 30 hours, how much time will the pipes A and C take together to fill the same tank.

- Ans
- ☒ A. 13 hours
 - ☒ B. 14 hours
 - ☒ C. 12 hours
 - ☒ D. 16 hours

Q.7 Chetan's salary is ₹16000 per month. He spends ₹6000 on house rent, ₹1500 on bills and the rest of the amount is his monthly savings. Find his savings(in ₹) in a year, if in the month of his birthday he spent his complete monthly saving for birthday celebration.

- Ans
- ☒ A. 85000
 - ☒ B. 76500
 - ☒ C. 102000
 - ☒ D. 93500

Q.8 Simplify: $\frac{\left(\frac{13}{21}\right)}{\left(\frac{13}{10}\right)} \div \left(\frac{5}{9} \times \frac{18}{15} + \frac{5}{7}\right) + \frac{10}{6} \div \frac{29}{15}$ of $\frac{15}{6}$

- Ans
- ☒ A. $\frac{13}{36}$
 - ☒ B. $\frac{10}{27}$
 - ☒ C. $\frac{20}{29}$
 - ☒ D. $\frac{26}{37}$

Q.9 A faster train overtakes a slower train, both moving in the same direction. The faster train takes 36 seconds to completely pass the slower train. A passenger sitting in the faster train observes that he passes the slower train in 12 seconds. Find the ratio of the length of the faster train to the length of the slower train.

- Ans
- ☒ A. 3 : 2
 - ☒ B. 3 : 1
 - ☒ C. 1 : 1
 - ☒ D. 2 : 1

Q.10 Two trains, 130 meters and 120 meters long, are running in parallel tracks in the same direction at speeds of 62 km/hr and 44 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

- Ans
- ☒ A. 45 seconds
 - ☒ B. 50 seconds
 - ☒ C. 60 seconds
 - ☒ D. 55 seconds

Q.11 If the average of four numbers is 15, and three of the numbers are 10, 20, and 25, what is the fourth number?

- Ans
- ☒ A. 5
 - ☐ B. 10
 - ☐ C. 15
 - ☐ D. 20

Q.12 In $\triangle ABC$, $\angle A = (3x - 7)^\circ$, $\angle B = 2\angle A$ and $\angle C = (4x + 6)^\circ$. Find the value of $\angle A + \angle C$.

- Ans
- ☐ A. 115°
 - ☐ B. 148°
 - ☐ C. 135°
 - ☒ D. 104°

Q.13 The simple interest on a certain sum for 4 years at 10% interest per annum is ₹3,200. What will be the amount payable after 6 years at the same rate?

- Ans
- ☒ A. ₹12,800
 - ☐ B. ₹12,400
 - ☐ C. ₹11,800
 - ☐ D. ₹11,400

Q.14 A and B can complete a piece of work in 12 days and 6 days, respectively. Both work together for 2 days and then A leaves. B completes the remaining work alone. In how many days is the whole work completed?

- Ans
- ☐ A. 6
 - ☐ B. 4
 - ☒ C. 5
 - ☐ D. 3

Q.15 ₹5,278 is divided among X, Y, and Z in such a way that if ₹67, ₹61, and ₹68 are deducted from their respective shares, they have money in the ratio 8 : 20 : 5. Find X's share after deduction.

- Ans
- ☐ A. ₹1,132
 - ☐ B. ₹1,082
 - ☒ C. ₹1,232
 - ☐ D. ₹1,332

Q.16 Surjeet buys 20 kg of sugar for ₹900. He sells 18 kg of sugar for ₹918. What is the percentage profit made by Surjeet?

- Ans
- ☐ A. $13\frac{1}{9}\%$
 - ☐ B. $11\frac{1}{9}\%$
 - ☒ C. $13\frac{1}{3}\%$
 - ☐ D. $11\frac{1}{3}\%$

Q.17 A trader buys a mobile phone for ₹8000, spends ₹500 on repairs, and sells it at a profit of 20% on the total cost. Later, the buyer resells it at a loss of 25%. What price does the final buyer pay for the mobile phone?

- Ans
- ☐ A. ₹7000
 - ☒ B. ₹7650
 - ☐ C. ₹10500
 - ☐ D. ₹9600

Q.18 Simplify: $8^2 + \sqrt{8^2} - \sqrt{49} - 6$

- Ans
- ☐ A. 53
 - ☒ B. 59
 - ☐ C. 50
 - ☐ D. 66

Q.19 Ravi buys an article with a discount of 25% on its marked price. He makes a profit of 10% by selling it at ₹1,320. The marked price of the article was:

- Ans
- ☐ A. ₹1,400
 - ☐ B. ₹1,650
 - ☒ C. ₹1,600
 - ☐ D. ₹1,550

Q.20 Three numbers are in the ratio 3 : 7 : 2, and their LCM is 5376. Their HCF is:

- Ans
- ☒ A. 128
 - ☐ B. 161
 - ☐ C. 140
 - ☐ D. 162

Q.21 What sum (in ₹) will earn a simple interest of ₹1,320 in 4 years at 8% per year rate of interest?

- Ans
- ☒ A. 4,125
 - ☐ B. 8,250
 - ☐ C. 422.4
 - ☐ D. 2,062.5

Q.22 A store offers a 10% festival discount on the marked price of ₹900. Later, to clear the stock, it offers an additional 5% off on the already discounted price. What is the total amount paid by the customer?

- Ans
- ☐ A. ₹785.50
 - ☐ B. ₹790
 - ☒ C. ₹769.50
 - ☐ D. ₹775

Q.23 The ratio of the radii of two spheres is 2 : 3. If the radius of the first sphere is increased by 50% and the radius of the second sphere is increased by 20%, find the ratio of their new volumes.

- Ans
- ☐ A. 216 : 343
 - ☐ B. 144 : 125
 - ☐ C. 125 : 169
 - ☒ D. 125 : 216

Q.24 Evaluate $25^3 + (-7)^3 + (-18)^3$

- Ans
- ☒ A. 9450
 - ☐ B. 9490
 - ☐ C. 9173
 - ☐ D. 9350

Q.25 The numerator of a fraction is 8 less than the denominator. If the denominator is increased by 5 and the numerator is increased by 3, we get the fraction $\frac{3}{4}$. Find the original fraction.

Ans

- ☒ A. $\frac{3}{5}$
☒ B. $\frac{19}{23}$
☒ C. $\frac{27}{35}$
☒ D. $\frac{11}{14}$

Q.26 In a class, the average weight of the boys is 65 kg and the average weight of the girls is 45 kg. The average weight of the whole class is 57 kg. What is the ratio of the number of girls to the number of boys in the class?

Ans

- ☒ A. 4:3
☒ B. 3:2
☒ C. 2:3
☒ D. 3:4

Q.27 Find the third proportional to 8 and 48.2.

Ans

- ☒ A. 290.405
☒ B. 292.805
☒ C. 296.605
☒ D. 294.205

Q.28 Two friends, P and Q, started a business by investing ₹3,000 and ₹600, respectively. At the end of one year, the business earned a total profit of ₹54,846. What is the share (in ₹) of P in the profit?

Ans

- ☒ A. 45,705
☒ B. 45,555
☒ C. 45,855
☒ D. 45,605

Q.29 Two positive numbers are in the ratio 2:3. If the product of their LCM and HCF is 294, then find the sum of the two numbers.

Ans

- ☒ A. 20
☒ B. 35
☒ C. 15
☒ D. 30

Q.30 $324 \times 24 = 7776$. What will $7.776 \div 2.4$ be equal to?

Ans

- ☒ A. 0.0324
☒ B. 32.4
☒ C. 3.24
☒ D. 0.324

Section : General Awareness

Q.31 In the production of crystal sugar from sugarcane juice, the sugar is separated from the liquid through the growth of solid particles (sugar crystals) from a concentrated solution (syrup). This separation technique is called _____.

- Ans**
- ☒ A. Crystallization
 - ☐ B. Filtration
 - ☐ C. Distillation
 - ☐ D. Chromatography

Q.32 What is the primary function of the Sahitya Akademi?

- Ans**
- ☐ A. To provide translation services
 - ☒ B. To promote literature in Indian languages
 - ☐ C. To conduct language proficiency tests
 - ☐ D. To promote classical languages

Q.33 Which aspect most clearly contrasts user interaction with system software versus application software?

- Ans**
- ☐ A. Application software never has a graphical interface.
 - ☒ B. System software typically has minimal direct interaction; applications are highly interactive.
 - ☐ C. Users always configure system software for every action.
 - ☐ D. Both have identical interaction patterns.

Q.34 Which among the following states had the largest population of children (0–6 years) as per the Census 2011 provisional figures?

- Ans**
- ☐ A. Bihar
 - ☒ B. Uttar Pradesh
 - ☐ C. Maharashtra
 - ☐ D. Rajasthan

Q.35 The General Agreement on Tariffs and Trade (GATT) was signed in which of the following years?

- Ans**
- ☐ A. 1995
 - ☐ B. 1944
 - ☐ C. 1946
 - ☒ D. 1947

Q.36 After proclamation, Financial Emergency must be approved within how many months by Parliament?

- Ans**
- ☐ A. Approved by both Houses of Parliament within One months
 - ☒ B. Approved by both Houses of Parliament within Two months
 - ☐ C. Approved by both Houses of Parliament within Three months
 - ☐ D. Approved by both Houses of Parliament within Six months

Q.37 Which physical process creates the seasonal pressure difference between the Indian subcontinent and surrounding oceans that initiates the summer monsoon winds?

- Ans**
- ☐ A. Presence of the Himalayas
 - ☒ B. Differential heating of land and sea
 - ☐ C. Variation in rainfall pattern
 - ☐ D. Weak coriolis force

Q.38 The Pitti Island in Lakshadweep is notable for which feature?

- Ans**
- ☐ A. It hosts India's largest military base
 - ☐ B. It is the gateway to the Andaman Sea
 - ☐ C. It contains active volcanoes
 - ☒ D. It is uninhabited and has a bird sanctuary

Q.39 What was one main demand of the Muslim League that was accepted by the British government in 1909?

- Ans**
- ☐ A. Complete independence
 - ☐ B. Partition of India
 - ☐ C. Universal adult franchise
 - ☒ D. Separate electorates for Muslims

Q.40 Padmashri Elam Endira Devi is associated with which classical dance form?

- Ans**
- ☒ A. Manipuri
 - ☐ B. Kathak
 - ☐ C. Bharatanatyam
 - ☐ D. Odissi

Q.41 The female labour force participation rate (LFPR) for persons aged 15+ in October 2025 reached approximately:

- Ans**
- ☒ A. 34.2 %
 - ☐ B. 38.0 %
 - ☐ C. 30.0 %
 - ☐ D. 32.0 %

Q.42 As announced in December 2025, Union Coal Minister G. Kishan Reddy stated that the target of 100 million tonnes under the Coal Gasification Mission is to be achieved by which year?

- Ans**
- ☒ A. 2030
 - ☐ B. 2034
 - ☐ C. 2032
 - ☐ D. 2028

Q.43 Which four objectives of the Constitution are explicitly mentioned in the Preamble of India?

- Ans**
- ☐ A. Parliament, President, Judiciary, Election
 - ☐ B. Rights, Duties, Laws, Governance
 - ☒ C. Justice, Liberty, Equality, Fraternity
 - ☐ D. Sovereign, Republic, Secular, Monarchy

Q.44 The split between Moderates and Extremists in the Indian National Congress took place at the 1907 session held at:

- Ans**
- ☐ A. Lahore
 - ☒ B. Surat
 - ☐ C. Calcutta
 - ☐ D. Bombay

Q.45 A plateau that is surrounded by mountains on all sides is generally referred to as a:

- Ans**
- ☐ A. Lava plateau
 - ☒ B. Intermontane plateau
 - ☐ C. Dissected plateau
 - ☐ D. Piedmont plateau

Q.46 According to the Census of India 2011, what was the sex ratio (number of females per 1,000 males) among the Scheduled Tribe (ST) population in India?

- Ans**
- ☒ A. 990
 - ☐ B. 970
 - ☐ C. 950
 - ☐ D. 1,010

Q.47 The work 'Panchasiddhantika', which deals with astronomy, was written in the sixth century by:

- Ans**
- ☐ A. Brahmagupta
 - ☒ B. Varahamihira
 - ☐ C. Aryabhata
 - ☐ D. Kalidasa

Q.48 The Gateway of India was built to commemorate the visit of:

- Ans**
- ☒ A. George V and Queen Mary
 - ☐ B. Queen Victoria
 - ☐ C. Queen Elizabeth II
 - ☐ D. Prince Charles

Q.49 In collaboration with UNICEF, the Government of Telangana developed the city-level action plan "CLAP for Children" for which city?

- Ans**
- ☐ A. Karimnagar
 - ☐ B. Nalgonda
 - ☒ C. Hyderabad
 - ☐ D. Ranga Reddy

Q.50 Which of the following is NOT a directive mentioned in Article 39 of the Indian Constitution?

- Ans**
- ☐ A. Equal pay for equal work for both men and women
 - ☒ B. Promotion of international trade relations
 - ☐ C. Prevention of exploitation of childhood and youth
 - ☐ D. Protection of the strength and health of workers

Q.51 When electricity is passed through an aqueous solution of sodium chloride (called brine), it decomposes to form sodium hydroxide. This process is called:

- Ans**
- ☐ A. Filtration process
 - ☒ B. Chlor-alkali process
 - ☐ C. Polymerisation process
 - ☐ D. Sublimation process

Q.52 Which Part and Schedule of the Constitution of India deals with Municipalities?

- Ans**
- ☐ A. Part IX and 12th Schedule
 - ☐ B. Part IX and 11th Schedule
 - ☐ C. Part IXA and 11th Schedule
 - ☒ D. Part IXA and 12th Schedule

Q.53 The Atal Pension Yojana, introduced as a social security measure in the post-1991 reform period, is available for individuals in which age group?

- Ans**
- ☒ A. 18-40 years
 - ☐ B. 21-50 years
 - ☐ C. 21-60 years
 - ☐ D. 18-60 years

Q.54 A country with a high birth rate and a high death rate typically reflects:

- Ans**
- ☐ A. Post-industrial society
 - ☒ B. Early stage of demographic transition
 - ☐ C. Low dependency ratio
 - ☐ D. Advanced economy

Q.55 A certain software component is critical for memory management and process scheduling, allowing multiple programs to run concurrently, and it is the first program loaded by the boot process. It generally operates in a privileged mode (kernel mode). Based on this description, which category of software does this component belong to?

- Ans**
- ☐ A. Utility Software
 - ☒ B. System Software
 - ☐ C. Driver Software
 - ☐ D. Application Software

Q.56 Which country topped the Henley Passport Index 2025?

- Ans**
- ☐ A. Japan
 - ☐ B. China
 - ☒ C. Singapore
 - ☐ D. Germany

Q.57 Which Amendment limited the Council of Ministers size to fifteen percent of total Lok Sabha strength?

- Ans**
- ☐ A. 99th Amendment
 - ☐ B. 86th Amendment
 - ☒ C. 91st Amendment
 - ☐ D. 42nd Amendment

Q.58 According to the Union Budget 2025-26, how many districts will be initially covered under the 'Prime Minister Dhan-Dhaanya Krishi Yojana-Developing Agri Districts Programme'?

- Ans**
- ☐ A. 75
 - ☐ B. 111
 - ☐ C. 51
 - ☒ D. 100

Q.59 Government of India created the Rural Infrastructure Development Fund (RIDF) in NABARD in 1995-96, with an initial corpus of:

- Ans**
- ☒ A. ₹2,000 crore
 - ☐ B. ₹5,000 crore
 - ☐ C. ₹3,000 crore
 - ☐ D. ₹4,500 crore

Q.60 The term ROM is an abbreviation for:

- Ans**
- ☐ A. Random Output Module
 - ☐ B. Rapid Optical Media
 - ☐ C. Reusable Operating Machine
 - ☒ D. Read Only Memory

Q.61 Who among the following worked for widow remarriage in India?

- Ans**
- ☒ A. Ishwar Chandra Vidyasagar
 - ☐ B. Jyotiba Phule
 - ☐ C. Bal Gangadhar Tilak
 - ☐ D. Swami Vivekananda

Q.62 The transverse nature of light can be demonstrated using _____.

- Ans**
- ☐ A. Lens
 - ☒ B. Polaroid
 - ☐ C. Prism
 - ☐ D. Mirror

Q.63 Which among the following best represents the change in society from the Early to the Later Vedic period?

- Ans**
- ☐ A. Decline of agriculture and rise in hunting
 - ☒ B. Emergence of a complex varna hierarchy
 - ☐ C. End of religious practices and rituals
 - ☐ D. Shift from settled villages to nomadic life

Q.64 One of the winners of the Goldman Environmental Prize 2025, Semia Gharbi, belongs to which place?

- Ans**
- ☒ A. Tunisia
 - ☐ B. Albania
 - ☐ C. Peru
 - ☐ D. Mongolia

Q.65 Which country's human rights practices report was criticised by Human Rights Watch for omitting categories like LGBT people, persons with disabilities, and freedom of assembly in August 2025?

- Ans**
- ☐ A. India
 - ☐ B. Russia
 - ☐ C. China
 - ☒ D. United States

Q.66 Which combination of SI base units correctly represents the unit of density based on its dimensional formula?

- Ans**
- ☐ A. Gram per litre
 - ☒ B. Kilogram per metre cubed
 - ☐ C. Kilogram per litre
 - ☐ D. Milligram per cubic centimetre

Q.67 Which of the following folk music styles belongs to Sikkim?

- Ans**
- ☐ A. Bihu songs
 - ☐ B. Baul
 - ☒ C. Lepcha
 - ☐ D. Lavani

Q.68 Which of the following courts upheld the government's "Sahyog portal" takedown powers in September 2025?

- Ans**
- ☐ A. Delhi High Court
 - ☐ B. Bombay High Court
 - ☐ C. Calcutta High Court
 - ☒ D. Karnataka High Court

Q.69 The bar at the bottom of the Windows screen that shows open applications is:

- Ans**
- ☐ A. Menu bar
 - ☐ B. Title bar
 - ☐ C. Scroll bar
 - ☒ D. Taskbar

Q.70 In which of the following ways has the private sector contributed to India's industrial growth and global expansion since the economic reforms of 1991?

- Ans**
- ☐ A. Relying solely on government subsidies for expansion
 - ☒ B. Aggressively pursuing global acquisitions and enhancing industrial growth
 - ☐ C. Limiting its activities to non-core industries
 - ☐ D. Restricting industrial growth to maintain a stable economy

Section : **General Intelligence and Reasoning**

Q.71 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FIN KNS PSX UXC ?

- Ans**
- ☒ A. ZCH
 - ☐ B. YSK
 - ☐ C. JKP
 - ☐ D. KLM

Q.72 Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only five people sit between G and O. H sits to the immediate left of O. Only one person sits between H and F. Q sits immediately to the left of L. How many people sit between L and O?

- Ans**
- ☐ A. Two
 - ☐ B. Four
 - ☐ C. One
 - ☒ D. Three

Q.73 In a certain code language, 'BIKE' is coded as '4821' and 'KITE' is coded as '2146'. What is the code for 'B' in the given code language?

- Ans**
- ☒ A. 8
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 4

Q.74 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. TTV
 - ☐ B. ZYB
 - ☐ C. KJM
 - ☐ D. FEH

Q.75 Refer to the following letter series and answer the question. (Counting to be done from left to right only)
(Left) R C X Z H M E D F T B S I K A Q Y O W G U (Right)
How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- Ans**  A. 9
 B. 7
 C. 8
 D. 10

Q.76 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some fishes are watches.
No watch is an octopus.

Conclusions:

- (I) Some fishes are octopus.
(II) Some watches are fishes.

- Ans**  A. Neither conclusion (I) nor (II) follows
 B. Only conclusion (II) follows
 C. Only conclusion (I) follows
 D. Both conclusions (I) and (II) follow

Q.77 All 145 people are standing in a row facing north. Ccd is 24th from the right end while Vks is 26th from the left end. How many people are there between Ccd and Vks?

- Ans**  A. 92
 B. 94
 C. 95
 D. 98

Q.78 The position(s) of how many letters will remain unchanged if each letter in the word SERVANT is arranged in the alphabetical order?

- Ans**  A. 3
 B. 2
 C. 1
 D. 0

Q.79 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

- Ans**  A. FJ-LP
 B. HL-NR
 C. DH-JN
 D. JO-QU

Q.80 What should come in place of '?' in the given series based on the English alphabetical order?

COV ERX GUZ IXB ?

- Ans**  A. LBE
 B. KAD
 C. LAC
 D. MAD

Q.81 Select the triad that follows the same pattern as that followed by the two sets of triads given below. Both triads follow the same pattern.

BATH –HBAT –THBA
TOYS –STOY -YSTO

- Ans
- ☒ A. TOMB -OMTB -MTOB
 - ☒ B. CART - ACTR - CTAR
 - ☒ C. ABLE-EABL-LEAB
 - ☒ D. LOVE- OVEL -VELO

Q.82 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

DF – HJ – LN
GI – KM –OQ

- Ans
- ☒ A. AC – EG – IK
 - ☒ B. EB – IG – NL
 - ☒ C. ME – QK – XQ
 - ☒ D. HI – MP – SU

Q.83 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$558 \times 31 - 18 \div 17 + 321 = ?$$

- Ans
- ☒ A. 3
 - ☒ B. 33
 - ☒ C. 24
 - ☒ D. 16

Q.84 Pqr ranked 71st from the bottom and 39th from the top in his class. How many students are there in his class?

- Ans
- ☒ A. 109
 - ☒ B. 113
 - ☒ C. 107
 - ☒ D. 108

Q.85 Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. No one sits to the left of H. Only four people sit between H and I. Only three people sit to the right of W. Z sits to the immediate left of J. Y is not an immediate neighbor of W. How many people sit between Y and W?

- Ans
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Two

Q.86 In a certain code language, 'depth salad road' is coded as ' ok oh wc' and 'salad shirt rat' is coded as 'ut cu oh'. How is 'salad' coded in the given language?

- Ans
- ☒ A. ok
 - ☒ B. oh
 - ☒ C. wc
 - ☒ D. ut

Q.87 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. FCZ
 - ☒ B. TQN
 - ☒ C. EBY
 - ☒ D. BZV

Q.88 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All ants are wings. No logs are wings.

Conclusion (I): No logs are ants.

Conclusion (II): Some wings are ants.

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (I) follows
 - ☒ C. Only conclusion (II) follows
 - ☒ D. Neither conclusion (I) nor (II) follows

Q.89 In a certain code language,
A ÷ B means 'A is the son of B',
A # B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D # R & Y + H'?

- Ans**
- ☒ A. Father
 - ☒ B. Son
 - ☒ C. Husband
 - ☒ D. Brother

Q.90 What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$94 \div 5 + 262 - 24 \times 6 = ?$$

- Ans**
- ☒ A. 212
 - ☒ B. 209
 - ☒ C. 210
 - ☒ D. 211

Q.91 What should come in place of the '?' in the given series?

15 22 40 67 105 152 ?

- Ans**
- ☒ A. 210
 - ☒ B. 156
 - ☒ C. 165
 - ☒ D. 167

Q.92 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 200

17, 189

Ans  A. 22, 246

 B. 19, 211

 C. 16, 176

 D. 24, 264

Q.93 Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 4 2 9 3 2 6 8 4 2 8 8 1 6 7 6 5 8 7 5 4 3 4 (Right)

How many such odd digits are there, each of which immediately preceded by an even digit and also immediately followed by an odd digit?

Ans  A. None

 B. Two

 C. One

 D. Three

Q.94 What should come in place of ? in the given series based on the English alphabetical order?

LMO STV ZAC GHJ ?

Ans  A. NNP

 B. MPQ

 C. NPP

 D. NOQ

Q.95 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DGD-ADA

ILI-FIF

Ans  A. ACY-WZW

 B. ADA-WAW

 C. ACY-XAX

 D. ADA-XAX

Q.96 X is the mother of F. F is the sister of T. U is the father of K. K is the son of T. How is X related to K?

Ans  A. Mother's mother

 B. Mother's sister

 C. Sister

 D. Mother

Q.97 Mr. Vasu starts from Point A and drives 25 km towards the north. He then takes a left turn, drives 17 km, turns left and drives 9 km. He then takes a right turn, drives 5 km, turns left and drives 20 km. He then takes a left turn and drives 29 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans  A. 8 km to the north

 B. 9 km to the south

 C. 10 km to the east

 D. 7 km to the west

Q.98 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 163742, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ A. None
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.99 What should come in place of '?' in the given series?
111 114 120 129 ? 156

- Ans**
- ☐ A. 151
 - ☒ B. 141
 - ☐ C. 144
 - ☐ D. 148

Q.100 All 165 people are standing in a row facing north. Rt is 134th from the right end while KI is 18th from the left end. How many people are there between Rt and KI?

- Ans**
- ☐ A. 12
 - ☒ B. 13
 - ☐ C. 14
 - ☐ D. 16



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	19/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Pipes A, B and C can together fill a tank in 6 hours. After working together for 2 hours, C is closed and A and B together fill the remaining part in 7 hours. The time taken (in hours) by C alone to fill the tank is:

- Ans**
- ☒ A. 9
 - ☒ B. 21
 - ☒ C. 12
 - ☒ D. 14

Q.2 Which of the following are true to construct a quadrilateral uniquely?
 (i) Rhombus and square can be constructed when 2 diagonals are given.
 (ii) The lengths of 2 adjacent sides and 2 angles are given.
 (iii) The lengths of 3 sides and 1 angle are given.
 (iv) The lengths of 4 sides and 1 diagonal are given.

- Ans**
- ☒ A. (i) and (iv)
 - ☒ B. (ii) and (iv)
 - ☒ C. (ii) and (iii)
 - ☒ D. (i) and (iii)

Q.3 Juhi and Mamta have certain amount of money. If Juhi gives ₹30 to Mamta, Juhi will then have twice as much money as Mamta. However, if Mamta gives ₹10 to Juhi, Juhi will then have four times as much money as Mamta. What is the total amount of money (in ₹) that Juhi and Mamta initially had together?

- Ans**
- ☒ A. 290
 - ☒ B. 300
 - ☒ C. 320
 - ☒ D. 310

Q.4 If the sum of two distinct consecutive prime numbers is 36, what is the product of the two primes?

- Ans**
- ☒ A. 323
 - ☒ B. 361
 - ☒ C. 289
 - ☒ D. 221

Q.5 The sum of the surface areas of two spheres is 12584π sq. cm. The radius of the larger sphere is five times the radius of the smaller sphere. Find the diameter of the larger sphere.

- Ans**
- ☒ A. 110 cm
 - ☐ B. 125 cm
 - ☐ C. 115 cm
 - ☐ D. 120 cm

Q.6 Simplify $\left\{\left(\frac{20}{36}\right) \div \left(\frac{20}{5}\right)\right\} \div \left(\frac{5}{11} \times \frac{22}{15} + \frac{3}{12}\right) + \frac{5}{5} \div \frac{33}{21}$ of $\frac{21}{5}$

- Ans**
- ☐ A. $\frac{11}{24}$
 - ☐ B. $\frac{13}{27}$
 - ☐ C. $\frac{1}{40}$
 - ☒ D. $\frac{10}{33}$

Q.7 An investor's portfolio value decreases by 30% in the first quarter but then increases by 50% in the next quarter. What is the overall percentage change in the portfolio value?

- Ans**
- ☐ A. 20% increase
 - ☐ B. 10% increase
 - ☐ C. 15% decrease
 - ☒ D. 5% increase

Q.8 A shirt costs ₹655. During a sale, its price is reduced by 20%. What is the new price (in ₹) of the shirt?

- Ans**
- ☐ A. 525
 - ☐ B. 527
 - ☐ C. 526
 - ☒ D. 524

Q.9 A sum is invested at 8% per annum, compounded half-yearly. If the amount after one year is ₹10,816, then what was the principal (in ₹)?

- Ans**
- ☐ A. 10,200
 - ☐ B. 10,500
 - ☒ C. 10,000
 - ☐ D. 10,400

Q.10 The sum of two positive numbers is 14 and their product is 45. The positive difference between them is:

- Ans**
- ☐ A. 8
 - ☒ B. 4
 - ☐ C. 7
 - ☐ D. 11

Q.11 A and B can do a piece of work in 12 days and 6 days, respectively. Both work for 2 days and then A leaves. B completed the remaining work alone. The whole work was completed in _____ days.

- Ans**
- ☐ A. 6
 - ☐ B. 3
 - ☐ C. 4
 - ☒ D. 5

Q.12 The LCM of the numbers 15, 10 and 0.4 is:

- Ans**
- ☐ A. 36
 - ☐ B. 34
 - ☐ C. 32
 - ☒ D. 30

Q.13 Which of the following options is the nearest number to 95061 that is divisible by 9?

- Ans**
- ☒ A. 95058
 - ☐ B. 95057
 - ☐ C. 95060
 - ☐ D. 95059

Q.14 The ages of father and son are in the ratio of 12:7. Four years from now, their ages will be in the ratio of 5:3. Find the sum of their present ages.

- Ans**
- ☐ A. 128 years
 - ☒ B. 152 years
 - ☐ C. 119 years
 - ☐ D. 139 years

Q.15 If the ratio of the height of a tower and the length of its shadow on the ground is $\sqrt{3} : 1$, then the angle of elevation of the sun is:

- Ans**
- ☐ A. 65°
 - ☐ B. 45°
 - ☒ C. 60°
 - ☐ D. 30°

Q.16 P sells an item to Q and earns 12% profit. Q sells it to R and earns a profit of ₹26. If the item was sold to R directly by P at the same price, the percentage of profit would have been 25%. The cost price of the item is ₹_____.

- Ans**
- ☐ A. 180
 - ☐ B. 220
 - ☐ C. 250
 - ☒ D. 200

Q.17 A cyclist travels from town A to town B, a distance of 182 km. For the first 84 km, he rides at a certain speed. For the remaining distance (98 km), he increases his speed by 7 km/h and therefore reaches 42 minutes earlier than the time he would have taken if he had travelled the entire distance at the original speed. Find the original speed.

- Ans**
- ☐ A. 21 km/hr
 - ☒ B. 28 km/hr
 - ☐ C. 22.5 km/hr
 - ☐ D. 24 km/hr

Q.18 The radius of the base of a cylinder is 3.5 cm and its curved surface area is 616 cm². Find the volume of the cylinder.

(Take $\pi = \frac{22}{7}$)

- Ans
- ☒ A. 1370 cm³
 - ☒ B. 1024 cm³
 - ☒ C. 1424 cm³
 - ☒ D. 1078 cm³

Q.19 What is the average of prime numbers lying between 5 and 30?

- Ans
- ☒ A. 17
 - ☒ B. 19
 - ☒ C. 21
 - ☒ D. 23

Q.20 A fruit seller uses a faulty balance that reads 900 grams as 1 kg. He sells apples at ₹150 per kg (as per faulty balance). If his purchase price is ₹120 per kg (actual weight), what is his actual profit percentage?

- Ans
- ☒ A. $38\frac{8}{9}\%$
 - ☒ B. $38\frac{4}{9}\%$
 - ☒ C. $37\frac{8}{9}\%$
 - ☒ D. $37\frac{4}{9}\%$

Q.21 ₹1,472 is divided among Rohit, Maya, and Vikas in such a way that if ₹25, ₹52, and ₹18 be deducted from their respective shares, they have money in the ratio 15:19:17. Find Vikas's amount after deduction.

- Ans
- ☒ A. ₹359
 - ☒ B. ₹509
 - ☒ C. ₹559
 - ☒ D. ₹459

Q.22 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 89% and 68%, shop II allows successive discounts of 50% and 51%, shop III allows successive discounts of 25% and 11% and shop IV allows successive discounts of 94%, 49%, and 21% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans
- ☒ A. I
 - ☒ B. IV
 - ☒ C. II
 - ☒ D. III

Q.23 If the cost of 6 chocolates, 12 chocolates, and x chocolates are in proportion such that x is the third proportional, how many chocolates correspond to x?

- Ans
- ☒ A. 24
 - ☒ B. 32
 - ☒ C. 28
 - ☒ D. 26

Q.24 Simplify: $\frac{(3^2 \times 9)^3}{27^2 \times 3^4}$

- Ans
- ☐ A. $\frac{1}{3}$
 - ☐ B. 3
 - ☒ C. 9
 - ☐ D. $\frac{1}{9}$

Q.25 The average of 8 numbers is 43. If each number is decreased by 7, what will the new average be?

- Ans
- ☐ A. 43
 - ☒ B. 36
 - ☐ C. 8
 - ☐ D. 29

Q.26 The mode of the numbers 7, 8, 7, 9, 10 is:

- Ans
- ☒ A. 7
 - ☐ B. 9
 - ☐ C. 10
 - ☐ D. 8

Q.27 Two trains of lengths 100 m and 150 m are moving in opposite directions at 40 km/h and 60 km/h, respectively. Find the time taken by the trains (in seconds) to cross each other.

- Ans
- ☐ A. 8 seconds
 - ☐ B. 9.5 seconds
 - ☒ C. 9 seconds
 - ☐ D. 8.9 seconds

Q.28 The present ages of A and B are in the ratio 5 : 7. After 6 years, the sum of their ages will be 60 years. What is A's present age?

- Ans
- ☐ A. 40 years
 - ☒ B. 20 years
 - ☐ C. 25 years
 - ☐ D. 30 years

Q.29 A wholesaler allows a scheme discount of 25% on an article whose marked price is ₹2,400. The retailer is required to pay the remaining amount in full. What is the net price paid by the retailer?

- Ans
- ☐ A. ₹1,700
 - ☐ B. ₹1,750
 - ☐ C. ₹1,900
 - ☒ D. ₹1,800

Q.30 A sum, when invested at 20% simple interest per annum, amounts to ₹5,040 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 years?

- Ans
- ☐ A. 630
 - ☐ B. 2,520
 - ☐ C. 5,040
 - ☒ D. 1,260

Q.31 Which policy, approved in August 2024, aims to accelerate innovation-driven research and entrepreneurship in high-performance biomanufacturing in India?

- Ans**
- ☐ A. Bio-India 2025
 - ☐ B. GenTech Initiative
 - ☒ C. BioE3
 - ☐ D. BioGrowth Scheme

Q.32 Tribunals under Article 323A (Administrative tribunals) of the Constitution of India can be established by:

- Ans**
- ☐ A. Supreme Courts only
 - ☒ B. Parliament only
 - ☐ C. State legislatures only
 - ☐ D. High Courts only

Q.33 What was the theme for International Mother Language Day 2025?

- Ans**
- ☒ A. Silver Jubilee Celebration of International Mother Language Day
 - ☐ B. Using technology for multilingual learning: Challenges and opportunities
 - ☐ C. Multilingual Education: A necessity to transform education
 - ☐ D. Multilingual education – a pillar of learning and intergenerational learning

Q.34 Consider the following statements:

1. Project Elephant was launched in 1992 to protect elephants in India.
2. Project Tiger was launched in 1973 to conserve tigers in India
3. Sundarbans Biosphere Reserve is located in West Bengal, India.
4. Keoladeo National Park is located in Madhya Pradesh.

Which of the above statements are correct?

- Ans**
- ☐ A. 1, 3, 4
 - ☒ B. 1, 2, 3
 - ☐ C. 2, 3
 - ☐ D. 2, 3, 4

Q.35 The French East India Company's main settlement in India was located at which place?

- Ans**
- ☐ A. Karaikal
 - ☐ B. Chandernagore
 - ☒ C. Pondicherry
 - ☐ D. Mahe

Q.36 Which Article of the Indian Constitution places the most emphasis on reducing income and status disparities?

- Ans**
- ☒ A. Article 38(2)
 - ☐ B. Article 39
 - ☐ C. Article 38(1)
 - ☐ D. Article 36

Q.37 Which of the following is a method specifically used to control particulate air pollution?

- Ans**
- ☒ A. Use of fabric filters to trap dust and fly ash
 - ☐ B. Absorption of gases using liquid scrubbers
 - ☐ C. Catalytic combustion in open furnaces
 - ☐ D. Increasing chimney height without any treatment

Q.38 Which Padma Shri awardee was given the title of Nritya Samragini by Rabindranath Tagore?

- Ans**
- ☐ A. Kanak Rele
 - ☐ B. Sobha Naidu
 - ☒ C. Sitara Devi
 - ☐ D. Balasaraswati

Q.39 Which of the following is the primary association of the Ektara, a folk musical instrument?

- Ans**
- ☐ A. Temple rituals in Odisha
 - ☐ B. Martial arts performances in Chhau dance
 - ☒ C. Folk and devotional string music
 - ☐ D. Court dances of Tamil Nadu

Q.40 Which of the following statements about the Emergency provisions is true?

- Ans**
- ☒ A. Convert the federal system into a unitary one
 - ☐ B. Make India a monarchy
 - ☐ C. Formalise a constitutional amendment
 - ☐ D. Allow federalism to continue

Q.41 In which year was the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) launched?

- Ans**
- ☐ A. 2013-14
 - ☐ B. 2012-13
 - ☐ C. 2014-15
 - ☒ D. 2015-16

Q.42 If a ball is thrown vertically upward, which of the following describes its velocity at the highest point?

- Ans**
- ☐ A. Positive
 - ☐ B. Negative
 - ☐ C. Equal to acceleration due to gravity
 - ☒ D. Zero

Q.43 Uday Shankar, the pioneer of modern dance form, was conferred with which of the following National Awards in 1971?

- Ans**
- ☐ A. Padma Bhushan
 - ☒ B. Padma Vibhushan
 - ☐ C. Padma Shri
 - ☐ D. Jnanpith Award

Q.44 India followed which strategy to reduce dependence on foreign goods after independence?

- Ans**
- ☐ A. Free trade
 - ☐ B. Export-led growth
 - ☒ C. Import substitution
 - ☐ D. Dollarisation

Q.45 Which of the following statements is/are true or false regarding Sleep and Hibernate modes in Windows 11?

- (i) Hibernate saves the session to the hard disk before shutting down, allowing full recovery upon restart.
(ii) Sleep consumes more power than Hibernate because it keeps the RAM powered.

Ans ☒ A. (i) True, (ii) True
☐ B. (i) False, (ii) True
☐ C. (i) True, (ii) False
☐ D. (i) False, (ii) False

Q.46 At the 2025 World Aquatics Championships, which male swimmer set a new world record in the 200 m individual medley (IM) during semifinals?

Ans ☐ A. Shaine Casas
☐ B. Michael Phelps
☒ C. Leon Marchand
☐ D. Luca Urlando

Q.47 During PM Modi's visit to the USA in February 2025, what was the target set under 'Mission 500'?

Ans ☐ A. 500 joint military exercises
☐ B. 500 Indian startups launched in the USA
☒ C. \$500 billion in bilateral trade by 2030
☐ D. 500 defence agreements signed

Q.48 Which of the following is an inland riverine port?

Ans ☐ A. Kochi
☒ B. Kolkata
☐ C. Visakhapatnam
☐ D. Kandla

Q.49 Which of the following elements is malleable and a good conductor of heat and electricity?

Ans ☐ A. Iodine (I)
☒ B. Barium (Ba)
☐ C. Sulfur (S)
☐ D. Neon (Ne)

Q.50 A Local Area Network (LAN) enables resource sharing by connecting devices to the network medium through a specialized adapter called the _____.

Ans ☐ A. Read-Only Memory
☐ B. Graphics Processing Unit
☒ C. Network Interface Card
☐ D. Central Processing Unit

Q.51 Which tree species is most commonly associated with India's tropical deciduous forests?

Ans ☐ A. Pine
☐ B. Fir
☒ C. Teak
☐ D. Oak

Q.52 Consider the following statements regarding the provincial administration in the Mughal period and select the correct option.

Statement I: The subedar was head of the province and responsible for the maintenance of general law and order.

Statement II: The head of the revenue department in the suba was Diwan.

- Ans**
- ☒ A. Both statements I and II are correct.
 - ☐ B. Both statements I and II are incorrect.
 - ☐ C. Statement I is correct, while statement II is incorrect.
 - ☐ D. Statement I is incorrect, while statement II is correct.

Q.53 In Windows 11 File Explorer, which feature is used to quickly locate a file by typing its name?

- Ans**
- ☐ A. Properties
 - ☒ B. Search box
 - ☐ C. Sort
 - ☐ D. View

Q.54 What is the President's primary constitutional duty as per the oath under Article 60?

- Ans**
- ☐ A. Formulate policies for the governance of India
 - ☐ B. Manage finances for the governance of India
 - ☒ C. Preserve, protect and defend the Constitution
 - ☐ D. Control Council of Ministers headed by Prime Minister

Q.55 Which of the following is a landlocked inland river port in India?

- Ans**
- ☐ A. Kandla port
 - ☐ B. Chennai port
 - ☐ C. Mumbai port
 - ☒ D. Pandu port

Q.56 Which of the following best explains the emergence of “megaregions” with extremely high population densities (e.g., Bos Wash, Tokyo-Osaka, Pearl River Delta)?

- Ans**
- ☐ A. Megaregions form primarily because of uniform physical geography
 - ☒ B. They develop due to integrated economic corridors and high connectivity
 - ☐ C. Governments intentionally relocate populations to form megaregions
 - ☐ D. They exist because of high natural population growth in these regions

Q.57 Which highly revered Śvetāmbara Jain text describes the lives of the 24 Tirthaṅkaras, the lineage of pontiffs, and the monastic rules observed during the Paryuṣaṇa festival?

- Ans**
- ☐ A. Kalpa-sutrādham
 - ☐ B. Kalpa-samant
 - ☐ C. Kalpa-yoga
 - ☒ D. Kalpa-sutra

Q.58 What was the primary objective of Pandita Ramabai's work?

- Ans**
- ☒ A. Women's education and empowerment
 - ☐ B. Promoting traditional religious practices
 - ☐ C. Establishing a national army
 - ☐ D. Political independence for India

Q.59 Which Indian city hosted the 23rd Asian Oceanian Congress of Radiology (AOCR) 2025?

Ans ☒ A. Jaipur

☒ B. Chandigarh

☒ C. Chennai

☒ D. Hyderabad

Q.60 In which year was the PM Gati Shakti National Master Plan (NMP) launched in India to ensure integrated planning and coordinated execution of infrastructure projects?

Ans ☒ A. 2022

☒ B. 2021

☒ C. 2024

☒ D. 2023

Q.61 Which statement is True or False about System Software?

(i) The Operating System runs in privileged mode, giving it unrestricted access to hardware.

(ii) Core System Software like device drivers is essential for the computer to start and function.

Ans ☒ A. (i) False, (ii) False

☒ B. (i) False, (ii) True

☒ C. (i) True, (ii) False

☒ D. (i) True, (ii) True

Q.62 Which of the following Constitutional Amendments introduced Part IX related to Panchayats in India?

Ans ☒ A. 44th Amendment

☒ B. 73rd Amendment

☒ C. 42nd Amendment

☒ D. 86th Amendment

Q.63 What was the campaign theme of World Mental Health Day 2025 observed on 10 October?

Ans ☒ A. Mental Health at Work

☒ B. Mental Health in Humanitarian Emergencies

☒ C. Make Mental Health & Well-being for All a Global Priority

☒ D. Mental Health is a Universal Human Right

Q.64 Which Constitutional Article established the office of Special Officer for Linguistic Minorities?

Ans ☒ A. Article 348-A

☒ B. Article 315-B

☒ C. Article 350-B

☒ D. Article 338-A

Q.65 In 1309 CE, Malik Kafur invaded which of the following kingdoms in South India?

Ans ☒ A. Hoysala Kingdom

☒ B. Yadava Kingdom

☒ C. Kakatiya Kingdom

☒ D. Pandya Kingdom

Q.66 When Barium Chloride (BaCl_2) solution is mixed with Sodium Sulfate (Na_2SO_4) solution, a white product Barium Sulfate (BaSO_4) is formed. This product is known as a _____.

- Ans**
- ☐ A. Isotope
 - ☐ B. Isomer
 - ☐ C. Emulsion
 - ☒ D. Precipitate

Q.67 As per the RBI's announcement on December 5, 2025, what is the revised GDP growth projection for India for FY 2025–26?

- Ans**
- ☐ A. 7%
 - ☐ B. 7.1%
 - ☒ C. 7.3%
 - ☐ D. 7.2%

Q.68 What was Raja Ram Mohan Roy's greatest social achievement?

- Ans**
- ☐ A. Abolition of child marriage
 - ☒ B. Abolition of Sati in 1829
 - ☐ C. Promoting English education
 - ☐ D. Founding the Indian National Congress

Q.69 According to the Union Budget 2025-26, what is the total estimated expenditure for the year?

- Ans**
- ☐ A. ₹40 lakh crore
 - ☒ B. ₹50.65 lakh crore
 - ☐ C. ₹55 lakh crore
 - ☐ D. ₹45 lakh crore

Q.70 In the context of periodicity, elements in the same group tend to display similar chemical properties. Which primary factor is responsible for this similarity among group members?

- Ans**
- ☒ A. Similar valence electronic configuration
 - ☐ B. Identical atomic numbers
 - ☐ C. Similar atomic masses
 - ☐ D. Constant atomic radius

Section : General Intelligence and Reasoning

Q.71 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. BCDF
 - ☒ B. UVWX
 - ☐ C. HIJL
 - ☐ D. OPQS

Q.72 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FJI JNM NRQ RVU ?

- Ans**
- ☐ A. VWY
 - ☒ B. VZY
 - ☐ C. VAX
 - ☐ D. VYX

Q.73 In a certain code language, 'CONE' is coded as '1536' and 'NOTE' is coded as '3146'. What is the code for 'T' in the given code language?

- Ans
- ☐ A. 6
 - ☐ B. 1
 - ☐ C. 3
 - ☒ D. 4

Q.74 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

43 D 28 C 35 A 7 B 11 = ?

- Ans
- ☐ A. 73
 - ☐ B. 74
 - ☒ C. 70
 - ☐ D. 71

Q.75 Seven boxes F,G,H,I,J,K and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between J and G. Only three boxes are kept between J and K. K is kept at some place above G. S is kept immediately below K. F is kept at one of the places above I. H is not kept immediately above or below J. How many boxes are kept between H and J?

- Ans
- ☐ A. One
 - ☒ B. Four
 - ☐ C. Two
 - ☐ D. Three

Q.76 In a certain code language,
A ÷ B means 'A is the son of B',
A # B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D & R + Y # H'?

- Ans
- ☐ A. Brother
 - ☐ B. Wife's father
 - ☐ C. Father
 - ☒ D. Wife's brother

Q.77 Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only two people sit to the right of E. Only two people sit between E and C. Only two people sit between T and S. S sits to the immediate left of E. K sits to the immediate right of R. Who sits at the third position from the left end of the line?

- Ans
- ☐ A. S
 - ☐ B. E
 - ☒ C. I
 - ☐ D. K

Q.78 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ A. YBX
 - ☐ B. NQM
 - ☒ C. UYT
 - ☐ D. JMI

Q.79 What should come in place of the '?' in the given series?

4 12 36 108 ? 972

- Ans ☒ A. 324
☐ B. 323
☐ C. 322
☐ D. 321

Q.80 The position(s) of how many letters will remain unchanged if each letter in the word DEPARTS is arranged in the English alphabetical order?

- Ans ☐ A. 0
☐ B. 3
☒ C. 1
☐ D. 2

Q.81 If '+' means '-', '-' means 'x', 'x' means '÷', and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$54 - 2 \div 120 \times 2 + 85 = ?$$

- Ans ☐ A. 85
☒ B. 83
☐ C. 86
☐ D. 88

Q.82 P is the sister of Q. Q is the brother of S. T is the father of X. X is the son of S. How is X related to P?

- Ans ☐ A. Brother's son
☐ B. Daughter's son
☐ C. Son
☒ D. Sister's son

Q.83 Seven boxes L, M, N, O, P, Q and R are kept one over the other but not necessarily in the same order. Box Q is kept immediately above N. Exactly two boxes are kept between L and N. L is kept on one of the positions above N. O is placed at the topmost position. Exactly two boxes are kept between M and P. Only one box is kept below P. R is kept on one of the positions below N. How many boxes are kept between Q and R?

- Ans ☐ A. Three
☐ B. None
☒ C. Two
☐ D. One

Q.84 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(27, 12, 322)
(24, 13, 310)

- Ans ☒ A. (31, 8, 246)
☐ B. (29, 10, 292)
☐ C. (34, 9, 308)
☐ D. (32, 7, 224)

Q.85 Shreya starts from Point A and drives 22 km towards the north. He then takes a right turn, drives 24 km, turns right and drives 28 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 5 km to the east
 - ☒ B. 6 km to the east
 - ☒ C. 7 km to the west
 - ☒ D. 3 km to the east

Q.86 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some engineers are designers. All designers are creators.

Conclusions:

(I) All creators are engineers.

(II) Some engineers are creators.

- Ans**
- ☒ A. Neither conclusion (I) nor (II) follows
 - ☒ B. Both conclusions (I) and (II) follow
 - ☒ C. Only conclusion (II) follows
 - ☒ D. Only conclusion (I) follows

Q.87 Each vowel in the word 'SCRAMBLE' is changed to the second letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which letter will appear exactly twice in the group of the letters thus formed?

- Ans**
- ☒ A. C
 - ☒ B. N
 - ☒ C. S
 - ☒ D. M

Q.88 In a certain code language, 'queen dirt world' is coded as 'ya yo mq' and 'world bat law' is coded as 'yo uj zs'. How is 'world' coded in that language? (All codes are two-letter codes.)

- Ans**
- ☒ A. mq
 - ☒ B. yo
 - ☒ C. uj
 - ☒ D. ya

Q.89 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JCT 6 NGQ -7 RKN -20 VOK -33 ?

- Ans**
- ☒ A. ZXD -44
 - ☒ B. ZSH -46
 - ☒ C. ZDX -45
 - ☒ D. ZCD -54

Q.90 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cherries are bats.
No bat is an orange.

Conclusions:

(I) No cherry is an orange.
(II) Some oranges are bats.

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (II) follows
 - ☒ C. Only conclusion (I) follows
 - ☒ D. Neither conclusion (I) nor (II) follows

Q.91 Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only two people sit to the right of T. Only two people sit between T and B. Only two people sit between A and Z. Z sits to the immediate left of T. O sits to the immediate right of D. Who sits immediately to the right of J?

- Ans**
- ☒ A. D
 - ☒ B. B
 - ☒ C. J
 - ☒ D. Z

Q.92 Each of the digits in the number 6534217 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. TWO
 - ☒ B. NONE
 - ☒ C. ONE
 - ☒ D. THREE

Q.93 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HM - JR - LW
UL - WQ - YV

- Ans**
- ☒ A. CF - GK - HP
 - ☒ B. CF - EK - GP
 - ☒ C. GP - EK - SV
 - ☒ D. GP - JK - CE

Q.94 WSPQ is related to SPNN in a certain way based on the English alphabetical order. In the same way, TQNL is related to PNLK . To which of the following is MKHI related, following the same logic?

- Ans**
- ☒ A. IHFH
 - ☒ B. TYWD
 - ☒ C. IGEF
 - ☒ D. IGDE

Q.95 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

FA - HC - JL
ID - KF - MO

- Ans** ☒ A. MH - OJ - QS
☐ B. NH - OI - QR
☐ C. NH - OJ - QR
☐ D. MH - OJ - QR

Q.96 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☐ A. KP – GL
☐ B. ZW – VS
☐ C. ME – IA
☒ D. RF – NC

Q.97 What should come in place of '?' in the given series?
871 791 721 661 611 ?

- Ans** ☒ A. 571
☐ B. 501
☐ C. 523
☐ D. 539

Q.98 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 5 3 5 1 5 4 1 2 9 1 1 7 4 8 7 6 6 8 1 5 6 4 1 1 6 6 4 (Right)
How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☐ A. 5
☐ B. 3
☐ C. 6
☒ D. 4

Q.99 All 193 people are standing in a row facing north. Ccd is 14th from the right end while Vks is 124th from the left end. How many people are there between Ccd and Vks?

- Ans** ☐ A. 52
☒ B. 55
☐ C. 54
☐ D. 53

Q.100 What should come in place of ? in the given series based on the English alphabetical order?
QMO NJL KGI HDF ?

- Ans** ☐ A. EZB
☒ B. EAC
☐ C. EBB
☐ D. EFH



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	19/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 ஒரு பழச்சாறு தயாரிக்க 2 லிட்டர் ஆரஞ்சுச் சாற்றுடன் 5 லிட்டர் தண்ணீர் சேர்க்கப்படுகிறது. 5 லிட்டர் ஆரஞ்சுச் சாறு பயன்படுத்தினால், அதற்குத் தேவைப்படும் தண்ணீரின் அளவு எவ்வளவு?

- Ans ☒ A. 12.5 லிட்டர்
☒ B. 15.5 லிட்டர்
☒ C. 10 லிட்டர்
☒ D. 18 லிட்டர்

Q.2 9 தொழிலாளர்களுக்கு 8 நாட்களுக்கான ஊதியம் ₹2,880 எனில், அதே வீதத்தில் 15 தொழிலாளர்களுக்கு 9 நாட்களுக்கான ஊதியம் என்னவாக இருக்கும்?

- Ans ☒ A. ₹3,600
☒ B. ₹3,520
☒ C. ₹3,880
☒ D. ₹5,400

Q.3 3, 7.2 மற்றும் 0.64 ஆகிய எண்களின் மீ.பொ.ம (LCM) _____ ஆகும்.

- Ans ☒ A. 96
☒ B. 153
☒ C. 144
☒ D. 72

Q.4 7 அடுத்தடுத்த இரட்டைப்படை எண்களின் சராசரி 32 ஆகும். மிகச்சிறிய மற்றும் மிகப்பெரிய எண்களின் கூட்டுத்தொகையைக் கண்டறியவும்.

- Ans ☒ A. 66
☒ B. 64
☒ C. 68
☒ D. 62

Q.5 ஒரு குடும்பத்தின் மாத வருமானம் 10% அதிகரிக்கிறது; ஆனால் அவர்களின் மாதச் செலவு 20% உயருகிறது. அக்குடும்பத்தின் ஆரம்ப மாத வருமானம் ₹45,000 ஆகவும் மற்றும் மாதச் செலவு ₹36,000 ஆகவும் இருந்ததெனில், உயர்விற்குப் பிறகு புதிய மாதச் சேமிப்பு எவ்வளவு?

- Ans
- ☒ A. ₹6,200
 - ☒ B. ₹6,300
 - ☒ C. ₹6,400
 - ☒ D. ₹6,500

Q.6 ABCD என்பது ஒரு நாற்கரமாகும்; இதில் $AB \parallel DC$ ஆக உள்ளது. மற்றும் E மற்றும் F ஆகியவை முறையே மூலைவிட்டங்கள் AC மற்றும் BD-யின் நடுப்புள்ளிகளாகவும் உள்ளன. $AB = 23 \text{ cm}$, $BC = 91 \text{ cm}$, $DC = 35 \text{ cm}$ மற்றும் $AD = 62 \text{ cm}$ எனில், EF இன் நீளம் (cm இல்) என்ன?

- Ans
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 7

Q.7 The total surface area of a cube having side 64 cm is:

- Ans
- ☒ A. $24,528 \text{ cm}^2$
 - ☒ B. $24,576 \text{ cm}^2$
 - ☒ C. $24,548 \text{ cm}^2$
 - ☒ D. $24,589 \text{ cm}^2$

Q.8 ஒரு குறிப்பிட்ட தொகையானது, ஆண்டுக்கு 8% என்ற தனிவட்டி வீதத்தில் 9 மாதங்களுக்கு முதலீடு செய்யப்படுகின்றது. ஈட்டப்பட்ட வட்டியானது ₹18,000 எனில், முதலீடு செய்யப்பட்ட அசல் தொகை எவ்வளவு?

- Ans
- ☒ A. ₹3,50,000
 - ☒ B. ₹4,00,000
 - ☒ C. ₹3,00,000
 - ☒ D. ₹2,50,000

Q.9 ஒட்டுமொத்தமாக பூமியில் நிலம் மற்றும் நீர் ஆகியவற்றிற்கு இடையேயான விகிதம் 1:3 ஆகும். வட அரைக்கோளத்தில் இந்த விகிதம் 2:5 என உள்ளது. வட மற்றும் தென் அரைக்கோளங்களின் பரப்பளவுகள் சமம் எனில், தென் அரைக்கோளத்தில் நிலம் மற்றும் நீர் ஆகியவற்றிற்கு இடையேயான விகிதத்தைக் காண்க

- Ans
- ☒ A. 11:7
 - ☒ B. 7:5
 - ☒ C. 1:5
 - ☒ D. 3:11

Q.10 ஒரு பொருள் 38% லாபத்தில் விற்கப்படுகிறது. அதன் அடக்கவிலை ₹20 அதிகரித்து மற்றும் விற்பனை விலை ₹45 குறைக்கப்படுகிறது எனில், லாபம் 37.5% ஆக இருக்கும். அந்தப் பொருளின் அசல் அடக்கவிலை (₹ இல்) என்ன?

- Ans
- ☒ A. 14,300
 - ☒ B. 14,400
 - ☒ C. 14,700
 - ☒ D. 14,500

Q.11 3 ஆல் வகுபடும்போது 2 ஐ மீதியாகவும், 4 ஆல் வகுபடும்போது 3 ஐ மீதியாகவும், மேலும் 5 ஆல் வகுபடும்போது 4 ஐ மீதியாகவும் கொடுக்கக்கூடிய மிகச்சிறிய மிகை முழு எண்ணைக் காண்க.

- Ans ☒ A. 53
☒ B. 50
☒ C. 69
☒ D. 59

Q.12 நான்கு ஆண்டுகளுக்கு முன்பு, ரவியின் வயது கவிராஜின் வயதைப் போல மூன்று மடங்காக இருந்தது. தற்போது, ரவியின் வயது கவிராஜின் வயதைப் போல இரண்டு மடங்காக உள்ளது. எனில், ரவியின் தற்போதைய வயதைக் காண்க.

- Ans ☒ A. 8 ஆண்டுகள்
☒ B. 16 ஆண்டுகள்
☒ C. 14 ஆண்டுகள்
☒ D. 10 ஆண்டுகள்

Q.13 3,000 லிட்டர் கொள்ளளவு கொண்ட ஒரு தொட்டியை, C மற்றும் D ஆகிய குழாய்கள் முறையே 6 மணிநேரம் மற்றும் 4 மணிநேரத்தில் நிரப்ப முடியும். எனில், இவ்விரண்டு குழாய்களும் இணைந்து செயல்பட்டால், 6,000 லிட்டர் கொள்ளளவு கொண்ட ஒரு தொட்டியை நிரப்ப எத்தனை மணிநேரம் ஆகும்?

- Ans ☒ A. 4.44 மணி நேரம்
☒ B. 4.8 மணி நேரம்
☒ C. 3.5 மணி நேரம்
☒ D. 6 மணி நேரம்

Q.14 $31 \times 13 + 18 \times 86 - 86 = y$, என்றால், y இன் மதிப்பு என்ன?

- Ans ☒ A. 1765
☒ B. 1665
☒ C. 1965
☒ D. 1865

Q.15 ஒரு எண்ணானது இரு பகுதிகளாகப் பிரிக்கப்படுகிறது; எவ்வாறெனில், அவற்றில் ஒரு பகுதியானது, மற்றொரு பகுதியைவிட 10 அதிகமாக உள்ளது. அவற்றின் விகிதம் 6:4 எனில், அந்த எண்ணின் இரண்டு பகுதிகள் யாவை?

- Ans ☒ A. 34 மற்றும் 24
☒ B. 32 மற்றும் 22
☒ C. 32 மற்றும் 20
☒ D. 30 மற்றும் 20

Q.16 சூரியனின் ஏற்றக்கோணம் 60° யிலிருந்து 45° ஆக மாறும்போது, ஒரு கோபுரத்தின் நிழலின் நீளம் 20 m அதிகரிக்கிறது. அக்கோபுரத்தின் உயரத்தைக் (ஒரு தசம இடத்திற்கு முழுமையாக்கி, n இல்) கண்டறியவும். ($\sqrt{3} = 1.7$ எனப் பயன்படுத்துக).

- Ans ☒ A. 48.6
☒ B. 17.4
☒ C. 24.7
☒ D. 27.5

Q.17 A மற்றும் B ஆகியோர் ஒரு வேலையை முறையே 12 நாட்களிலும், 20 நாட்களிலும் செய்து முடிக்க முடியும். இருவரும் ஒன்றாக அந்த வேலையை 3 நாட்கள் செய்தபின்னர், A ஆனவர் வெளியேறுகிறார். எனில், B ஆனவர், மீதமுள்ள வேலையை முடிக்க எவ்வளவு காலம் (நாட்களில்) எடுப்பார்?

- Ans ☒ A. 12
☒ B. 13
☒ C. 11
☒ D. 14

Q.18 ஒரு பொருள் 20% லாபத்தில் விற்கப்படுகிறது. அதன் விற்பனை விலையை 10% குறைத்தால், லாப சதவீதம் என்னவாக இருக்கும்?

- Ans ☒ A. 6%
☒ B. 12%
☒ C. 8%
☒ D. 20%

Q.19 ஒரு ஒழுங்குப் பலகோணம் 45 பக்கங்களைக் கொண்டுள்ளது, மற்றும் அதன் ஒவ்வொரு பக்கத்தின் நீளமும் 2 cm நீளம் எனில், அப்பலகோணத்தின் பரப்பளவு (cm^2 இல்) என்ன?

- Ans ☒ A. 45
☒ B. $45 \cos(4^\circ)$
☒ C. $45 \tan(4^\circ)$
☒ D. $45 \cot(4^\circ)$

Q.20 ஒருவர் ஒரு குறிப்பிட்ட தொலைவை ரயில் மூலம் கடக்கிறார். அந்த இரயிலானது வழக்கமான வேகத்தை விட 14 km/hr கூடுதல் வேகத்தில் சென்றிருந்தால், பயண நேரம் 35 நிமிடங்கள் குறைந்திருக்கும். அதுவே, 10 km/hr குறைவான வேகத்தில் சென்றிருந்தால், பயண நேரம் 30 நிமிடங்கள் கூடுதலாக இருந்திருக்கும். எனில், அந்த ரயில் கடந்த மொத்தத் தொலைவைக் கண்டறியவும்.

- Ans ☒ A. 780 km
☒ B. 480 km
☒ C. 720 km
☒ D. 560 km

Q.21 ஒரு இயந்திரத்தின் விலை 20% அதிகரிக்கிறது. தேவை வீழ்ச்சி அடைந்ததன் காரணமாக, அதிகரித்த விலை 25% குறைக்கப்படுகிறது. இறுதியாக, விலை மீண்டும் 10% அதிகரிக்கிறது. எனில், இயந்திரத்தின் விலையில் ஏற்பட்ட ஒட்டுமொத்த சதவீத மாற்றம் என்ன?

- Ans ☒ A. 1% குறைவு
☒ B. 1.1% குறைவு
☒ C. 1% அதிகரிப்பு
☒ D. 1.1% அதிகரிப்பு

Q.22 ஒரு தொழிற்சாலை A, B மற்றும் C ஆகிய மூன்று வகையான விட்ஜெட்டுக்களை உற்பத்தி செய்கிறது. ஒரு வாரத்தில், A இன் 12 அலகுகள் (சராசரியாக ஒவ்வொன்றும் தலா 47 kg எடை கொண்டவை), B இன் 8 அலகுகள் (சராசரியாக ஒவ்வொன்றும் தலா 62 kg எடை கொண்டவை) மற்றும் C இன் 15 அலகுகள் (சராசரியாக ஒவ்வொன்றும் தலா 53 kg எடை கொண்டவை) உற்பத்தி செய்யப்படுகின்றன எனில், அந்த வாரத்தில் உற்பத்தி செய்யப்பட்ட விட்ஜெட்டுகளின் எடையிட்ட சராசரி எடையைக் (Weighted Average Weight) காண்க?

- Ans ☒ A. 54 kg
☒ B. 53 kg
☒ C. 51 kg
☒ D. 52.5 kg

Q.23 ஒரு வாடிக்கையாளர் ஆன்லைனில் ₹1,000 மதிப்புள்ள உணவை ஆர்டர் செய்கிறார். உணவு டெலிவரி செயலி பில்லின் மீது 20 % பிளாட் விளம்பர தள்ளுபடியை (flat promotional discount) வழங்குகிறது. இந்த தள்ளுபடிக்குப் பிறகு, பில் தொகை ₹650 முதல் ₹800 வரை (இரண்டும் உட்பட) இருந்தால், அந்த பில்லின் மீது 5 % கூடுதல் தள்ளுபடி பயன்படுத்தப்படும். அனைத்து ஆர்டர்களும் ₹80 என்ற நிலையான டெலிவரி கட்டணத்தை (fixed delivery charge) உள்ளடக்கியது என்றால், வாடிக்கையாளர் செலுத்த வேண்டிய இறுதி தொகை என்ன?

- Ans ☒ A. ₹760
☒ B. ₹900
☒ C. ₹800
☒ D. ₹840

Q.24 A student adds $\frac{3}{5}$ unit of a solution, then adds 0.4 unit of the same solution, and finally removes $\frac{1}{10}$ unit. What is the net change in the quantity of the solution?

- Ans ☒ A. decrease of 1.5 unit
☒ B. increase of 0.9 unit
☒ C. decrease of 0.8 unit
☒ D. increase of 1.0 unit

Q.25 ஆண்டுக்கு ஒரு முறை கூட்டப்படும் ஒரு கூட்டுவட்டி வீதத்தில், ₹25,600 என்ற தொகைக்கு, ஆண்டுக்கு $12\frac{1}{2}\%$ வீதம் என்ற கூட்டு வட்டி வீதத்தில் 2 ஆண்டுகள் 3 மாதங்களுக்கான கூட்டு வட்டியைக் கண்டறியவும்.

- Ans ☒ A. ₹8,650.50
☒ B. ₹10,580.50
☒ C. ₹7,812.50
☒ D. ₹9,750.50

Q.26 A, B மற்றும் C ஆகியோர் ஒரு தொழிலில் கூட்டாளிகள். 4 மாதங்கள் முதலீடு செய்துள்ள A, மொத்த லாபத்தில் $\frac{1}{8}$ பங்கை அவர் பெறுவதாகக் கூறுகிறார். 6 மாதங்கள் முதலீடு செய்துள்ள B, மொத்த லாபத்தில் $\frac{1}{8}$ பங்கை அவர் பெறுவதாகக் கூறுகிறார். C என்பவர் ₹1560-என்ற தொகையை 8 மாதங்களுக்கு முதலீடு செய்துள்ளார் எனில், A பங்களிப்பு செய்த தொகை எவ்வளவு?

- Ans ☒ A. ₹690
☒ B. ₹794
☒ C. ₹810
☒ D. ₹720

Q.27 ஒரு கார் சீரான வேகத்தில், 360 km தூரத்தை 8 மணி நேரத்தில் கடக்கிறது. அதன் வேகத்தை மீட்டர்/விநாடியில் காண்க.

- Ans
- ☒ A. 13 m/s
 - ☒ B. 12 m/s
 - ☒ C. 12.5 m/s
 - ☒ D. 13.5 m/s

Q.28 சுருக்குக:

$$\left\{ \left(\frac{13}{33} \right) \div \left(\frac{13}{7} \right) \right\} \div \left(\frac{2}{8} \times \frac{16}{6} + \frac{5}{11} \right) + \frac{7}{3} \div \frac{37}{20} \text{ of } \frac{20}{3}$$

- Ans
- ☒ A. $\frac{19}{44}$
 - ☒ B. $\frac{17}{29}$
 - ☒ C. $\frac{17}{42}$
 - ☒ D. $\frac{14}{37}$

Q.29 இரண்டு மிகை எண்களின் கூட்டுத்தொகை 13 மற்றும் அவற்றின் பெருக்கற்பலன் 30 ஆகும். எனில், அவற்றுக்கிடையேயான நேர்மறை வித்தியாசம் _____ ஆகும்.

- Ans
- ☒ A. 8
 - ☒ B. 7
 - ☒ C. 12
 - ☒ D. 9

Q.30 ஒரு வியாபாரி ஒரு குறிப்பிட்ட ரகக் காற்சட்டைகளின் மீது "இரண்டு வாங்கினால் ஒன்று இலவசம்" என்ற சலுகையை வழங்குகிறார். ஒரு காற்சட்டையின் குறிக்கப்பட்ட விலை ₹2,700 ஆகும். இந்தச் சலுகைக்குப் பிறகும் அந்த வியாபாரி 20% லாபம் ஈட்டுகிறார் எனில், ஒரு காற்சட்டையின் அடக்க விலையை காண்க

- Ans
- ☒ A. ₹ 1,500
 - ☒ B. ₹ 1,450
 - ☒ C. ₹ 1,600
 - ☒ D. ₹ 1,550

Section : General Awareness

Q.31 பின்வருபவர்களுள், பண்டைய இந்தியாவில் மிகவும் புகழ்பெற்ற இந்தோ-கிரேக்க மன்னர் யார்?

- Ans
- ☒ A. புஷ்யமித்ரர்
 - ☒ B. ருத்திரதாமன்
 - ☒ C. அலெக்சாண்டர்
 - ☒ D. மெனாண்டர்

Q.32 இந்தியத் துணைக்கண்டத்தின் தாமோதர் பள்ளத்தாக்கு, பெரும்பாலும் எந்தக் கனிமப் படிவில் செழித்து விளங்குகிறது?

- Ans
- ☐ A. சுண்ணாம்புக் கல்
 - ☐ B. இரும்பு
 - ☐ C. மெக்னீசியம்
 - ☒ D. நிலக்கரி

Q.33 ஹைட்ரஜன் அயனிகள் தனியாக இருக்க முடியாததால், அவை நீர் மூலக்கூறுகளுடன் இணைந்த பிறகு காணப்படுகின்றன. எனவே, இவை எப்போதும், பின்வருவனவற்றுள் எதை, H_3O^+ எனக் குறியிடப்பட வேண்டும்?

- Ans
- ☒ A. ஹைட்ரோனியம் அயனி
 - ☐ B. ஹைட்ராக்சைடு அயனி
 - ☐ C. ஹைட்ரஜன் வாயு
 - ☐ D. ஆக்சைடு அயனி

Q.34 மத்திய வரவு செலவுத் திட்டம் 2025-26-இன் படி, அரசாங்கம் ஒரு கடல்சார் மேம்பாட்டு நிதியத்தை (Maritime Development Fund) எவ்வளவு மூலதன நிதியுடன் (corpus) நிறுவுவதாக அறிவித்தது?

- Ans
- ☐ A. ₹20,000 கோடி
 - ☒ B. ₹25,000 கோடி
 - ☐ C. ₹30,000 கோடி
 - ☐ D. ₹35,000 கோடி

Q.35 ஆகஸ்ட் 2025 இல், அசாம் மற்றும் மணிப்பூர் மாநில அதிகாரிகளுடன் இணைந்து இந்திய இராணுவத்தால் அசாமின் தின்சுகியா (Tinsukia) மாவட்டத்தில் உள்ள லைபுலியில் தொடங்கப்பட்ட 'சமன்வாய் சக்தி' (Samanvay Shakti) பயிற்சியின் முக்கிய நோக்கம் என்னவாக இருந்தது?

- Ans
- ☒ A. பாதுகாப்புப் படைகள், அரசுத் துறைகள் மற்றும் குடிமை நிறுவனங்களுக்கு இடையே ஒருங்கிணைப்பை வளர்ப்பதற்கான இராணுவ-குடிமை (Military-civil integration) ஒருங்கிணைப்பு.
 - ☐ B. பயங்கரவாத எதிர்ப்பு நடவடிக்கைகளுக்காக இந்தியாவிற்கும் நட்பு வெளிநாடுகளுக்கும் இடையிலான கூட்டு இராணுவப் பயிற்சி
 - ☐ C. இந்தியா-மியான்மர் ராணுவ ஒத்துழைப்பை வலுப்படுத்தும் நோக்கில் எல்லைப் பாதுகாப்புப் பயிற்சி
 - ☐ D. நிலநடுக்கம் மற்றும் வெள்ளப் பேரிடர் ஆயத்தநிலைக்கான முக்கியக் கவனத்துடன் கூடிய பெருமளவிலான பேரிடர் மேலாண்மை ஒத்திகை.

Q.36 2025 பிரிக்ஸ் (BRICS) வேளாண்மை அமைச்சர்களின் உச்சி மாநாட்டை நடத்திய நாடு எது?

- Ans
- ☒ A. பிரேசில்
 - ☐ B. எகிப்து
 - ☐ C. வியட்நாம்
 - ☐ D. அர்ஜென்டினா

Q.37 To which Hindu deity is the Sun Temple at Konark dedicated?

- Ans
- ☒ A. Surya
 - ☐ B. Vishnu
 - ☐ C. Brahma
 - ☐ D. Shiva

Q.38 பின்வருவனவற்றில் எது இந்தியாவின் 1991 பொருளாதார சீர்திருத்தங்களின் முதன்மையான நோக்கங்களில் ஒன்றாகும்?

- Ans ☒ A. உலகளாவிய சந்தைகளுக்குப் பொருளாதாரத்தைத் திறத்தல்
- ☒ B. இறக்குமதித் தடைகளை வலுப்படுத்துதல்
- ☒ C. பொதுத்துறையின் ஆதிக்கத்தை ஊக்குவித்தல்
- ☒ D. வேளாண்மையில் தன்னிறைவு அடைதல்

Q.39 பின்வருவனவற்றுள் எது, தீவிர எரிமலை செயல்பாட்டின் ஒரு மைய பிளவு மண்டலத்துடன் கூடிய, மூழ்கிய மலைத்தொடர்களின் ஒன்றோடொன்று இணைக்கப்பட்ட ஒரு சங்கிலியாக வகைப்படுத்தப்பட்டதாகும்?

- Ans ☒ A. கண்டச் சரிவு (Continental slope)
- ☒ B. ஆழ்கடல் சமவெளி (Abyssal plains)
- ☒ C. நடுக்கடல் முகடுகள் (Mid-oceanic ridges)
- ☒ D. ஆழ்கடல் அகழிகள் (Deep-ocean trenches)

Q.40 ஐரோப்பாவின் மிகப்பெரிய மற்றும் மிக அதிக அளவில் செயலில் உள்ள எரிமலையான மவுண்ட் எட்னா, அதன் அடிக்கடி நிகழும் மற்றும் தொடர்ச்சியான வெடிப்புகளுக்கு பெயர் பெற்றது, இது _____ இல் அமைந்துள்ளது, இது பிப்ரவரி 2025 இல், தென்கிழக்கு எரிமலைப் பள்ளத்தின் மேற்குப் பகுதியில் அமைந்துள்ள ஒரு துவாரத்தில் ஒரு புதிய எரிமலை வெடிப்பு ஏற்பட்டதாகப் பதிவு செய்தது.

- Ans ☒ A. இத்தாலி
- ☒ B. எஸ்டோனியா
- ☒ C. லக்சம்பர்க்
- ☒ D. செர்பியா

Q.41 Which of the following key combinations is used to open the File menu in many applications?

- Ans ☒ A. Alt + Tab
- ☒ B. Alt + F
- ☒ C. Alt + Del
- ☒ D. Alt + Insert

Q.42 அக்பரின் வருவாய் அமைச்சரான தோடர் மால், பயிர் விளைச்சல், நில அளவீடுகள் மற்றும் விலைகளை அடிப்படையாகக் கொண்ட, _____ என்றழைக்கப்படும் ஒரு திறமையான வருவாய் முறையை அறிமுகப்படுத்தினார்.

- Ans ☒ A. ஜாகிர்தாரி முறை
- ☒ B. ஜப்தி முறை
- ☒ C. மன்சப்தாரி முறை
- ☒ D. ரயத்துவாரி முறை

Q.43 பின்வருபவர்களில் யார் கர்நாடக இசையுடன் தொடர்பில்லாதவர் ஆவார்?

- Ans ☒ A. DK பட்டம்மாள்
- ☒ B. விஜயலக்ஷ்மி சுப்ரமணியம்
- ☒ C. நித்யமூர் மகாதேவன்
- ☒ D. ரவிசங்கர்

Q.44 சாந்தலர்களின் கலகத்தில் (1855–57), சாந்தலர்கள் முக்கியமாக யாருக்கு எதிராகத் தங்கள் சினத்தை திருப்பினார்கள்

Ans ☒ A. தொலைதூரப் படைப்பிரிவுகளில் பணியமர்த்தப்பட்ட வங்காள இராணுவ வீரர்கள்
☒ B. பஞ்ச காலத்தில் இலவச உணவை விநியோகித்த மதபோதகர்கள்
☒ C. பாரம்பரிய கிராமத் தலைவர்கள் மற்றும் தங்கள் சொந்தப் பழங்குடியினத்தின் குலத் தலைவர்கள்
☒ D. பிரிட்டிஷ் அதிகாரிகள், ஜமீன்தார்கள், வர்த்தகர்கள் மற்றும் உள்ளூரில் வட்டிக்குக் கடன் கொடுப்போர்

Q.45 பிரதான் மந்திரி ஆவாஸ் யோஜனா-கிராமின் (PMAY-G) திட்டத்தின் கீழ் பயனாளிகளைத் தேர்ந்தெடுப்பதற்கான முதன்மை அளவுகோல் என்ன?

Ans ☒ A. வேளாண்மை மூலம் ஈட்டப்படும் வருமானம்
☒ B. கல்வித் தகுதிகள்
☒ C. சமூக-பொருளாதார மற்றும் சாதிவாரி கணக்கெடுப்பு, 2011
☒ D. நில உரிமை ஆவணங்கள்

Q.46 DPSP-களை ஊக்குவிக்கும் சட்டங்கள், குறிப்பிட்ட சில அடிப்படை உரிமைகளை மீறுவதால், அவை இணக்கமாகப் பொருள்படுத்தப்படும் வரை (interpreted harmoniously), அவை ரத்து செய்யப்படுவதிலிருந்து பாதுகாக்கப்படுவதற்கு எந்த நீதித்துறை கோட்பாடு அனுமதிக்கிறது?

Ans ☒ A. பிரிக்கப்படும் தன்மைக் கோட்பாடு (Doctrine of Severability)
☒ B. அடிப்படை கட்டமைப்பு கோட்பாடு (Doctrine of Basic Structure)
☒ C. இணக்கமான கட்டுமானக் கோட்பாடு (Doctrine of Harmonious Construction)
☒ D. பாதுகாப்புப் பாதுகாட்டுக் கோட்பாடு (Doctrine of Protective Discrimination)

Q.47 Which device converts **printed text** into machine-encoded text using pattern recognition?

Ans ☒ A. Barcode reader
☒ B. MICR reader
☒ C. OMR scanner
☒ D. OCR scanner

Q.48 பாரி மற்றும் நியோகா (Baryi and Nyioga) ஆகியவை பின்வரும் எந்த மாநிலத்தைச் சேர்ந்த நாட்டுப்புற இசை வடிவங்களாகும்?

Ans ☒ A. மிசோரம்
☒ B. அருணாச்சலப் பிரதேசம்
☒ C. மணிப்பூர்
☒ D. திரிபுரா

Q.49 ____ ஆம் ஆண்டில் பொதுத்துறை நிறுவனங்களின் பங்குகளைத் திரும்பப் பெறும் ஒரு புதிய துறை (Department of Disinvestment) உருவாக்கப்பட்டபோது, பொதுத்துறை நிறுவனங்களின் பங்குகளத் திரும்பப் பெறுதல் குறித்த கொள்கை தீவிரமடைந்தது; பின்னர் இது 2001 இல் ஒரு முழு அமைச்சகமாக மாறியது.

Ans ☒ A. 1991
☒ B. 2000
☒ C. 1999
☒ D. 1992

Q.50 பின்வருவனவற்றில் எது, பாஸ்பரஸ் தனிமத்தின் சரியான எலக்ட்ரானிக் கட்டமைப்பைக் (electronic configurations) குறிக்கிறது?

Ans ☒ A. K=2, L=7, M=6
☒ B. K=2, L=5, M=8
☒ C. K=2, L=6, M=7
☒ D. K=2, L=8, M=5

Q.51 Which of the following applications are supercomputers primarily used for?

- Ans ☒ A. Complex mathematical calculations
☐ B. Word processing
☐ C. Internet browsing
☐ D. Office automation

Q.52 1872 ஆம் ஆண்டிலிருந்து கணக்கிடப்படும் தொடர்ச்சியான மக்கள் தொகை கணக்கெடுப்புகளின் வரிசையில், இந்தியாவின் 2011 ஆம் ஆண்டு மக்கள் தொகை கணக்கெடுப்பு ஆனது அதிகாரப்பூர்வமாக எத்தனையாவது கணக்கெடுப்பாக அங்கீகரிக்கப்பட்டுள்ளது?

- Ans ☐ A. 14வது தேசிய மக்கள் தொகை கணக்கெடுப்பு
☐ B. 16வது தேசிய மக்கள் தொகை கணக்கெடுப்பு
☐ C. 13வது தேசிய மக்கள் தொகை கணக்கெடுப்பு
☒ D. 15வது தேசிய மக்கள் தொகை கணக்கெடுப்பு

Q.53 பின்வருவனவற்றில் எந்தக் கோவில், 24 சக்கரங்களைக் கொண்ட சூரியனின் பிரம்மாண்டமான தேராக அதன் பிரதிநிதித்துவமாக வடிவமைக்கப்பட்டுள்ளது ?

- Ans ☒ A. சூரியக் கோவில், கோனார்க்
☐ B. விருபாக்ஷர் கோவில்
☐ C. மகாபோதி கோவில்
☐ D. ஐராவதேஸ்வரர் கோவில்

Q.54 Arundhati Roy's first full-length memoir, published in 2025, is titled:

- Ans ☐ A. Notes from a Small Town
☐ B. The Ministry of Lost Stories
☒ C. Mother Mary Comes To Me
☐ D. Walking with the Ants

Q.55 வேலை மற்றும் ஆற்றலை அளவிடுவது பற்றிய ஒரு வகுப்பறை விவாதத்தில், மாணவர்கள் இந்த அளவுகளுக்கான சரியான SI அலகு மற்றும் பரிமாண வாய்பாட்டை அடையாளம் காணுமாறு கேட்கப்படுகிறார்கள். வேலை அல்லது ஆற்றல் ஆகிய இரண்டிற்குமான அலகுகளையும் எந்த விருப்பம் சிறப்பாகக் குறிக்கிறது?

- Ans ☐ A. பாஸ்கல் மற்றும் $ML^{-1}T^{-2}$
☐ B. வாட் மற்றும் ML^2T^{-3}
☐ C. நியூட்டன் மற்றும் MLT^{-2}
☒ D. ஜூல் மற்றும் ML^2T^{-2}

Q.56 Who among the following has been sworn in as the 24th Prime Minister of Canada in March 2025?

- Ans ☐ A. Claudia Sheinbaum
☒ B. Mark Carney
☐ C. Donald Tusk
☐ D. James David Vance

Q.57 பின்வரும் போர்களில் எது 1761 இல் மராட்டியப் பேரரசின் நார்த்தன் எக்ஸ்பெடிஷனரி ஃபோர்ஸுக்கும் (வடக்கு நோக்கிய இராணுவப் பயணம்) (Northern Expeditionary Force of the Maratha) ஆப்கானிஸ்தான் மன்னரின் கூட்டணிக்கும் இடையே நடைபெற்றது?

- Ans ☐ A. முதல் ஆங்கிலோ-ஆப்கான் போர்
☐ B. இரண்டாவது தாரைன் போர்
☐ C. பெஷாவர் போர்
☒ D. மூன்றாவது பானிபட் போர்

Q.58 வடமேற்கு இந்தியாவில், திடீர் குளிர்கால மழைப்பொழிவுக்கு எந்த காலநிலை நிகழ்வு காரணமாகும்?

- Ans ☒ A. மேற்கத்திய இடையூறுகள் (Western Disturbances)
- ☒ B. ஈஸ்டர் அலைகள்
- ☒ C. உள்ளூர் காற்று
- ☒ D. ஜெட் ஸ்ட்ரீம்ஸ் (Jet streams)

Q.59 சமூக மற்றும் பொருளாதார நீதியை மேம்படுத்துவதை நோக்கமாகக் கொண்ட இந்திய அரசியலமைப்பின் அரசு கொள்கையினை நெறிப்படுத்தும் கோட்பாடுகளுக்கு பெரும் தூண்டுதலாக 1931-ஆம் ஆண்டின் தீர்மானம் அமைந்தது. அது எந்த தீர்மானம் ஆகும்?

- Ans ☒ A. கராச்சி தீர்மானம்
- ☒ B. லாகூர் தீர்மானம்
- ☒ C. டெல்லி தீர்மானம்
- ☒ D. லக்னோ தீர்மானம்

Q.60 இந்திய அரசியலமைப்பின் சட்டப்பிரிவு 350B-ஆனது, பின்வருபவர்களில் யாரின் நியமனத்தைப் பற்றிக் குறிக்கிறது?

- Ans ☒ A. சிறுபான்மை மொழிகளுக்கான சிறப்பு அதிகாரி
- ☒ B. பட்டியலிடப்பட்ட பழங்குடியினருக்கான சிறப்பு அதிகாரி
- ☒ C. பிற பிற்படுத்தப்பட்ட வகுப்பினருக்கான சிறப்பு அதிகாரி
- ☒ D. பெண்கள் மற்றும் குழந்தைகளுக்கான சிறப்பு அதிகாரி

Q.61 Who is the final appellate authority under the Right to Information Act?

- Ans ☒ A. Supreme Court
- ☒ B. Central Information Commission
- ☒ C. Lokpal
- ☒ D. High Court

Q.62 எந்தச் சட்டப்பிரிவானது, அடிப்படை உரிமைகளுக்கு முரணான சட்டங்களை இயற்றுவதை அரசு தடுப்பதுடன், நீதித்துறை மறுஆய்வுக்கான அடித்தளத்தையும் உருவாக்குகிறது?

- Ans ☒ A. சட்டப்பிரிவு 17
- ☒ B. சட்டப்பிரிவு 5
- ☒ C. சட்டப்பிரிவு 9
- ☒ D. சட்டப்பிரிவு 13

Q.63 Who among the following was NOT a founding member of the Indian National Congress?

- Ans ☒ A. John Jardine
- ☒ B. Bal Gangadhar Tilak
- ☒ C. William Wedderburn
- ☒ D. Dinshaw Wacha

Q.64 எந்த செயல்பாடானது, முதன்மையாக மெடுல்லாவால் (Medulla) ஒழுங்குபடுத்தப்படுகிறது?

- Ans ☒ A. அனிச்சைச் செயல்கள்
- ☒ B. பார்வை
- ☒ C. சிந்தனை
- ☒ D. நினைவு

Q.65 இந்திய வனஆய்வு அறிக்கை (FSI) 2021-இன் படி, எந்த மாநிலம் அல்லது யூனியன் பிரதேசமானது, அதன் புவியியல் பரப்பளவில் மிகஅதிக சதவீத வனப்பகுதியைக் கொண்டுள்ளது?

- Ans
- ☒ A. அசாம்
 - ☒ B. சத்தீஸ்கர்
 - ☒ C. ஆந்திரப் பிரதேசம்
 - ☒ D. மிஸோராம்

Q.66 What does Article 13 of the Indian Constitution primarily deal with?

- Ans
- ☒ A. Judicial Review
 - ☒ B. Freedom of Speech
 - ☒ C. Right to Equality
 - ☒ D. Reservation Policy

Q.67 நவம்பர் 2025 இல் வெளியிடப்பட்ட இந்திய உச்ச நீதிமன்ற உத்தரவுகளின்படி, பள்ளிகள், மருத்துவமனைகள் மற்றும் ரயில் நிலையங்கள் போன்ற நிறுவன பொது இடங்களிலிருந்து எந்த விலங்குகளை அகற்றி நிரந்தரமாக இடமாற்றம் செய்ய வேண்டும்?

- Ans
- ☒ A. தெரு நாய்கள்
 - ☒ B. சாலைகளில் திரியும் கழுதைகள்
 - ☒ C. சாலைகளில் திரியும் மாடுகள்
 - ☒ D. தெரு பூனைகள்

Q.68 பின்வரும் டாஸ்க்குகளில் எது, சிஸ்டம் சாஃப்ட்வேரின் பங்கிற்கு பிரத்தியேகமானதும், அப்ளிகேஷன் சாஃப்ட்வேர் புரோகிராமால் செய்ய முடியாததாகும்?

- Ans
- ☒ A. ஒரு கீபோர்டிலிருந்து யூசர் இன்புட்டை ஏற்றுக்கொள்வது மற்றும் மானிட்டரில் அவுட்புட்டைக் காண்பித்தல்.
 - ☒ B. ஒரு ஹார்ட் டிஸ்க் டிரைவில் டேட்டா ஸ்டோரேஜ் மற்றும் ரெட்ரீவலை நிர்வகித்தல்.
 - ☒ C. திரும்பத் திரும்ப செய்யப்படும் டாஸ்க்குகளின் ஒரு தொடரை தானியக்கமாகவதற்கு ஒரு பிரீ-ரிட்டன் ஸ்கிரிப்டை எக்ஸிகியூட் செய்தல்.
 - ☒ D. புதிதாக தொடங்கப்பட்ட புரோகிராமுக்கு, CPU இன் பிராசஸிங் டைம்-இன் ஒரு குறிப்பிட்ட பிளாக்-ஐ அலோகேட் செய்தல்.

Q.69 கேலோ இந்தியா யூத் கேம்ஸ் 2025-க்கான சின்னத்தின் (Mascot) பெயர் என்ன?

- Ans
- ☒ A. சிம்ஹால் (Simhal)
 - ☒ B. ஹாதிஷேர் (HathiSher)
 - ☒ C. யோத்தா (Yoddha)
 - ☒ D. கஜசிம்ஹா (Gajasimha)

Q.70 பின்வருவனவற்றுள், இந்தியாவில் வற்றிப்போகக்கூடிய மற்றும் சுற்றுச்சூழலை மாசுபடுத்தக்கூடிய ஆற்றல் வளம் எது?

- Ans
- ☒ A. சூரிய ஆற்றல்
 - ☒ B. காற்று சக்தி
 - ☒ C. உயிரி வாயு
 - ☒ D. நிலக்கரி

Section : General Intelligence and Reasoning

Q.71 ஆங்கில அகரவரிசையின் அடிப்படையில் கொடுக்கப்பட்ட இத்தொடரில், கேள்விக்குறிக்கு(?) பதிலாக என்ன வர வேண்டும்?

HKS GMP FOM EQJ ?

- Ans
- ☒ A. MTC
 - ☒ B. VTF
 - ☒ C. PVE
 - ☒ D. DSG

Q.72 ஆங்கில அகரவரிசையின் அடிப்படையில், பின்வரும் நான்கு எழுத்து-தொகுப்பு ஜோடிகளில் மூன்று ஒரு குறிப்பிட்ட வழிமுறையில் ஒரே போல உள்ளது, இதனால் ஒரு குழுவை உருவாக்குகிறது. அந்தக் குழுவுடன் சேராத ஒன்று எது? (குறிப்பு: மாறுபட்ட ஒன்றானது எழுத்து-தொகுப்பில் உள்ள மெய்யெழுத்துக்கள்/உயிரெழுத்துகளின் எண்ணிக்கை அல்லது அவற்றின் நிலை ஆகியவற்றின் அடிப்படையில் இல்லை.)

- Ans
- ☒ A. IB-DG
 - ☒ B. KD-FI
 - ☒ C. NG-IL
 - ☒ D. PI-KM

Q.73 'A' என்பது '+' ஐக் குறிக்கிறது, 'B' என்பது 'x' ஐக் குறிக்கிறது, 'C' என்பது '-' ஐக் குறிக்கிறது, மற்றும் 'D' என்பது '-' ஐக் குறிக்கிறது எனில், பின்வரும் சமன்பாட்டில் கேள்விக் குறிக்கு '?' பதிலாக என்ன வரும்?

10 B 3 D 45 A 9 C 2 = ? D 18

- Ans
- ☒ A. 50
 - ☒ B. 45
 - ☒ C. 55
 - ☒ D. 40

Q.74 கொடுக்கப்பட்ட தொடரை தர்க்கரீதியாக முழுமையாக்க, பின்வரும் எழுத்து-எண் தொகுப்புகளில் எது, கேள்விக்குறிக்கு (?) பதிலாக வரும்?

HDZM 42 BYFR 36 VTLW 30 PORB 24 ?

- Ans
- ☒ A. JKYH 16
 - ☒ B. KKXG 16
 - ☒ C. KJYH 18
 - ☒ D. JJXG 18

Q.75 ஒரு குறிப்பிட்ட குறியீட்டு மொழியில், 'PACK' என்பது '1376' என்றும், 'CAKE' என்பது '7615' என்றும் குறியிடப்பட்டுள்ளது. எனில், கொடுக்கப்பட்ட குறியீட்டு மொழியில் 'E' க்கான குறியீடு என்ன?

- Ans
- ☒ A. 7
 - ☒ B. 6
 - ☒ C. 1
 - ☒ D. 5

Q.76 கொடுக்கப்பட்ட தொடரில் '?' க்கு பதிலாக என்ன வரும்?

184 164 146 130 116 104 ?

- Ans
- ☒ A. 94
 - ☒ B. 91
 - ☒ C. 96
 - ☒ D. 89

Q.77 கொடுக்கப்பட்ட கூற்றுகள் மற்றும் முடிவுகளை கவனமாக படிக்கவும். அது பொதுவாக அறியப்பட்ட உண்மைகளுடன் மாறுபட்டதாகத் தோன்றினாலும், கூற்றுகளில் கொடுக்கப்பட்ட தகவல்கள் உண்மை என்று கருதி, கொடுக்கப்பட்ட முடிவு (களில்) எது/எவை கூற்றுகளிலிருந்து தர்க்கரீதியாக பின்பற்றுகிறது(கின்றன) என்பதைத் தீர்மானிக்கவும்.

கூற்று: எந்த ஆரஞ்சும் ஆப்ரிகாட் அல்ல.அனைத்து ஆப்ரிகாட்களும் ஆப்பிள்கள்.

முடிவு I: எந்த ஆப்பிள்களும் ஒரு ஆரஞ்சுகள் அல்ல.
முடிவு II: சில ஆரஞ்சுகள் ஆப்பிள்களாகும்.

- Ans ☒ A. முடிவுகள் (I) மற்றும் (II) ஆகிய இரண்டும் பின்பற்றுகின்றன.
☒ B. முடிவு (I) அல்லது (II) ஆகிய எதுவும் பின்பற்றவில்லை.
☒ C. முடிவு (I) மட்டுமே பின்பற்றுகிறது.
☒ D. முடிவு (II) மட்டுமே பின்பற்றுகிறது.

Q.78 கொடுக்கப்பட்ட கூற்றுகள் மற்றும் முடிவுகளை கவனமாக படிக்கவும். பொதுவாக அறியப்பட்ட தகவல்களில் இருந்து மாறுபட்டு இருப்பதாகத் தோன்றினாலும், கொடுக்கப்பட்டுள்ள கூற்றுகள் உண்மையாக இருப்பதாகக் கருதவும். கொடுக்கப்பட்ட கூற்றுகளிலிருந்து எந்த முடிவுகள் தர்க்கரீதியாக பின்பற்றுகிறது(கின்றன) என்பதை நீங்கள் தீர்மானிக்க வேண்டும்.

கூற்றுகள்: சில முடிகள் கம்பிகள் ஆகும். அனைத்துக் கயிறுகளும் கம்பிகள் ஆகும்.

முடிவு (I): சில முடிகள் கயிறுகள் ஆகும்.

முடிவு (II): அனைத்துக் கம்பிகளும் கயிறுகள் ஆகும்.

- Ans ☒ A. முடிவுகள் (I) மற்றும் (II) ஆகிய இரண்டும் பின்பற்றுகின்றன
☒ B. முடிவு (I) அல்லது (II) ஆகிய எதுவும் பின்பற்றவில்லை
☒ C. முடிவு (I) மட்டுமே பின்பற்றுகிறது
☒ D. முடிவு (II) மட்டுமே பின்பற்றுகிறது

Q.79 ஆங்கில அகரவரிசையின் அடிப்படையில், பின்வரும் நான்கு எழுத்து தொகுப்புகளில் மூன்று ஒரு குறிப்பிட்ட வழிமுறையில் ஒரே போல உள்ளது, இதனால் ஒரு குழுவை உருவாக்குகிறது. எந்த எழுத்து தொகுப்பு அந்த குழுவில் சேராதது ஆகும்?
(குறிப்பு: மாறுபட்ட ஒன்றானது எழுத்து-தொகுப்பில் உள்ள மெய்யெழுத்துக்கள்/உயிரெழுத்துகளின் எண்ணிக்கை அல்லது அவற்றின் நிலை ஆகியவற்றின் அடிப்படையில் இல்லை.)

- Ans ☒ A. WOK
☒ B. RLF
☒ C. YSM
☒ D. TNH

Q.80 M, N, O, P, X, Y மற்றும் Z ஆகிய ஏழு பெட்டிகள், ஒன்றன் மேல் ஒன்று வைக்கப்பட்டுள்ளன, ஆனால் அதே வரிசையில் இருக்க வேண்டிய அவசியமில்லை.
Y ஆனது கீழிருந்து இரண்டாவது இடத்தில் வைக்கப்பட்டுள்ளது. Y மற்றும் O க்கு இடையில் மூன்று பெட்டிகள் மட்டுமே வைக்கப்பட்டுள்ளன. X ஆனது Y க்கு கீழே உள்ள நிலைகளில் ஒன்றில் வைக்கப்பட்டுள்ளது. N மட்டுமே O மற்றும் P க்கு இடையில் வைக்கப்பட்டுள்ளது. M ஆனது O க்கு மேலே உள்ள நிலைகளில் ஒன்றில் வைக்கப்பட்டுள்ளது.
X மற்றும் M க்கு இடையில் எத்தனை பெட்டிகள் வைக்கப்பட்டுள்ளன?

- Ans ☒ A. ஒன்று
☒ B. ஐந்து
☒ C. மூன்று
☒ D. நான்கு

Q.81 P என்பவர் Q இன் சகோதரி. Q என்பவர் S இன் சகோதரர். T என்பவர் X இன் தந்தை. X என்பவர் S இன் மகன். எனில், P என்பவர் X க்கு என்ன உறவு?

- Ans
- ☒ A. தந்தையின் தாய்
 - ☒ B. தாய்
 - ☒ C. சகோதரி
 - ☒ D. தாயின் சகோதரி

Q.82 ஆங்கில அகரவரிசையின் அடிப்படையில் கொடுக்கப்பட்ட தொடரில், கேள்விக்குறிக்கு(?) பதிலாக என்ன வர வேண்டும்?

BIRD FMVH JQZL NUDP ?

- Ans
- ☒ A. RYHT
 - ☒ B. RZHS
 - ☒ C. SYGT
 - ☒ D. SZGS

Q.83 பின்வரும் எழுத்துத் தொடரைப் பார்த்து, கேள்விக்கு பதிலளிக்கவும்.

(இடது) Z K J H G F D S T U I A W Q P L M N B X (வலது)

ஆங்கில அகரவரிசைத் தொடரில், வலது முனையிலிருந்து ஐந்தாவதாக உள்ள எழுத்திற்கும் மற்றும் இடது முனையிலிருந்து நான்காவதாக உள்ள எழுத்திற்கும் இடையில் எத்தனை எழுத்துக்கள் உள்ளன?

- Ans
- ☒ A. மூன்று
 - ☒ B. ஒன்று
 - ☒ C. இரண்டு
 - ☒ D. மூன்றுக்கும் மேற்பட்டவை

Q.84 அகர வரிசையின் அடிப்படையில், பின்வரும் நான்கில் மூன்று ஒரு குறிப்பிட்ட வழிமுறையில் ஒரே போல உள்ளது, இதனால் ஒரு குழுவை உருவாக்குகிறது. அந்தக் குழுவுடன் சேராத ஒன்று எது? (குறிப்பு: மாறுபட்ட ஒன்றானது எழுத்து தொகுப்பில் உள்ள மெய்யெழுத்துக்கள்/உயிரெழுத்துகளின் எண்ணிக்கை அல்லது அவற்றின் நிலை ஆகியவற்றின் அடிப்படையில் இல்லை.)

- Ans
- ☒ A. LOQ
 - ☒ B. KNQ
 - ☒ C. SVX
 - ☒ D. NQS

Q.85 பலாஷ் புள்ளி Y இலிருந்து தொடங்கி மேற்கு நோக்கி 25 km வாகனத்தை ஒட்டுகிறார். பின்னர் அவர் இடதுபுறம் திரும்பி 23 km ஒட்டுகிறார், வலதுபுறம் திரும்பி 51 km ஒட்டுகிறார். அதன் பிறகு அவர் ஒரு இடதுபுறம் திரும்பி 16 km ஒட்டுகிறார். மீண்டும் ஒரு இடதுபுறம் திரும்பி 31 km ஒட்டுகிறார். பின்னர் அவர் வலதுபுறம் திரும்பி 35 km ஒட்டி, இடதுபுறம் திரும்பி 45 km ஒட்டி புள்ளி Z இல் நிறுத்துகிறார். அவர் மீண்டும் புள்ளி Y ஐ அடைய எவ்வளவு தூரம் (மிகக்குறுகிய தூரம்) மற்றும் எந்த திசையில் வாகனத்தை ஒட்ட வேண்டும்? (குறிப்பிடப்படாவிட்டால் அனைத்து திருப்பங்களும் 90° திருப்பங்கள் மட்டுமே.)

- Ans
- ☒ A. 77 km வடக்கு நோக்கி
 - ☒ B. 71 km தெற்கு நோக்கி
 - ☒ C. 73 km தெற்கு நோக்கி
 - ☒ D. 74 km வடக்கு நோக்கி

Q.86 ஆங்கில அகரவரிசையின் அடிப்படையில், ஒரு குறிப்பிட்ட வழிமுறையில் NQTM என்பது ILOH உடன் தொடர்புடையது. அதே வழிமுறையில், UOLG என்பது PJGB உடன் தொடர்புடையது. அதே தர்க்கத்தைப் பின்பற்றி, கொடுக்கப்பட்ட விருப்பங்களில் HRPW என்பது எதனுடன் தொடர்புடையதாகும்?

- Ans ☒ A. LFTS
☒ B. CMKR
☒ C. PDRT
☒ D. NTGY

Q.87 கொடுக்கப்பட்ட தொடரில், '?' க்கு பதிலாக என்ன வர வேண்டும்?
17 30 56 95 147 ?

- Ans ☒ A. 252
☒ B. 221
☒ C. 225
☒ D. 212

Q.88 A, B, D, J, O, T மற்றும் Z ஆகிய ஏழு நபர்கள் ஒரு கிடைவரிசையில் வடக்கு நோக்கி அமர்ந்துள்ளனர். T இன் இடதுபுறத்தில், D மட்டுமே அமர்ந்துள்ளார். D மற்றும் A க்கு இடையில் நான்கு நபர்கள் ட்டுமே அமர்ந்துள்ளனர். O என்பவர் மட்டுமே, Z மற்றும் B க்கு இடையில் அமர்ந்துள்ளார்; மேலும் Z என்பவர் A இன் உடனடி அருகாமையாளர் அல்ல. எனில், T இன் உடனடி இடதுபுறத்தில் அமர்ந்திருப்பவர் யார்?

- Ans ☒ A. Z
☒ B. D
☒ C. A
☒ D. B

Q.89 ஒரு குறிப்பிட்ட வழிமுறையில் JK 9 என்பது MJ -7 உடன் தொடர்புடையது. அதே வழிமுறையில், PQ 4 என்பது SP -12 உடன் தொடர்புடையது. அதே தர்க்கத்தைப் பின்பற்றி, QR 13 என்பது பின்வருவனவற்றுள் எதனுடன் தொடர்புடையதாகும்?

- Ans ☒ A. TQ -3
☒ B. TM -6
☒ C. GH-4
☒ D. YT -1

Q.90 A, B, C, D, E, F மற்றும் G ஆகிய ஏழு பெட்டிகள் ஒன்றன் மேல் ஒன்றாக வைக்கப்பட்டுள்ளன, ஆனால் அதே வரிசையில் இருக்க வேண்டிய அவசியமில்லை. C மற்றும் A க்கு இடையில் நான்கு பெட்டிகள் மட்டுமே வைக்கப்பட்டுள்ளன. F ஆனது மட்டுமே C க்கு மேலே வைக்கப்பட்டுள்ளது. D மற்றும் B க்கு இடையில் இரண்டு பெட்டிகள் மட்டுமே வைக்கப்பட்டுள்ளன. G ஆனது E க்கு உடனடி மேலே வைக்கப்பட்டுள்ளது. B ஆனது G க்கு உடனடி மேலே வைக்கப்படவில்லை. எனில், E க்கு உடனடி கீழே எந்தப் பெட்டி வைக்கப்பட்டுள்ளது?

- Ans ☒ A. B
☒ B. F
☒ C. A
☒ D. G

Q.91 கீழ்க்காணும் சமன்பாட்டில், '+' மற்றும் '-' ஆகியவை ஒன்றுக்கொன்று இடமாற்றம் செய்யப்பட்டு, 'x' மற்றும் '+' ஆகியவை ஒன்றுக்கொன்று இடமாற்றம் செய்யப்பட்டால், கேள்விக்குறி (?) உள்ள இடத்தில் என்ன வரும்?

$$24 \div 5 - 11 + 70 \times 14 = ?$$

- Ans ☒ A. 126
☒ B. 120
☒ C. 122
☒ D. 123

Q.92 பின்வரும் எண்-ஜோடிகளில், முதல் எண்ணில் சில கணித செயல்பாடுகளை செய்வதன் மூலம் இரண்டாவது எண் பெறப்படுகிறது. பின்வரும் தொகுப்புகளின் எண்களைப் போலவே தொடர்புடைய எண்களின் தொகுப்பைத் தேர்ந்தெடுக்கவும்.

(குறிப்பு: எண்களை அதன் கூறு (constituent) இலக்கங்களாகப் பிரிக்காமல், முழு எண்களில் செயல்பாடுகள் செய்யப்பட வேண்டும். எ.கா. 13 13 -இல் கூட்டல் / கழித்தல் / பெருக்கல் போன்ற செயல்பாடுகளை 13 உடன் செய்யலாம். 13 ஐ 1 மற்றும் 3 ஆக பிரித்த பின்னர் 1 மற்றும் 3 இல் கணித செயல்பாடுகளைச் செய்வது அனுமதிக்கப்படாது)

$$7 - 14$$

$$45 - 90$$

- Ans ☒ A. 42 - 82
☒ B. 12 - 34
☒ C. 8 - 17
☒ D. 70 - 140

Q.93 ஒரு குறிப்பிட்ட குறியீட்டு மொழியில், 'rain calms storms' என்பது 'gl ot fr' என்றும் மற்றும் 'patience gently calms' என்பது 'ot mi zp' என்றும் குறியிடப்பட்டுள்ளது. கொடுக்கப்பட்ட மொழியில் 'calms' என்பது எவ்வாறு குறியிடப்படுகிறது?

- Ans ☒ A. zp
☒ B. ot
☒ C. gl
☒ D. fr

Q.94 8945317 என்ற எண்ணில் உள்ள ஒவ்வொரு இலக்கமும் இடமிருந்து வலமாக ஏறுவரிசையில் அமைக்கப்படுகிறது. எனில், அசல் எண்ணுடன் ஒப்பிடும்போது எத்தனை இலக்கங்களின் நிலை(கள்) மாறாமல் இருக்கும்?

- Ans ☒ A. ஒன்று
☒ B. எதுவுமில்லை
☒ C. இரண்டு
☒ D. மூன்று

Q.95 ஒரு குறிப்பிட்ட குறியீட்டு மொழியில்,
 $A \leq B$ என்றால் 'A என்பவர் B இன் தந்தை',
 $A \neq B$ என்றால் 'A என்பவர் B இன் மனைவி',
 $A @ B$ என்றால் 'A என்பவர் B இன் மகன்' மற்றும்
 $A \sim B$ என்றால் 'A என்பவர் B இன் சகோதரி' என கருதப்படுவர்.

மேலே உள்ளவற்றின் அடிப்படையில், ' $R \neq A @ N \leq C \sim O$ ' என்றால், R என்பவர் O க்கு என்ன உறவு?

- Ans ☒ A. மனைவி
☒ B. சகோதரரின் மனைவி
☒ C. தந்தையின் தாயார்
☒ D. மனைவியின் சகோதரி

Q.96 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 9 2 3 1 4 5 6 8 5 4 3 2 1 9 3 4 5 6 7 8 1 2 9 8 3 4 5 2 6 8 2 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans
- ☒ A. Three
 - ☒ B. None
 - ☒ C. One
 - ☒ D. Two

Q.97 J, U, N, I, O, R மற்றும் S ஆகியோர் ஒரு வட்ட மேசையைச் சுற்றி, மேசையின் மையத்தை நோக்கியபடி அமர்ந்துள்ளனர். S என்பவர் R இன் இடதுபுறத்தில் நான்காவது இடத்தில் அமர்ந்துள்ளார். O என்பவர் U இன் வலதுபுறத்தில் நான்காவது இடத்தில் அமர்ந்துள்ளார். R இன் இடதுபுறத்தில் இருந்து எண்ணும்போது R மற்றும் U க்கு இடையில் இரண்டு நபர்கள் மட்டுமே அமர்ந்துள்ளனர். N என்பவர் O அல்லது R ஆகியோரின் உடனடி அருகாமையாளர் அல்ல. J என்பவர் N இன் உடனடி அருகாமையாளர் அல்ல. I இன் வலதுபுறத்தில் மூன்றாவது இடத்தில் அமர்ந்திருப்பவர் யார்?

- Ans
- ☒ A. R
 - ☒ B. J
 - ☒ C. U
 - ☒ D. S

Q.98 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 7 3 5 2 3 5 3 5 2 2 5 2 5 2 5 6 5 4 6 5 4 9 9 8 5 5 2 (Right)
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square.)

- Ans
- ☒ A. Two
 - ☒ B. One
 - ☒ C. None
 - ☒ D. Three

Q.99 NJ 9 என்பது ஒரு குறிப்பிட்ட வழிமுறையில் QN -9 உடன் தொடர்புடையது. அதே வழிமுறையில், OR 13 என்பது RV -5 உடன் தொடர்புடையது. அதே தர்க்கத்தைப் பின்பற்றினால், VR 19 என்பது கொடுக்கப்பட்ட விருப்பங்களில் எதுவுடன் தொடர்புடையதாகும்?

- Ans
- ☒ A. VZ 3
 - ☒ B. YX 6
 - ☒ C. CX 5
 - ☒ D. YV 1

Q.100 A, B, J, E, C, T மற்றும் S ஆகிய ஏழு பெட்டிகள் ஒன்றன் மேல் ஒன்றாக வைக்கப்பட்டுள்ளன, ஆனால் அதே வரிசையில் இருக்க வேண்டிய அவசியமில்லை. T ஆனது மட்டுமே E க்குக் கீழே வைக்கப்பட்டுள்ளது. A ஆனது மட்டுமே J க்கு மேலே வைக்கப்பட்டுள்ளது. C ஆனது மட்டும் J மற்றும் S க்கு இடையில் வைக்கப்பட்டுள்ளது. எனில், B மற்றும் T க்கு இடையில் எத்தனை பெட்டிகள் வைக்கப்பட்டுள்ளன?

- Ans
- ☒ A. ஒன்று
 - ☒ B. இரண்டு
 - ☒ C. மூன்று
 - ☒ D. பூஜ்ஜியம்



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	20/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Two equal sums of money are lent out for 2 years each, one at 5% per annum simple interest and the other at 7% per annum simple interest. If the difference in simple interest earned on the two sums is ₹40, then what was the principal of each sum (in ₹)?

- Ans**
- ☒ A. 1,400
 - ☒ B. 1,000
 - ☒ C. 800
 - ☒ D. 1,200

Q.2 In a business, P invests ₹2,00,000 for 8 months, Q invests ₹1,50,000 for 9 months and R invests ₹1,20,000 for some complete months. After a year, out of the profit, R gets a higher profit amount than Q but less than P. If R gets ₹72,000 as profit, then the profit of P is ₹_____.

- Ans**
- ☒ A. 80,000
 - ☒ B. 90,000
 - ☒ C. 1,00,000
 - ☒ D. 1,20,000

Q.3 When the cost of an article was decreased by 7%, the number of articles sold was increased by 20%. What was the effect (in percentage) on the revenue?

- Ans**
- ☒ A. increase of 10.4%
 - ☒ B. decrease of 10.6%
 - ☒ C. decrease of 9.6%
 - ☒ D. increase of 11.6%

Q.4 During a sale, 50% of the goods are sold at 21% profit, 30% of the remaining goods are sold at 43% profit and the still remaining goods are sold at a loss of 17%. If there is an overall profit of x%, then what is the value of x?

- Ans**
- ☒ A. 12
 - ☒ B. 11.5
 - ☒ C. 10.5
 - ☒ D. 11

Q.5 The radius of a spherical balloon is increased by 20%. Find the percentage increase in its surface area.

- Ans**
- ☐ A. 20%
 - ☐ B. 22%
 - ☒ C. 44%
 - ☐ D. 40%

Q.6 Evaluate $22^3 + (-6)^3 + (-16)^3$

- Ans**
- ☐ A. 6127
 - ☐ B. 6147
 - ☒ C. 6336
 - ☐ D. 6099

Q.7 A club received an income of ₹7,643 from membership fees and ₹2,198 from selling old sports equipment during the year. At the start of the year, ₹1,105 in membership fees was outstanding, and at the end of the year, ₹916 was still outstanding. If the club incurred expenditures of ₹5,287 on sports material and ₹3,120 on maintenance, what is the club's surplus or deficit for the year?

- Ans**
- ☐ A. ₹2,613 deficit
 - ☐ B. ₹2,613 surplus
 - ☐ C. ₹1,975 deficit
 - ☒ D. ₹1,245 surplus

Q.8 The monthly charges of a hostel consist of a fixed part and a variable part depending on the number of students. For 25 students, the total bill is ₹17,500. For 40 students, the total bill is ₹25,000. What is the total bill for 60 students?

- Ans**
- ☐ A. ₹32,500
 - ☒ B. ₹35,000
 - ☐ C. ₹37,500
 - ☐ D. ₹30,000

Q.9 A five-digit number 7549A is divisible by 4 and 3. If it is divided by 12, what will be the remainder?

- Ans**
- ☐ A. 4
 - ☐ B. 1
 - ☐ C. 2
 - ☒ D. 0

Q.10 A company has three branches. Branch A has 40 employees with average monthly sales of ₹1,20,000, Branch B has 30 employees with average monthly sales of ₹1,80,000, and Branch C has 30 employees with average monthly sales of ₹1,50,000. What is the average monthly sales per employee of the company (in ₹)?

- Ans**
- ☐ A. 1,60,000
 - ☐ B. 1,20,000
 - ☐ C. 1,50,000
 - ☒ D. 1,47,000

Q.11 A cyclist travels from Town A to Town B, a distance of 78 km, at a speed of 13 km/h. He returns from Town B to Town A at a speed of 26 km/h. What is the total time taken for the round trip, in hours?

- Ans**
- ☐ A. 7
 - ☒ B. 9
 - ☐ C. 8
 - ☐ D. 10

Q.12 Of three numbers, the first number is 25 and the third number is 100. If the second number is the mean proportional between the first and the third numbers, find the value of the second number.

- Ans
- ☒ A. 75
 - ☒ B. 50
 - ☒ C. 45
 - ☒ D. 40

Q.13 A shopkeeper offers the following schemes on toys of the same marked price.
(A) Successive discounts of 6% and 39% on any number of toys bought.
(B) Successive discounts of 48%, 16% and 11% on any number of toys bought.
(C) 37% discount on the first 2 toys and 29% discount on each toy thereon.
(D) 2 toys free of cost on buying 4 toys.
A customer wants to buy 4 toys. Which of the above schemes is the least beneficial to her?

- Ans
- ☒ A. B
 - ☒ B. D
 - ☒ C. C
 - ☒ D. A

Q.14 A shopkeeper offers a single discount of 30% on a shirt priced at ₹800. Alternatively, he offers two successive discounts of 25% and 5% on the same shirt. What is the difference in the total discount amount between the two offers?

- Ans
- ☒ A. ₹16
 - ☒ B. ₹10
 - ☒ C. ₹14
 - ☒ D. ₹20

Q.15 Two sisters, Anika and Riya, have a combined present age of 34 years. Five years ago from now, Anika was twice as old as Riya was then. What is Anika's current age in years?

- Ans
- ☒ A. 20
 - ☒ B. 23
 - ☒ C. 21
 - ☒ D. 18

Q.16 A tank is full. Pipes A and B can drain the tank in 10 hours and 15 hours, respectively, while pipe C can fill the tank in 12 hours. Pipes A and B run for 2 hours, after which pipe C is also turned on. How many hours will it take to empty the tank completely?

- Ans
- ☒ A. 10 hours
 - ☒ B. 4 hours
 - ☒ C. 8 hours
 - ☒ D. 6 hours

Q.17 Simplify: $\left\{ \frac{12}{27} \div \frac{12}{2} \right\} \div \left(\frac{1}{11} \times \frac{22}{3} + \frac{5}{9} \right) + \frac{2}{9} \div \frac{33}{22} \text{ of } \frac{22}{9}$

- Ans
- ☒ A. $\frac{14}{41}$
 - ☒ B. $\frac{4}{33}$
 - ☒ C. $-\frac{1}{8}$
 - ☒ D. $\frac{9}{23}$

Q.18 20 note books, 100 pens and 50 pencils were bought for ₹3,500. If the average cost of a note book is ₹50 and that of a pencil is ₹10, find the average cost of a pen.

- Ans**
- ☒ A. ₹20
 - ☐ B. ₹25
 - ☐ C. ₹15
 - ☐ D. ₹16

Q.19 A and B can do a piece of work in 12 days and 24 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?

- Ans**
- ☐ A. 14
 - ☐ B. 13
 - ☐ C. 11
 - ☒ D. 12

Q.20 A person travels half of a total distance at 30 km/h and the remaining half at 60 km/h. If the total distance is 120 km, how much time does the person take to complete the entire journey?

- Ans**
- ☒ A. 3 hours
 - ☐ B. 5 hours
 - ☐ C. 4 hours
 - ☐ D. 2.5 hours

Q.21 A triangle has sides of lengths 5 cm, 12 cm, and 13 cm. If a perpendicular is drawn from the vertex opposite the longest side to the longest side, what is the length of the perpendicular? (Rounded off to two decimal places)

- Ans**
- ☐ A. 6.51 cm
 - ☐ B. 5.37 cm
 - ☐ C. 5.08 cm
 - ☒ D. 4.62 cm

Q.22 A city is planning a new park in the shape of a regular hexagon with each side measuring 10 meters. Which of the following is closest to the area of the park?

- Ans**
- ☐ A. 173.2 square meters
 - ☒ B. 259.8 square meters
 - ☐ C. 150 square meters
 - ☐ D. 600 square meters

Q.23 A shopkeeper buys an article for ₹500 and sells it for ₹575. What is the percentage profit?

- Ans**
- ☐ A. 20%
 - ☒ B. 15%
 - ☐ C. 12.5%
 - ☐ D. 10%

Q.24 Priya invested ₹3200 in a bank at a simple interest rate of 12% per annum. If she kept her money in the bank for 5 years, what will be the total interest earned?

- Ans**
- ☐ A. ₹1910
 - ☐ B. ₹1930
 - ☒ C. ₹1920
 - ☐ D. ₹1940

Q.25 Which of the following numbers are not divisible by 68?

- (i) 17350
- (ii) 23800
- (iii) 28560
- (iv) 35350

Ans ☒ A. (iii) and (iv)
☒ B. (ii) and (iii)
☒ C. (i) and (iv)
☒ D. (i) and (ii)

Q.26 Find the greatest number that will divide 186, 321 and 402 so as to leave the same remainder in each case.

Ans ☒ A. 23
☒ B. 19
☒ C. 13
☒ D. 27

Q.27 A mixture contains milk and water in the ratio 5:3. If 48 liters of water is added, the ratio becomes 5:5. Find the initial quantity of milk.

Ans ☒ A. 125 liters
☒ B. 120 liters
☒ C. 110 liters
☒ D. 115 liters

Q.28 A flagpole stands on top of a building. From a point 25 metres away from the base of the building, the angle of elevation to the top of the flagpole is 60° , and to the top of the building is 30° . What is the height of the flagpole? (Round your answer off to the nearest metre, and use $\sqrt{3}=1.7$)

Ans ☒ A. 30 m
☒ B. 35 m
☒ C. 29 m
☒ D. 31 m

Q.29 Simplify: $\sqrt{196} - \sqrt{81} + (\sqrt{16})^2$

Ans ☒ A. 21
☒ B. 5
☒ C. 7
☒ D. 14

Q.30 If the ratio of two numbers is 6 : 4, and their HCF is 49, then their LCM is:

Ans ☒ A. 294
☒ B. 298
☒ C. 287
☒ D. 295

Section : General Awareness

Q.31 What is the maximum loan amount available under PMMY for entrepreneurs who have successfully repaid previous 'Tarun' category loans?

Ans ☒ A. ₹50 lakh
☒ B. ₹10 lakh
☒ C. ₹5 lakh
☒ D. ₹20 lakh

Q.32 Which information is essential to perform stoichiometric calculations for a chemical reaction?

- Ans**
- ☐ A. The color of the reactants
 - ☐ B. Temperature of the reaction
 - ☒ C. A balanced chemical equation
 - ☐ D. Type of apparatus used

Q.33 India, in October 2025, developed its first indigenously discovered antibiotic, effective against resistant respiratory infections. What is its name?

- Ans**
- ☐ A. Azithromycin
 - ☐ B. Cefixime
 - ☐ C. Penicillin-G
 - ☒ D. Nafithromycin

Q.34 Which one of the following is NOT true in regard to The Waqf (Amendment) Bill, 2025 passed by the Indian government?

- Ans**
- ☐ A. The bill retains two Muslim women members in central Waqf council.
 - ☐ B. The bill also seeks to improve the economic and social status of Muslim women.
 - ☐ C. The bill retains two Muslim women members in state Waqf board.
 - ☒ D. Female heirs are not guaranteed their rightful share in family waqf.

Q.35 Western Scholar Pishel associated the terms *Sutradhar* and *Sthapak* in Sanskrit plays with:

- Ans**
- ☐ A. Classical dance performances
 - ☐ B. Ritual ceremonies
 - ☒ C. Puppet dance tradition
 - ☐ D. Ancient musical instruments

Q.36 In May 2025, what operation did India launch, involving missile and drone strikes in Pakistan, that escalated tensions significantly?

- Ans**
- ☐ A. Operation Trident
 - ☐ B. Operation Horizon
 - ☐ C. Operation Sunrise
 - ☒ D. Operation Sindoor

Q.37 As of January 2025, which of the following was India's largest shipbuilding facility in terms of maximum shipbuilding capacity?

- Ans**
- ☐ A. Kattupalli Shipyard
 - ☒ B. Cochin Shipyard Limited (CSL)
 - ☐ C. Mazagon Dock Shipbuilders Limited
 - ☐ D. Goa Shipyard Limited

Q.38 Which key is used to open the Start Menu in Windows 11?

- Ans**
- ☒ A. Windows Key
 - ☐ B. Enter
 - ☐ C. Ctrl
 - ☐ D. Shift

Q.39 According to references in the Rigveda, the early Vedic Aryans inhabited a region known as:

- Ans**
- ☒ A. Sapta-Sindhu
 - ☐ B. Aryavarta
 - ☐ C. Madhyadesha
 - ☐ D. Brahmavarta

Q.40 In which city did the World Health Summit 2024 take place?

- Ans**
- ☐ A. London
 - ☒ B. Berlin
 - ☐ C. Geneva
 - ☐ D. Paris

Q.41 How many Fundamental Duties were finally included in the Constitution in 1976 (based on committee recommendations)?

- Ans**
- ☐ A. Six
 - ☒ B. Ten
 - ☐ C. Nine
 - ☐ D. Seven

Q.42 Who is credited with codifying the method of Carnatic music?

- Ans**
- ☒ A. Purandara Dasa
 - ☐ B. Kanaka Dasa
 - ☐ C. Gopala Dasa
 - ☐ D. Jagannatha Dasa

Q.43 Which quantities influence the kinetic energy of a moving body?

- Ans**
- ☐ A. Only mass
 - ☐ B. Only velocity
 - ☒ C. Both mass and velocity
 - ☐ D. Its shape

Q.44 A game installed on your computer belongs to:

- Ans**
- ☐ A. System utilities
 - ☐ B. Primary memory
 - ☐ C. Device drivers
 - ☒ D. Application software

Q.45 Which concern of the British government directly influenced the reorganisation of the Indian army after the Revolt of 1857?

- Ans**
- ☐ A. Reducing the influence of Indian cavalry units in strategic military decisions.
 - ☐ B. Limiting the political awareness of Indian soldiers through restricted education.
 - ☐ C. Avoiding financial strain caused by the overseas deployment of Indian troops.
 - ☒ D. Preventing a future unified military uprising by Indian soldiers against British rule.

Q.46 Who among the following appoints judges of Family Courts in India?

- Ans**
- ☐ A. Governor
 - ☐ B. Union Home Minister
 - ☐ C. President
 - ☒ D. State Government

Q.47 Which gas is the main contributor to acid rain formation?

- Ans**
- ☐ A. Methane
 - ☐ B. Hydrogen
 - ☐ C. Neon
 - ☒ D. Sulphur dioxide

Q.48 What was the installed cement capacity and production of cement, respectively, in the Indian cement industry by 2022-23?

- Ans**
- ☒ A. 600 MT and 391 MT
 - ☐ B. 500 MT and 231 MT
 - ☐ C. 250 MT and 151 MT
 - ☐ D. 300 MT and 181 MT

Q.49 Where did Narendra Modi inaugurate India's first deepwater transshipment port in May 2025?

- Ans**
- ☐ A. Gujarat
 - ☒ B. Kerala
 - ☐ C. Maharashtra
 - ☐ D. Karnataka

Q.50 Which of the following statements is true for water when it is cooled from 4°C to 0°C?

- Ans**
- ☐ A. Volume and density both increase
 - ☐ B. Volume and density both decrease
 - ☒ C. Volume increases but density decreases
 - ☐ D. Volume decreases but density remains same

Q.51 In which Indian state are the renowned Bagh Caves, famous for their ancient murals, located?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Odisha
 - ☒ C. Madhya Pradesh
 - ☐ D. Chhattisgarh

Q.52 Which wildlife conservation strategy protects entire ecosystems rather than a single species?

- Ans**
- ☐ A. Seed banks
 - ☐ B. Biodiversity hotspots
 - ☐ C. Captive breeding
 - ☒ D. In-situ conservation

Q.53 Which of the following regions in India is characterised by brackish lakes locally known as playas?

- Ans**
- ☐ A. Malabar Coast
 - ☐ B. Western Ghats
 - ☐ C. Deccan Plateau
 - ☒ D. Thar Desert

Q.54 Which institute helped carry out the cloud seeding trial in Delhi in October 2025?

- Ans**
- ☐ A. IIT Madras
 - ☒ B. IIT Kanpur
 - ☐ C. IIT Bombay
 - ☐ D. IIT Guwahati

Q.55 Which organisation was founded by Raja Ram Mohan Roy in 1828?

- Ans**
- ☐ A. Prarthana Samaj
 - ☒ B. Brahmo Samaj
 - ☐ C. Arya Samaj
 - ☐ D. Ramakrishna Mission

Q.56 Which Amendment added Konkani, Manipuri, and Nepali to the Eighth Schedule?

- Ans**
- ☐ A. 42nd Amendment
 - ☒ B. 71st Amendment
 - ☐ C. 63rd Amendment
 - ☐ D. 52nd Amendment

Q.57 Which Article prohibits judicial inquiry into ministerial advice tendered to President during constitutional functioning?

- Ans**
- ☐ A. Article 78
 - ☐ B. Article 76
 - ☐ C. Article 72
 - ☒ D. Article 74

Q.58 Khut, Muqaddam and Patwari during the Delhi Sultanate were _____.

- Ans**
- ☒ A. village functionaries
 - ☐ B. royal court functionaries
 - ☐ C. town functionaries
 - ☐ D. provincial functionaries

Q.59 The Confederation of Indian Industry (CII) successfully concluded the 13th edition of EXCON 2025 in which of the following cities?

- Ans**
- ☐ A. Jaipur
 - ☐ B. New Delhi
 - ☐ C. Chandigarh
 - ☒ D. Bengaluru

Q.60 Which of the following is NOT a pull factor of migration?

- Ans**
- ☒ A. Socio-economic backwardness
 - ☐ B. Better job opportunities
 - ☐ C. Peace and stability
 - ☐ D. Security of life

Q.61 From which year onward does PDL (Parliament Digital Library) have the digitized archives of legislative debates?

- Ans**
- ☐ A. 1953
 - ☐ B. 1900
 - ☒ C. 1854
 - ☐ D. 1947

Q.62 In which year did the Government of India declare Odia as a classical language?

- Ans**
- ☒ A. 2014
 - ☐ B. 2004
 - ☐ C. 2017
 - ☐ D. 2005

Q.63 In Windows 11 operating system, what happens when Alt + F4 is pressed while no applications or windows are open?

- Ans**
- ☐ A. Opens the Task Manager window
 - ☐ B. Refreshes the desktop environment
 - ☒ C. Shows the system shutdown dialog
 - ☐ D. Launches the File Explorer window

Q.64 DNA and RNA are polymers made of long chains of _____.

- Ans**
- ☐ A. Amino acids
 - ☐ B. Monosaccharides
 - ☐ C. Fatty acids
 - ☒ D. Nucleotides

Q.65 The Dutch lost influence in India mainly due to their defeat by which European power?

- Ans**
- ☐ A. French
 - ☐ B. Portuguese
 - ☐ C. Danish
 - ☒ D. British

Q.66 According to Article 39A, the State shall:

- Ans**
- ☐ A. promote international peace and security
 - ☐ B. provide clean drinking water
 - ☐ C. provide religious freedom
 - ☒ D. provide free legal aid

Q.67 In Windows 11, what is the purpose of using `dir /s /b "syllabus.pdf"` inside Command Prompt?

- Ans**
- ☐ A. To open "syllabus.pdf" using the default PDF viewer
 - ☐ B. To copy "syllabus.pdf" into a new destination folder
 - ☐ C. To show the file size and attributes of "report.pdf"
 - ☒ D. To list full file paths of "syllabus.pdf" from all nested folders

Q.68 Which European country declared its exit from the International Criminal Court in April 2025?

- Ans**
- ☐ A. Bulgaria
 - ☒ B. Hungary
 - ☐ C. Slovakia
 - ☐ D. Czech Republic

Q.69 What was the main aim of the 1991 economic reforms in India regarding industries?

- Ans**
- ☐ A. To increase government control
 - ☐ B. To reduce agricultural output
 - ☒ C. To promote privatization and competition
 - ☐ D. To decrease foreign investment

Q.70 Which one of the following represents the correct formula for crude birth rate (CBR), where B = live births during the year; P= Estimated mid year population of the area?

- Ans**
- ☐ A. $(\text{Births} + \text{Population}) \times 100$
 - ☐ B. $(\text{Births} \times \text{Population}) \div 1000$
 - ☐ C. $(\text{Population} \div \text{Births}) \times 100$
 - ☒ D. $(\text{Births} \div \text{Population}) \times 1000$

Q.71 In a row of 54 students facing the north, Gagan is 13th from the right end. If Nitin is 17th to the left of Gagan, what is Nitin's position from the left end of the row?

- Ans**
- ☒ A. 23rd
 - ☒ B. 30th
 - ☒ C. 27th
 - ☒ D. 25th

Q.72 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All drawings are mountains.
All mountains are planes.

Conclusions:

(I) Some planes are mountains.
(II) All drawings are planes.

- Ans**
- ☒ A. Only conclusion (II) follows
 - ☒ B. Neither conclusion (I) nor (II) follows
 - ☒ C. Both conclusions (I) and (II) follow
 - ☒ D. Only conclusion (I) follows

Q.73 Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order.
Only Q is kept above I. Only two boxes are kept between I and S. R is kept immediately below I. Only K is kept below L.
Which box is kept second above J?

- Ans**
- ☒ A. I
 - ☒ B. Q
 - ☒ C. R
 - ☒ D. S

Q.74 Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north. Only three people sit between N and I. T sits to the immediate left of I. No one sits to the right of E. Only two people sit between E and T. A sits to the immediate right of R. How many people sit between G and A?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. One
 - ☒ D. Three

Q.75 What should come in place of '?' in the given series?
152 140 134 122 116 104 ?

- Ans**
- ☒ A. 98
 - ☒ B. 101
 - ☒ C. 100
 - ☒ D. 95

Q.76 If + means -, - means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$62 - 9 \div 94 + 480 \times 15 = ?$$

- Ans ☒ A. 620
☐ B. 629
☐ C. 611
☐ D. 606

Q.77 Refer to the following letter series and answer the question. (Counting to be done from left to right only.)
(Left) R U U K G S R E W Y P U K Q S T E Q Q U S V (Right)
How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans ☐ A. 1
☐ B. 2
☒ C. 0
☐ D. 3

Q.78 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$41 D 44 C 9 A 21 B 7 = ?$$

- Ans ☐ A. 1
☐ B. 2
☐ C. 3
☒ D. 0

Q.79 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(158, 141, 177)
(164, 147, 183)

- Ans ☐ A. (146, 129, 163)
☐ B. (122, 105, 139)
☒ C. (119, 102, 138)
☐ D. (131, 114, 151)

Q.80 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GTXI BXUK WBRM RFOO ?

- Ans ☐ A. MKLR
☐ B. NKKQ
☐ C. NJKR
☒ D. MJLQ

Q.81 In a certain code language, 'COLD' is coded as '4928' and 'CLOG' is coded as '7428'. What is the code for 'D' in the given code language?

- Ans ☒ A. 9
☐ B. 4
☐ C. 2
☐ D. 8

Q.82 In a certain code language,
A + B means 'A is the father of B',
A - B means 'A is the sister of B',
A × B means 'A is the daughter of B', and
A ÷ B means 'A is the mother of B'.
Based on the above, how is P related to T if 'P ÷ Q - R + S × T'?

- Ans**
- ☐ A. Sister's daughter
 - ☐ B. Daughter's daughter
 - ☐ C. Son's daughter
 - ☒ D. Husband's mother

Q.83 Mr. Yorly starts from Point A and drives 11 km towards West. He then takes a left turn, drives 13 km, turns left and drives 30 km. He then takes a left turn, drives 26 km, turns left and drives 5 km. He then takes a left turn and drives 8 km. He takes a final right turn, drives 14 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)

- Ans**
- ☐ A. 6 km to the North
 - ☐ B. 3 km to the East
 - ☐ C. 2 km to the East
 - ☒ D. 5 km to the South

Q.84 Each letter in the word HARMFUL is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

- Ans**
- ☒ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 2

Q.85 In a row of 42 people facing the north, Amala sits 18th from the left end. If only 12 people sit to the right of Sneha, then how many people sit between Amala and Sneha?

- Ans**
- ☐ A. 9
 - ☒ B. 11
 - ☐ C. 10
 - ☐ D. 12

Q.86 BEGH is related to HKMN in a certain way based on the English alphabetical order. In the same way, FIKM is related to LOQS. To which of the following is LNPS related, following the same logic?

- Ans**
- ☐ A. KMOR
 - ☒ B. RTVY
 - ☐ C. QSUX
 - ☐ D. MOQT

Q.87 ZACY is related to VWYU in a certain way based on the English alphabetical order. In the same way, QRTP is related to MNPL. To which of the following is CDFB related, following the same logic?

- Ans**
- ☐ A. YAAI
 - ☒ B. YZBX
 - ☐ C. YYAX
 - ☐ D. YZAX

Q.88 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VRX 1, TPV 4, RNT 9, PLR 16, ?

- Ans
- ☐ A. DOP 36
 - ☐ B. KPR 36
 - ☐ C. GSP 49
 - ☒ D. NJP 25

Q.89 Ay, Bx, Cu, Dq, Ep, Fv and Gt are sitting around a circular table, facing the centre. Cu sits second to the left of Fv. Gt sits second to the left of Cu. Dq sits to the immediate left of Ep. Ay sits second to the right of Ep. How many people sit between Bx and Ep when counted from the left of Bx?

- Ans
- ☐ A. Four
 - ☐ B. One
 - ☐ C. Two
 - ☒ D. Three

Q.90 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ A. QMJ
 - ☒ B. SOP
 - ☐ C. VRO
 - ☐ D. KGD

Q.91 What should come in place of ? in the given series based on the English alphabetical order?
MQS QUW UYA YCE ?

- Ans
- ☒ A. CGI
 - ☐ B. CFH
 - ☐ C. CHH
 - ☐ D. CDF

Q.92 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All tables are boxes.
Some boxes are desktops.

Conclusions:

(I) Some tables are desktops.
(II) Some boxes are tables.

- Ans
- ☐ A. Both conclusions (I) and (II) follow
 - ☐ B. Only conclusion (I) follows
 - ☒ C. Only conclusion (II) follows
 - ☐ D. Neither conclusion (I) nor (II) follows

Q.93 SMAL is related to PIVF in a certain way based on the English alphabetical order. In the same way, GWGN is related to DSBH. To which of the following options is XKRV related, following the same logic?

- Ans
- ☐ A. UGPM
 - ☐ B. UPLO
 - ☒ C. UGMP
 - ☐ D. UMPG

Q.94 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ✓ A. WE - ZJ
 - ✗ B. SZ - VD
 - ✗ C. BM - EQ
 - ✗ D. OA - RE

Q.95 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) D E I V D I J Y T Z A K F Z S M U I Y E Q (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- Ans**
- ✗ A. Four
 - ✗ B. One
 - ✓ C. Two
 - ✗ D. Three

Q.96 In a certain code language,
A = B means 'A is the sister of B',
A \$ B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A * B means 'A is the father of B'.

How is W related to G if 'W * F = K \$ L @ G'?

- Ans**
- ✗ A. Wife's brother
 - ✗ B. Father
 - ✗ C. Brother
 - ✓ D. Wife's father

Q.97 Which of the following two numbers should be interchanged to make the given equation correct?

$$(12 \times 8) \div 6 + 4 \times 13 - (36 \div 9) \times 15 + 25 = 49$$

- Ans**
- ✗ A. 12 and 36
 - ✓ B. 13 and 15
 - ✗ C. 4 and 6
 - ✗ D. 4 and 8

Q.98 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ A. BD - HJ
 - ✓ B. EH - KM
 - ✗ C. LN - RT
 - ✗ D. HJ - NP

Q.99 In a certain code language, 'yak lock zip' is coded as 'je tc ly' and 'zip shirt cake' is coded as 'rl jg tc'. How is 'zip' coded in the given language?

- Ans**
- ✗ A. rl
 - ✗ B. je
 - ✓ C. tc
 - ✗ D. ly

Q.100 What should come in place of the '?' in the given series?

3 ? 90 360 1080 2160 2160

Ans  A. 18

 B. 21

 C. 36

 D. 15

Railway BABA



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	20/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 Evaluate $22^3 + (-16)^3 + (-6)^3$

Ans ☒ A. 6220

☒ B. 6313

☒ C. 6336

☒ D. 6303

Q.2 A floor is paved with 500 identical parallelogram – shaped tiles. The base and corresponding height of each tile are 8 cm and 6 cm, respectively. What is the total area of the floor covered by the tiles (in cm^2)?

Ans ☒ A. 26,000

☒ B. 28,000

☒ C. 24,000

☒ D. 20,000

Q.3 Two taps can fill a cistern in 4 hours and 17 hours, respectively. A third tap can empty it in 17 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

Ans ☒ A. 4

☒ B. 2

☒ C. 3

☒ D. 1

Q.4 Find the value of m which satisfies

$$\left(\frac{22}{5}\right)^{18} \times \left(\frac{5}{22}\right)^8 \times \left(\frac{22}{5}\right)^6 = \left(\frac{5}{22}\right)^{9m+4}$$

Ans ☒ A. $-\frac{20}{9}$

☒ B. $-\frac{10}{9}$

☒ C. $-\frac{17}{9}$

☒ D. $-\frac{16}{9}$

Q.5 Three friends P, Q, and R start a business by investing in the ratio 2:3:5. If the total profit is ₹10,000, how much more does R receive than P?

- Ans**
- ☐ A. ₹4,000
 - ☐ B. ₹2,000
 - ☐ C. ₹1,000
 - ☒ D. ₹3,000

Q.6 A vertical tower stands on level ground. From a point P, the angle of elevation to the top is 30° . After moving 100 m closer to the tower along the line joining P to the foot of the tower, the angle of elevation becomes 60° . The height of the tower is:

- Ans**
- ☐ A. $75\sqrt{3}$ meters
 - ☐ B. $25\sqrt{3}$ meters
 - ☐ C. $150\sqrt{3}$ meters
 - ☒ D. $50\sqrt{3}$ meters

Q.7 A shopkeeper sells a watch at a loss of 10%. If he had sold it for ₹450 more, he would have made a profit of 5%. What is the cost price of the watch?

- Ans**
- ☒ A. ₹3,000
 - ☐ B. ₹3,500
 - ☐ C. ₹4,000
 - ☐ D. ₹4,500

Q.8 If a sphere with radius 10 cm is painted, but 25% of its surface area is masked and not painted, what is the painted area?

- Ans**
- ☐ A. $100\pi \text{ cm}^2$
 - ☒ B. $300\pi \text{ cm}^2$
 - ☐ C. $400\pi \text{ cm}^2$
 - ☐ D. $200\pi \text{ cm}^2$

Q.9 A shopkeeper fixes the marked price of an item 165% above its cost price. What percentage of discount on marked price should be allowed to gain 112%?

- Ans**
- ☒ A. 20%
 - ☐ B. 23%
 - ☐ C. 21%
 - ☐ D. 19%

Q.10 A, B and C are three batsmen. The ratio of runs scored by them in a certain match was $A : B = 15 : 17$ and $B : C = 14 : 19$. At the end of the match, they scored 1542 runs. Find the number of runs scored by A.

- Ans**
- ☐ A. 520
 - ☒ B. 420
 - ☐ C. 540
 - ☐ D. 480

Q.11 A car travels 120 km at 40 km/h, 120 km at 60 km/h, and 100 km at 80 km/h. What is the average speed of the car for the whole journey?

- Ans**
- ☒ A. 54.4 km/h
 - ☐ B. 62.5 km/h
 - ☐ C. 55.6 km/h
 - ☐ D. 65 km/h

Q.12 The HCF of two numbers is 8, and their LCM is 240. If the sum of the two numbers is 88, what are the numbers?

- Ans**
- ☐ A. 16 and 72
 - ☐ B. 32 and 56
 - ☒ C. 40 and 48
 - ☐ D. 24 and 64

Q.13 ABC is an equilateral triangle with side 24 cm and AD is the median. If G is the centroid of the triangle ABC, find the length (in cm) of GD.

- Ans**
- ☒ A. $4\sqrt{3}$
 - ☐ B. $6\sqrt{2}$
 - ☐ C. $3\sqrt{2}$
 - ☐ D. $9\sqrt{3}$

Q.14 If the interest on a sum of ₹y at 10% per annum compounded annually for 2 years is ₹630, then the total amount payable at the end of the two-year period will be _____.

- Ans**
- ☐ A. ₹3,540
 - ☐ B. ₹3,950
 - ☐ C. ₹4,100
 - ☒ D. ₹3,630

Q.15 If the 8-digit number 79243p25 is divisible by 11, then the minimum value of p is:

- Ans**
- ☒ A. 7
 - ☐ B. 2
 - ☐ C. 8
 - ☐ D. 4

Q.16 In a smart city, the number of electric vehicles increased by 18% in 2021 and 22% in 2022. What is the total percentage increase in electric vehicles over the two years?

- Ans**
- ☐ A. 46%
 - ☒ B. 43.96%
 - ☐ C. 40%
 - ☐ D. 41.6%

Q.17 If the arithmetic mean of five numbers is 20 and one number is changed from 10 to 20, what happens to the mean?

- Ans**
- ☐ A. It decreases by 5
 - ☐ B. It decreases by 2
 - ☐ C. It stays the same
 - ☒ D. It increases by 2

Q.18 A wholesaler offers a discount of 10% on a commodity, marked at ₹3,000, on an order of less than 20 items. Also, on an order of more than 20 items, an additional discount of 5% is offered on the commodity. What amount does a retailer have to pay to purchase 25 items of the commodity whose marked price is ₹3,000?

- Ans**
- ☐ A. ₹72,543
 - ☐ B. ₹25,650
 - ☒ C. ₹64,125
 - ☐ D. ₹26,125

Q.19 Riya, Kabir, and Sana start a business together. Riya invests ₹13500 for 8 months, Kabir invests ₹21000 for 6 months, and Sana invests ₹18000 for 12 months. At the end of the year, they earn a total profit of ₹12,600. What is Kabir's share of the profit (in ₹)?

- Ans
- ✓ A. ₹3,528
 - ✗ B. ₹4,030
 - ✗ C. ₹4,285
 - ✗ D. ₹3,722

Q.20 The weighted average marks of a student in Physics, Chemistry and Mathematics are 68. The weightages of the subjects Physics, Chemistry and Mathematics are in the ratio 3 : 2 : 5. If the student scored 60 in Physics and 70 in Chemistry, then find the marks in Mathematics.

- Ans
- ✗ A. 68
 - ✗ B. 66
 - ✓ C. 72
 - ✗ D. 74

Q.21 The present ages of P and Q are in the ratio 4 : 5. Eight years ago, the ratio of their ages was 2 : 3. The harmonic mean of their present ages is

- Ans
- ✓ A. $17\frac{7}{9}$ years
 - ✗ B. $19\frac{7}{9}$ years
 - ✗ C. $16\frac{7}{9}$ years
 - ✗ D. $18\frac{7}{9}$ years

Q.22 Given that $119^{0.49} = x$, $119^{0.62} = y$ and $x^z = y^6$, then the value of z is close to:

- Ans
- ✗ A. 6.63
 - ✗ B. 6.55
 - ✗ C. 9.75
 - ✓ D. 7.59

Q.23 Three numbers are in the ratio 3 : 2 : 11, and their LCM is 3564. Their HCF is:

- Ans
- ✗ A. 88
 - ✓ B. 54
 - ✗ C. 67
 - ✗ D. 38

Q.24 A car travels a distance of 540 km. For the first 3 hours, it travels at a speed of 80 km/h, and for the remaining hours, it reduces its speed to 60 km/h. Find the total time taken by the car to cover the entire distance.

- Ans
- ✗ A. 4 hours
 - ✗ B. 6 hours
 - ✓ C. 8 hours
 - ✗ D. 2 hours

Q.25 The sum of two digits of a 2-digit number is 9. If the number obtained by interchanging the digits exceeds the original number by 27, find the number.

- Ans
- ✗ A. 45
 - ✗ B. 27
 - ✓ C. 36
 - ✗ D. 63

Q.26 Priya lent ₹920 to her friend at 5% per annum simple interest for 3 years. How much simple interest does she earn in this period?

- Ans**
- ☐ A. ₹145
 - ☐ B. ₹127
 - ☐ C. ₹150
 - ☒ D. ₹138

Q.27 Which single digit should replace the blank in the number 1_36 so that the number is divisible by 9?

- Ans**
- ☐ A. 3
 - ☒ B. 8
 - ☐ C. 1
 - ☐ D. 5

Q.28 The population of a town decreased from 8,000 to 7,200 in one year. What is the percentage decrease?

- Ans**
- ☒ A. 10%
 - ☐ B. 12%
 - ☐ C. 15%
 - ☐ D. 8%

Q.29 X can finish a job in 20 days. Y can complete the same job in 15 days. If X and Y work together for 5 days and X leaves, how long will Y take to finish the remaining work?

- Ans**
- ☒ A. 6.25 days
 - ☐ B. 7 days
 - ☐ C. 4.5 days
 - ☐ D. 5 days

Q.30 A vendor uses a 50 g stone in place of a 60 g weight while selling salt. If he sells the salt at the cost price per kilogram, what is his profit percentage on the transaction?

- Ans**
- ☒ A. 20%
 - ☐ B. 18%
 - ☐ C. 15%
 - ☐ D. 16.67%

Section : **General Awareness**

Q.31 Which of the following statements about the National Industrial Corridor Development Programme is INCORRECT?

- Ans**
- ☐ A. It seeks to develop new industrial cities as smart cities by integrating next-generation technologies across infrastructure sectors
 - ☐ B. It is an infrastructure initiative that aims to shape the future of urban and industrial development
 - ☐ C. It aims at providing complete "plug and play" infrastructure till the plot level along with building sustainable future ready cities
 - ☒ D. The program started with the launch of Palakkad-Bangalore-Mumbai-Ahmedabad Industrial Corridor in 2010

Q.32 Who among the following wrote the book 'The World After Gaza'?

- Ans**
- ☐ A. Dr. S Jaishankar
 - ☐ B. Dr. Aishwarya Pandit
 - ☐ C. Amitabh Kant
 - ☒ D. Pankaj Mishra

Q.33 The International Day for the Elimination of Violence against Women marks the beginning of which global campaign?

- Ans**
- ☐ A. 30 Days of Human Rights Protection
 - ☐ B. 7 Days for Women
 - ☒ C. 16 Days of Activism against Gender-Based Violence
 - ☐ D. 10 Days of Equality

Q.34 Which of the following Deccan rulers defeated Harshavardhana and assumed the title “Dakshinapatheshvara” (Lord of the Deccan)?

- Ans**
- ☐ A. Dhruva Dharavarsha
 - ☐ B. Vikramaditya I
 - ☐ C. Narasimhavarman I
 - ☒ D. Pulakeshin II

Q.35 The Supreme Court of India can issue how many types of writs (orders)?

- Ans**
- ☐ A. 2
 - ☐ B. 3
 - ☐ C. 6
 - ☒ D. 5

Q.36 As mentioned in the Economic Survey 2024-25, what was the diaspora population of India in 2020?

- Ans**
- ☐ A. 12 million
 - ☒ B. 18 million
 - ☐ C. 26 million
 - ☐ D. 32 million

Q.37 Which combination correctly matches the device with its primary function?

- Ans**
- ☐ A. OCR – Recognizing magnetic ink characters
 - ☐ B. Barcode Reader – Capturing handwritten text
 - ☐ C. MICR – Reading barcodes
 - ☒ D. OMR – Detecting shaded marks on paper

Q.38 Which Article allows constitutional remedies for enforcement of Fundamental Rights by courts?

- Ans**
- ☐ A. Article 226
 - ☐ B. Article 300
 - ☒ C. Article 32
 - ☐ D. Article 44

Q.39 Which mountain range lies immediately to the south of the Vindhyan Range, separated by the Narmada Valley?

- Ans**
- ☐ A. Aravalli Range
 - ☒ B. Satpura Range
 - ☐ C. Western Ghats
 - ☐ D. Eastern Ghats

Q.40 Which of the following correctly pairs the provision and its subject as per the Indian Constitution?

- Ans**
- ☐ A. Article 7 – Power of Parliament to regulate citizenship
 - ☒ B. Article 5 – Citizenship at commencement
 - ☐ C. Article 9 – Citizenship by registration
 - ☐ D. Article 11 – Citizenship by birth

Q.41 Which of the following classical dance forms of India originated among the Kathakars (storytellers) of northern India, later incorporating elements of Bhakti traditions as well as Persian and Central Asian influences during the Mughal period?

- Ans**
- ☒ A. Kathak
 - ☐ B. Kuchipudi
 - ☐ C. Mohiniyattam
 - ☐ D. Bharatanatyam

Q.42 India and Russia conducted 14th Edition of Maritime Bilateral Exercise INDRA 2025 on which of the following coasts?

- Ans**
- ☐ A. Mangaluru
 - ☒ B. Chennai
 - ☐ C. Vishakhapatnam
 - ☐ D. Kochi

Q.43 Which of the following activities formed a central component of the extremist strategy of political mobilisation in the early nationalist phase of India's freedom struggle?

- Ans**
- ☒ A. Promoting swadeshi through the boycott of foreign goods and local production
 - ☐ B. Replacing mass meetings with secret organisations focused on covert action
 - ☐ C. Limiting participation to educated elites through controlled political forums
 - ☐ D. Adopting British constitutional practices as the primary model for reform

Q.44 AR Rahman won the Academy Award for Best Original Score for which film?

- Ans**
- ☐ A. Rockstar
 - ☐ B. Lagaan
 - ☐ C. Dil Se
 - ☒ D. Slumdog Millionaire

Q.45 In which year was the Hindustan Republican Association (HRA) formed?

- Ans**
- ☐ A. 1920
 - ☒ B. 1924
 - ☐ C. 1922
 - ☐ D. 1926

Q.46 The Sardar Sarovar Project is built on which river?

- Ans**
- ☐ A. Mahi
 - ☒ B. Narmada
 - ☐ C. Tapi
 - ☐ D. Sabarmati

Q.47 Diabetes, cancer, and asthma are collectively known as which type of disorders?

- Ans**
- ☐ A. Communicable diseases
 - ☐ B. Airborne diseases
 - ☒ C. Non-communicable diseases
 - ☐ D. Deficiency diseases

Q.48 The Arms Act of 1878 was introduced during the tenure of which Viceroy of British India?

- Ans**
- ☐ A. Lord Curzon
 - ☐ B. Lord Wellesley
 - ☒ C. Lord Lytton
 - ☐ D. Lord Ripon

Q.49 Which molecule is primarily responsible for storing genetic information in most living organisms?

- Ans**
- ☒ A. DNA
 - ☐ B. RNA
 - ☐ C. Protein
 - ☐ D. Lipid

Q.50 Who among the following announced the UN80 initiative in 2025?

- Ans**
- ☐ A. Judge Yuji Iwasawa
 - ☐ B. Dr. Tedros Adhanom Ghebreyesus
 - ☒ C. António Guterres
 - ☐ D. Bob Rae

Q.51 Which of the following was a major military reason behind the construction of Siri Fort?

- Ans**
- ☐ A. To celebrate Khilji's victory over the Cholas
 - ☐ B. To serve as a trading hub for the Songara Rajputs
 - ☒ C. To protect Delhi from Mongol attacks
 - ☐ D. To house Buddhist monasteries

Q.52 Which Indian ministry, in collaboration with the International Council for Circular Economy (ICCE), unveiled the 'I Am Circular' Coffee Table Book in April 2024?

- Ans**
- ☐ A. Ministry of education
 - ☒ B. Ministry of Electronics and Information Technology
 - ☐ C. Ministry of Finance
 - ☐ D. Ministry of Information and Broadcasting

Q.53 Who succeeded Bahlol Lodi and ascended the throne in AD 1489?

- Ans**
- ☒ A. Sikandar Lodi
 - ☐ B. Ibrahim Lodi
 - ☐ C. Alam Shah
 - ☐ D. Muhammad Shah

Q.54 In March 2025, ISRO developed Vikram 3201 and Kalpana 3201. These are example of which of the following?

- Ans**
- ☐ A. New launch vehicles
 - ☐ B. Space telescopes
 - ☒ C. 32-bit microprocessors
 - ☐ D. Navigation satellites

Q.55 Which institution is primarily responsible for providing and regulating credit for the promotion of agriculture and rural development in India?

- Ans**
- ☐ A. Ministry of Finance
 - ☒ B. National Bank for Agriculture and Rural Development (NABARD)
 - ☐ C. Reserve Bank of India (RBI)
 - ☐ D. State Bank of India (SBI)

Q.56 A computer's characteristic of Accuracy means it can produce precise and correct results as long as the _____ is/are correct.

- Ans**
- ☒ A. input data and instructions
 - ☐ B. size of the system's RAM
 - ☐ C. speed of the processor
 - ☐ D. resolution of the display screen

Q.57 Considering the periodic trends, which property explains why noble gases are chemically inert under standard conditions?

- Ans**
- ☐ A. High electronegativity
 - ☐ B. Low ionization energy
 - ☒ C. Completely filled valence shell
 - ☐ D. High atomic mass

Q.58 Under an MoU signed on 2 September 2025 between the Department of Ex-Servicemen Welfare and Patanjali Yoggram, nearly six million veterans and their dependents will receive free access to which type of treatment?

- Ans**
- ☐ A. Allopathic treatment
 - ☐ B. Advanced cardiac treatment
 - ☐ C. Oncology treatment
 - ☒ D. AYUSH treatment

Q.59 Which of the following is an example of a fibre crop in India?

- Ans**
- ☐ A. Cucumber
 - ☐ B. Turnip
 - ☐ C. Radish
 - ☒ D. Jute

Q.60 The Right to Information Act 2005 was extended to the whole of India except which of the following state/UT at the time of enactment in 2005?

- Ans**
- ☒ A. Jammu and Kashmir
 - ☐ B. Tripura
 - ☐ C. West Bengal
 - ☐ D. Mizoram

Q.61 Where is the head office of the National Institute of Rural Development and Panchayati Raj in India?

- Ans**
- ☐ A. Lucknow
 - ☒ B. Hyderabad
 - ☐ C. Delhi
 - ☐ D. Patna

Q.62 The governor can dissolve Vidhan Sabha before the completion of its term on the advice of the _____.

- Ans**
- ☐ A. High Court of the State
 - ☐ B. Election Commission
 - ☒ C. Chief Minister
 - ☐ D. President

Q.63 The thorn and scrub vegetation of India is mainly found in which region?

- Ans**
- ☐ A. Malabar Coast
 - ☐ B. Eastern Himalayas
 - ☐ C. Sundarbans
 - ☒ D. Western Rajasthan

Q.64 The dissolution of which of the following in water makes the solution acidic due to the formation of sulphurous acid?

- Ans**
- ☐ A. Sulphonic acid
 - ☐ B. Sulphur trioxide
 - ☒ C. Sulphur dioxide
 - ☐ D. Sulphur hexafluoride

Q.65 When using the search term Invoice* in Windows 11 File Explorer, which files will be found?

- Ans**
- ☐ A. Files that have "Invoice" anywhere in the name
 - ☒ B. Files that begin with the word "Invoice"
 - ☐ C. Files that contain exactly the word "Invoice"
 - ☐ D. Files that end with the word "Invoice"

Q.66 What is the primary function of the keyboard shortcut Ctrl + H in applications like MS Word?

- Ans**
- ☐ A. Displays document history
 - ☐ B. Opens the Help window
 - ☒ C. Opens the Find and Replace dialog box
 - ☐ D. Highlights selected text

Q.67 Which two countries signed a peace accord known as the 'Kuala Lumpur Peace Accord' in October 2025?

- Ans**
- ☐ A. Thailand and Myanmar
 - ☐ B. Malaysia and Indonesia
 - ☒ C. Cambodia and Thailand
 - ☐ D. Vietnam and Cambodia

Q.68 Which neighbouring country is separated from India by the Palk Strait?

- Ans**
- ☒ A. Sri Lanka
 - ☐ B. Afghanistan
 - ☐ C. Myanmar
 - ☐ D. Maldives

Q.69 Which of the following traditional art forms originated in the Mithila region of Bihar?

- Ans**
- ☐ A. Warli paintings
 - ☒ B. Madhubani paintings
 - ☐ C. Kalamkari paintings
 - ☐ D. Pattachitra paintings

Q.70 In which year was the Ninth Amendment to the Constitution passed in India?

- Ans**
- ☐ A. 1950
 - ☒ B. 1960
 - ☐ C. 1964
 - ☐ D. 1962

Section : General Intelligence and Reasoning

Q.71 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DCF–GFI
YXA–BAD

- Ans**
- ☒ A. TRT–WVY
 - ☒ B. RQT–UTW
 - ☒ C. TSV–VVX
 - ☒ D. TRT–VUX

Q.72 What should come in place of the ‘?’ in the given series?

8 15 28 53 ? 199

- Ans**
- ☒ A. 102
 - ☒ B. 103
 - ☒ C. 104
 - ☒ D. 101

Q.73 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. FZO
 - ☒ B. ICW
 - ☒ C. NHB
 - ☒ D. GAU

Q.74 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

FORK – ORKF – RKFO
TUCK – UCKT – CKTU

- Ans**
- ☒ A. BAKE - AKEB - KEBA
 - ☒ B. THEM - MTHE - EMTH
 - ☒ C. FUND - UNFD - NFUD
 - ☒ D. CLOT - CTLO - COTL

Q.75 Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 9 5 3 8 4 4 2 9 8 9 4 6 6 5 7 7 2 4 1 3 6 3 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☒ A. One
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. Two

Q.76 In a certain code language,
A ÷ B means 'A is the son of B',
A # B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A & B means 'A is the father of B'.

How is S related to H if 'S + D & R # Y ÷ H'?

- Ans
- ☐ A. Son's wife's brother's son
 - ☐ B. Wife's father's brother
 - ☒ C. Son's wife's father's brother
 - ☐ D. Son's wife's father's sister

Q.77 Seven boxes, G, H, I, L, M, N and O, are kept one over the other, but not necessarily in the same order.
No box is kept below L. Only four boxes are kept between M and L. H is kept above M. Only two boxes are kept between O and N. I is kept immediately above G. N is not kept immediately above I.
Which box is kept fourth from the bottom?

- Ans
- ☐ A. O
 - ☐ B. M
 - ☐ C. N
 - ☒ D. I

Q.78 Anamika starts from Point A and drives 2 km towards the north. She then takes a right turn, drives 5 km, turns right and drives 7 km. She then takes a right turn and drives 8 km. She takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☒ A. 3 km to the east
 - ☐ B. 2 km to the west
 - ☐ C. 1 km to the east
 - ☐ D. 4 km to the east

Q.79 Each vowel in the word CONTACT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be first from the right in the new group of letters thus formed?

- Ans
- ☐ A. T
 - ☐ B. R
 - ☒ C. S
 - ☐ D. U

Q.80 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ A. QM – XJ
 - ☐ B. HP – OM
 - ☐ C. RD – YA
 - ☒ D. LG – SC

Q.81 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
DKW : HEV
EGK : IAJ

- Ans
- ☐ A. SOT : WJS
 - ☒ B. LRD : PLC
 - ☐ C. FQK : JKL
 - ☐ D. JGX : NAV

Q.82 Seven boxes R, A, N, D, O, M and S are kept one over the other but not necessarily in the same order. Only five boxes are kept above N. Only three boxes are kept between N and S. O is kept at one of the positions below N. Only D is kept between S and R. A is kept at one of the positions above S. How many boxes are kept between R and O?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☐ C. Four
 - ☒ D. Two

Q.83 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. KH - MJ
 - ☐ B. IF - KH
 - ☐ C. NK - PM
 - ☒ D. PM - NM

Q.84 If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8254316, then what will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- Ans**
- ☒ A. 14
 - ☐ B. 13
 - ☐ C. 15
 - ☐ D. 12

Q.85 In a certain code language, "JCPV" is coded as "51" and "DYSF" is coded as "48". What is the code for "HTOB" in that given language?

- Ans**
- ☐ A. 50
 - ☐ B. 53
 - ☐ C. 49
 - ☒ D. 57

Q.86 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) R D A U F U E Q Y U M U Y G J S P B A J L Q S H (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

- Ans**
- ☐ A. Two
 - ☐ B. Four
 - ☒ C. Three
 - ☐ D. One

Q.87 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PHX 80, TLB 73, XPF 66, BTJ 59, ?

- Ans**
- ☐ A. GYM 44
 - ☐ B. HYN 49
 - ☐ C. GWM 50
 - ☒ D. FXN 52

Q.88 In a certain code language, 'zip sip unit' is coded as 'zm ax jn' and 'wife zip house' is coded as 'jn yc fj'. How is 'zip' coded in that language?

- Ans**
- ☒ A. ax
 - ☒ B. zm
 - ☒ C. jn
 - ☒ D. yc

Q.89 If 'A' stands for '+', 'B' stands for '−', 'C' stands for '×' and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$34 \text{ B } 45 \text{ D } 5 \text{ A } 2 \text{ C } 4 = ?$$

- Ans**
- ☒ A. 35
 - ☒ B. 33
 - ☒ C. 37
 - ☒ D. 31

Q.90 A is the wife of C. L and O are the son and daughter of C, respectively. Q is the wife of L and L is the father of G. M is the husband of O and M is the father of D. How is A related to D?

- Ans**
- ☒ A. Mother's mother
 - ☒ B. Mother
 - ☒ C. Sister
 - ☒ D. Father's mother

Q.91 What should come in place of '?' in the given series?

$$47 \ 61 \ 78 \ 98 \ 121 \ 147 \ ?$$

- Ans**
- ☒ A. 168
 - ☒ B. 176
 - ☒ C. 173
 - ☒ D. 180

Q.92 If + means −, − means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$41 - 16 \div 271 + 611 \times 13 = ?$$

- Ans**
- ☒ A. 866
 - ☒ B. 812
 - ☒ C. 880
 - ☒ D. 860

Q.93 Seven boxes M, N, O, P, X, Y and Z are kept one over the other but not necessarily in the same order. Only N is kept above P. Only two boxes are kept between P and X. Only O is kept below Y. Z is not kept immediately above X. Which box is kept second above M?

- Ans**
- ☒ A. Z
 - ☒ B. O
 - ☒ C. X
 - ☒ D. P

Q.94 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements. Statements: Some butters are vegetables. All scales are vegetables. Conclusions (I) Some butters are scales. Conclusions (II) All vegetables are scales.

- Ans**
- ☒ A. Only conclusion (I) follows
 - ☒ B. Neither conclusion (I) nor (II) follows
 - ☒ C. Only conclusion (II) follows
 - ☒ D. Both conclusions (I) and (II) follow

Q.95 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

OSR NRQ MQP LPO ?

- Ans**
- ☒ A. KNM
 - ☒ B. KON
 - ☒ C. KPM
 - ☒ D. KLN

Q.96 A, B, D, J, O, T and Z are sitting around a circular table facing the center. Only two people sit between A and Z when counted from the left of A. J is an immediate neighbor of Z. Only one person sits between J and O when counted from the left of J. O is not an immediate neighbor of Z. T sits immediately to the left of D. How many people sit between B and O when counted from the left of O?

- Ans**
- ☒ A. Five
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.97 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 8, 14)
(19, 22, 28)

- Ans**
- ☒ A. (26, 29, 34)
 - ☒ B. (15, 18, 34)
 - ☒ C. (41, 44, 52)
 - ☒ D. (34, 37, 43)

Q.98 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. F sits third to the left of A and F sits third to the right of D. E sits third to the left of B and B sits to the immediate left of G. How many people sit between G and E?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. None

Q.99 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All desktops are fans.

All fans are cups.

Conclusions:

(I) Some cups are fans.

(II) All desktops are cups.

- Ans**
- ☒ A. Only conclusion (I) follows
 - ☒ B. Both conclusions (I) and (II) follow
 - ☒ C. Neither conclusion (I) nor (II) follows
 - ☒ D. Only conclusion (II) follows

Q.100 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PSV3 , WZC13 , DGJ23 , KNQ33 , ?

- Ans**
- ☒ A. RVX43
 - ☒ B. RUY43
 - ☒ C. SUX43
 - ☒ D. RUX43



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL



Test Date	20/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Mathematics

Q.1 A person walks 40 km at a speed of 5 km/hr, then runs 30 km at a speed of 10 km/hr. What is the ratio of walking time to running time?

- Ans
- ☒ A. 3 : 8
 - ☒ B. 3 : 5
 - ☒ C. 5 : 3
 - ☒ D. 8 : 3

Q.2 Suppose the ratio of income to expenditure is 8 : 5. If income rises by 40% and expenditure falls by 10%, and the initial expenditure is ₹10,000, what is the amount (in ₹) of saving after these changes?

- Ans
- ☒ A. 13,400
 - ☒ B. 13,500
 - ☒ C. 13,300
 - ☒ D. 13,200

Q.3 The area of a regular polygon with a side of 11 cm is 247.5 cm^2 . If the perpendicular distance from the centre to the side of the polygon is 9 cm, what is the number of sides of the polygon?

- Ans
- ☒ A. 8
 - ☒ B. 5
 - ☒ C. 7
 - ☒ D. 6

Q.4 The largest four-digit number which when divided by 6, 10 and 14 leaves remainder 3 in each case is:

- Ans
- ☒ A. 9873
 - ☒ B. 9716
 - ☒ C. 9889
 - ☒ D. 9932

Q.5 If $6^x - 6^{x-1} = 180$, then the value of $\frac{2x-1}{2x+3}$ is:

- Ans
- ☐ A. $\frac{5}{14}$
 - ☒ B. $\frac{5}{9}$
 - ☐ C. $\frac{5}{6}$
 - ☐ D. $\frac{5}{12}$

Q.6 S's expenditure is double the difference between his savings and expenditure. What percentage of his salary is his expenditure?

- Ans
- ☒ A. 40%
 - ☐ B. 42%
 - ☐ C. 46%
 - ☐ D. 44%

Q.7 A customer is given two options for purchasing a product priced at ₹8,000:

Option 1: A single discount of 30%.

Option 2: Successive discounts of 20% and 15%.

Which option provides a greater discount, and by how much?

- Ans
- ☒ A. Option 2 and by ₹160
 - ☐ B. Option 1 and by ₹160
 - ☐ C. Option 1 and by ₹150
 - ☐ D. Option 2 and by ₹150

Q.8 Pipe A can fill a cistern in 10 hours, pipe B in 15 hours, and pipe C can empty it in 30 hours. All three pipes are opened together. After 6 hours, pipe A is closed, but B and C continue working. How much total time will it take to completely fill the cistern?

- Ans
- ☐ A. 20 hours
 - ☐ B. 10 hours
 - ☒ C. 12 hours
 - ☐ D. 15 hours

Q.9 ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 14$ cm, $BC = 64$ cm, $DC = 72$ cm, and $AD = 47$ cm, then what is the length (in cm) of EF?

- Ans
- ☐ A. 27
 - ☐ B. 28
 - ☒ C. 29
 - ☐ D. 31

Q.10 If the median of the data $\frac{x}{5}, x, \frac{x}{3}, \frac{2x}{3}, \frac{x}{4}, \frac{2x}{5}$ and $\frac{3x}{4}$, where $x > 0$ is 8.4, then find the value of x.

- Ans
- ☐ A. 12
 - ☐ B. 16
 - ☐ C. 24
 - ☒ D. 21

Q.11 An article is sold at a profit of 32%. If the cost price is increased by ₹20 and the selling price is reduced by ₹42, then the profit would be 27.5%. What is the original cost price (in ₹) of the article?

- Ans**
- ☒ A. 1,500
 - ☐ B. 1,800
 - ☐ C. 1,200
 - ☐ D. 1,700

Q.12 Two taps can fill a cistern in 4 hours and 20 hours, respectively. A third tap can empty it in 20 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

- Ans**
- ☐ A. 3
 - ☐ B. 4
 - ☐ C. 2
 - ☒ D. 1

Q.13 Simplify: $30 + \{-9 \times (26 - 11 + 3)\}$

- Ans**
- ☒ A. -132
 - ☐ B. -134
 - ☐ C. -135
 - ☐ D. -133

Q.14 The 7-digit number 12A916B is divisible by 24. What is the maximum value of (A + B)?

- Ans**
- ☐ A. 16
 - ☒ B. 17
 - ☐ C. 13
 - ☐ D. 12

Q.15 The sum of two positive numbers is 88 and their product is 1927. The positive difference between them is:

- Ans**
- ☐ A. 17
 - ☐ B. 26
 - ☒ C. 6
 - ☐ D. 21

Q.16 If a and b are two coprime numbers such that $a + b = 41$, then what is the maximum possible value of $a \times b$?

- Ans**
- ☐ A. 360
 - ☐ B. 540
 - ☒ C. 420
 - ☐ D. 210

Q.17 A trader fixes the marked price of an article at ₹10,630. He sells it to customers for ₹9248.10 after giving certain discount. Find the discount percentage.

- Ans**
- ☒ A. 13%
 - ☐ B. 14%
 - ☐ C. 12%
 - ☐ D. 9%

Q.18 A solid cylinder of radius R and height H, is melted and recast into three identical cylinders, each having the same height as the original cylinder but half the radius of the original cylinder. What fraction of the original cylinder's volume remains unused?

- Ans
- ☐ A. $\frac{3}{4}$
 - ☒ B. $\frac{1}{4}$
 - ☐ C. $\frac{2}{3}$
 - ☐ D. $\frac{1}{2}$

Q.19 Saumya has ₹ 24,800 in denominations of ₹500 and ₹100 notes. The number of ₹500 notes is 4 more than the number of ₹100 notes. Find the number of ₹100 notes.

- Ans
- ☐ A. 40
 - ☒ B. 38
 - ☐ C. 42
 - ☐ D. 36

Q.20 Three bags A, B, and C contain only red and blue marbles. In Bag A, the ratio of red to blue marbles is 2 : 3. In Bag B, the ratio of red to blue marbles is 4 : 1. In Bag C, the ratio of red to blue marbles is 3 : 2. Which bag has the highest proportion of red marbles?

- Ans
- ☐ A. Bag A
 - ☐ B. Bag C
 - ☒ C. Bag B
 - ☐ D. All bags have the same proportion.

Q.21 A man sells a watch at a loss of 10%. Had he increased the selling price by ₹120, the transaction would have resulted in a gain of 5%. Determine the selling price of the watch.

- Ans
- ☐ A. ₹840
 - ☒ B. ₹720
 - ☐ C. ₹760
 - ☐ D. ₹800

Q.22 The simple interest on ₹55,000 at 5.5% per annum simple rate of interest is ₹_____ in 5.5 years.

- Ans
- ☒ A. 16,637.5
 - ☐ B. 14,452.5
 - ☐ C. 15,525.5
 - ☐ D. 17,712.5

Q.23 Simplify: $0.375 + \frac{3}{8} - 0.125$

- Ans
- ☐ A. 0.875
 - ☒ B. 0.625
 - ☐ C. 0.5
 - ☐ D. 0.75

Q.24 A sum becomes ₹9,075 after 2 years at 10% per annum compound interest, compounded annually. What was the principal amount (in ₹)?

- Ans**
- ☒ A. 7,650
 - ☒ B. 7,800
 - ☒ C. 7,500
 - ☒ D. 8,000

Q.25 From the top of a building 20 m high, the angles of depression of the top and the bottom of a tower standing on the same horizontal ground are observed to be 30° and 60° , respectively. The height (in meter) of the tower is:
(Round off your answer to two decimal places.)

- Ans**
- ☒ A. 13.33 m
 - ☒ B. 12.67 m
 - ☒ C. 13.67 m
 - ☒ D. 12.33 m

Q.26 A cyclist travels from point A to B and then returns from B to A along the same route. On the onward journey, he covers two-fifths of the distance at 15 km/hr and the remaining distance at 20 km/hr. On the return journey, he covers one-fourth of the distance at 16 km/hr and the remaining distance at 24 km/hr. Find the average for the entire trip. (Round off your answer to two decimal places.)

- Ans**
- ☒ A. 19.32 km/hr
 - ☒ B. 20.56 km/hr
 - ☒ C. 17.54 km/hr
 - ☒ D. 23.34 km/hr

Q.27 The following data represents the weekly wages (in ₹) of the employees

Find the arithmetic mean of the weekly wages (in ₹).

Weekly wages (in ₹)	900	1000	1100	1200	1300	1400	1500
Number of employees	12	12	14	13	14	11	14

- Ans**
- ☒ A. ₹1204.44
 - ☒ B. ₹1186.25
 - ☒ C. ₹1226.85
 - ☒ D. ₹1056.35

Q.28 Eight years ago, the age of Mr Gupta was four times that of his nephew, Rohit. After 6 years, Mr Gupta's age will be twice that of Rohit. Find the present age of Mr Gupta.

- Ans**
- ☒ A. 42 years
 - ☒ B. 36 years
 - ☒ C. 38 years
 - ☒ D. 40 years

Q.29 What is the smallest natural number 'x' that needs to be subtracted from 13 and 25 so that the fourth proportional of the resulting numbers is 49?

- Ans**
- ☒ A. 4
 - ☒ B. 2
 - ☒ C. 3
 - ☒ D. 5

Q.30 Three positive numbers are in the ratio 3:5:7. If the sum of their squares is 2075, then the middle number is:

- Ans**
- ☒ A. 20
 - ☒ B. 25
 - ☒ C. 30
 - ☒ D. 15

Section : **General Awareness**

Q.31 In a Word document form, when you press the Tab key after filling a name field, to which element does the focus shift?

- Ans**
- ☒ A. Deletes all entered form data instantly
 - ☒ B. Moves cursor to subsequent input field or table cell
 - ☒ C. Prints the form with current entries
 - ☒ D. Saves document and closes the form view

Q.32 Which of the following statements about Lok Adalat is correct?

- Ans**
- ☒ A. Lok Adalat follows a lengthy and complex procedure similar to regular courts.
 - ☒ B. Lok Adalat mainly resolves disputes through arbitration.
 - ☒ C. Lok Adalat decisions are not binding on parties.
 - ☒ D. Lok Adalat has the power to enforce its decisions like a civil court.

Q.33 What record did Smriti Mandhana break in the 2025 Women's Cricket World Cup?

- Ans**
- ☒ A. Most wickets by a batter
 - ☒ B. Most runs in a single edition of the Women's World Cup
 - ☒ C. Highest individual score in a Women's World Cup final
 - ☒ D. Fastest century ever in WODIs

Q.34 Which of the following physiographic regions of India receives average annual rainfall of more than 200 cm?

- Ans**
- ☒ A. Western Ghats
 - ☒ B. Thar Desert
 - ☒ C. Interior Deccan Plateau
 - ☒ D. Ladakh region

Q.35 In December 2025, which state government announced that the Veerangana Durgavati Tiger Reserve will be developed as a cheetah habitat before the onset of the next monsoon?

- Ans**
- ☒ A. Nagaland
 - ☒ B. Madhya Pradesh
 - ☒ C. Uttar Pradesh
 - ☒ D. Bihar

Q.36 What was the primary theme of **ClimateNXT 2025**, the Indian summit held on World Environment Day (June 5, 2025)?

- Ans**
- ☒ A. Beat Plastic Pollution
 - ☒ B. Water conservation
 - ☒ C. Clean air / urban pollution
 - ☒ D. Renewable energy transition

Q.37 Before becoming Sultan, Alauddin Khalji held which important post under Jalaluddin?
Ans ☒ A. Amir-i-Tuzuk
☐ B. Diwan-i-Arz
☐ C. Wazir
☐ D. Sadr-us-Sudur

Q.38 Tallness in pea plants as identified by Mendel, represents which type of trait?
Ans ☐ A. Acquired traits
☐ B. Recessive traits
☐ C. Hidden traits
☒ D. Dominant traits

Q.39 The Vidhan Sabha is also known as the:
Ans ☒ A. Legislative Assembly
☐ B. Legislative Council
☐ C. State Parliament
☐ D. Council of Ministers

Q.40 Mirage is an optical illusion which can be explained based on which of the following phenomena of light?
Ans ☐ A. Interference
☐ B. Diffraction
☒ C. Total Internal Reflection
☐ D. Photoelectric Effect

Q.41 By what percentage did the union government ask the states to cut down cooking oil use in mid-day meals in government and aided schools in March 2025?
Ans ☐ A. 15%
☒ B. 10%
☐ C. 25%
☐ D. 20%

Q.42 Which of the following provisions of the Constitution of India specifies the power of Parliament to amend the Constitution?
Ans ☐ A. Article 356
☐ B. Article 352
☒ C. Article 368
☐ D. Article 370

Q.43 Which of the following rivers helps define a portion of the India–Bangladesh border?
Ans ☐ A. Mahanadi
☐ B. Narmada
☐ C. Brahmaputra
☒ D. Ganga

Q.44 According to the Constitution of India, freedom of the press is implicitly protected as part of which specific Article guaranteeing freedom of speech and expression?
Ans ☐ A. Article 32
☒ B. Article 19(1)(a)
☐ C. Article 22
☐ D. Article 21

Q.45 Which of the following densities measures the pressure of population on net cultivated area in India?

- Ans**
- ☒ A. Physiological density
 - ☐ B. Agricultural density
 - ☐ C. Nutritional density
 - ☐ D. Economic density

Q.46 As per Indian Constitution the Election Commission of India is a _____.

- Ans**
- ☒ A. Constitutional body
 - ☐ B. Non-Constitutional body
 - ☐ C. Quasi-judicial body only
 - ☐ D. Statutory body

Q.47 The 26th of January is celebrated every year in India as which of the following?

- Ans**
- ☒ A. Republic Day
 - ☐ B. National Girl Child Day
 - ☐ C. Constitution Day
 - ☐ D. National Consumer Day

Q.48 Which trophy is presented to the national football team that wins the UEFA European Championship?

- Ans**
- ☐ A. Copa America Trophy
 - ☐ B. Confederations Cup Trophy
 - ☐ C. FIFA World Cup Trophy
 - ☒ D. Henri Delaunay Trophy

Q.49 The development of high-level programming languages such as FORTRAN and COBOL changed computer use in which significant way?

- Ans**
- ☐ A. It forced all programmers to use binary numbers only.
 - ☒ B. It allowed programs to be written in more human-readable forms, making complex software easier to develop.
 - ☐ C. It eliminated the need for compilers.
 - ☐ D. It made computers work only for scientific calculations.

Q.50 During the 2025 event, SAMANVAY-2025, how many licensing agreements for technology transfer were handed over to industry partners by DRDO?

- Ans**
- ☐ A. 20
 - ☒ B. 12
 - ☐ C. 5
 - ☐ D. 8

Q.51 Which of the following organisations releases the National Multidimensional Poverty Index (MPI) in India?

- Ans**
- ☐ A. Bureau of Indian Standards
 - ☒ B. NITI Aayog
 - ☐ C. Union Public Service Commission
 - ☐ D. Reserve Bank of India

Q.52 Who authored the book 'Das Paise ka Postcard', released in 2025?

- Ans**
- ☐ A. Bidyut Chakrabarty
 - ☐ B. Prakash Chand Kandpal
 - ☐ C. V.S. Ravi
 - ☒ D. Capt. S.N. Ahmed

Q.53 The 'Saila' dance is associated with which of the following states?

- Ans**
- ☐ A. Goa
 - ☐ B. Jharkhand
 - ☒ C. Chhattisgarh
 - ☐ D. Haryana

Q.54 The Rowlatt Satyagraha of 1919 was launched by Gandhi to protest against:

- Ans**
- ☒ A. Laws allowing detention and punishment without trial
 - ☐ B. New salt tax and increase in land revenue
 - ☐ C. Partition of Bengal and separate electorates
 - ☐ D. Ban on vernacular press and public meetings

Q.55 Which leader in their keynote address at the World Sustainable Development Summit 2025 exemplified "Guyana's growth without compromising environmental sustainability"?

- Ans**
- ☐ A. Bharrat Jagdeo
 - ☐ B. Marina Silva
 - ☐ C. Vibha Dhawan
 - ☒ D. Mark Phillips

Q.56 Which among the following sector contributed 26.67% of India's overall merchandise export in 2024-25?

- Ans**
- ☐ A. Gold
 - ☐ B. Edible oil
 - ☒ C. Engineering goods
 - ☐ D. Crude petroleum

Q.57 Which Swiss chemist was the first to formulate his ideas about the structures of coordination compounds?

- Ans**
- ☐ A. Robert Bunsen
 - ☐ B. John Dalton
 - ☐ C. Isaac Newton
 - ☒ D. Alfred Werner

Q.58 When was the Rangarajan Committee constituted to review the Methodology for Measurement of Poverty in India?

- Ans**
- ☐ A. 2014
 - ☒ B. 2012
 - ☐ C. 2008
 - ☐ D. 2010

Q.59 Which power mode is required for systems using Instant-on / Always-Connected experiences in Windows 10 and 11?

- Ans**
- ☐ A. Legacy Hibernate
 - ☐ B. Hybrid Sleep
 - ☒ C. Modern Standby
 - ☐ D. S3 Sleep

Q.60 The balance of payments crisis that India faced in 1991 occurred mainly due to:

- Ans**
- ☐ A. Excess industrial production
 - ☐ B. Rapid growth in service exports
 - ☒ C. Large fiscal and current account deficits
 - ☐ D. Sudden surge in foreign remittances

Q.61 In which year was the Taj Mahal of India inscribed as a UNESCO World Heritage Site?

Ans ☒ A. 1983

☐ B. 1980

☐ C. 1984

☐ D. 1981

Q.62 The Battle of Chausa, fought on 26 June 1539, was a military engagement between:

Ans ☐ A. Akbar and Hemu

☐ B. Aurangzeb and Dara Shikoh

☒ C. Humayun and Sher Shah Suri

☐ D. Babur and Ibrahim Lodi

Q.63 Which of the following was a major reason for the arrival of Europeans in India?

Ans ☐ A. To establish democratic governance

☐ B. To spread industrialization

☐ C. To promote European art and culture

☒ D. To find a direct sea route for the spice trade

Q.64 The Human Development Index (HDI) rankings are based on a score between _____.

Ans ☐ A. 1 to 2

☐ B. 0 to 5

☐ C. 1 to 10

☒ D. 0 to 1

Q.65 Which statement correctly describes the role of Gopal Krishna Gokhale in the early Indian National Movement?

Ans ☐ A. He initiated armed revolutionary propaganda against British oppression.

☐ B. He founded the Swaraj Party in 1923 to contest British-imposed elections.

☒ C. He worked via constitutional reforms and moderate methods, respected as Gandhi's political mentor.

☐ D. He led the Salt March in 1930 as a protest against the salt tax.

Q.66 India became a founding member of which global organization promoting peace and cooperation?

Ans ☒ A. United Nations

☐ B. NATO

☐ C. OPEC

☐ D. ASEAN

Q.67 What is the primary purpose of Task Manager in Windows?

Ans ☐ A. To manage user passwords

☐ B. To edit text documents

☒ C. To monitor and manage running applications, processes and system performance

☐ D. To install new applications

Q.68 Which of the following landforms develops when a river cuts through a ridge, forming a narrow and steep-sided passage?

Ans ☐ A. Plain

☐ B. Moraines

☒ C. Gorge

☐ D. Dune

Q.69 Which type of mixture is formed when Ethyl alcohol is dissolved in water?

- Ans**
- ☐ A. Compounds
 - ☐ B. New element
 - ☒ C. Homogeneous
 - ☐ D. Heterogeneous

Q.70 The Pattachitra paintings, known for intricate detailing and mythological themes, originate from which Indian state?

- Ans**
- ☐ A. Rajasthan
 - ☐ B. Assam
 - ☐ C. Madhya Pradesh
 - ☒ D. Odisha

Section : General Intelligence and Reasoning

Q.71 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All vans are trailers. No trailer is a scooter.

Conclusion (I) : No van is a scooter

Conclusion (II) : Some scooters are trailers

- Ans**
- ☐ A. Only conclusion (II) follows
 - ☐ B. Both conclusions (I) and (II) follow
 - ☒ C. Only conclusion (I) follows
 - ☐ D. Neither conclusion (I) nor (II) follows

Q.72 In a certain code language,

$A \leftarrow B$ means 'A is the wife of B',

$A \geq B$ means 'A is the brother of B',

$A @ B$ means 'A is the father of B', and

$A \text{ £ } B$ means 'A is the daughter of B'.

Based on the above, how is P related to U if ' $P \text{ £ } D \leftarrow M @ L \geq U$ '?

- Ans**
- ☐ A. Wife
 - ☒ B. Sister
 - ☐ C. Daughter
 - ☐ D. Mother

Q.73 If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8254316, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☒ A. Two
 - ☐ B. One
 - ☐ C. Three
 - ☐ D. None

Q.74 What should come in place of '?' in the given series?
80 ? 89 98 110 125

- Ans**
- ☐ A. 85
 - ☐ B. 84
 - ☒ C. 83
 - ☐ D. 82

Q.75 Refer to the given letter series and answer the question that follows.

(Left) S E S I B V V R R I Y S S P B T K S A P P (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans
- ☐ A. Three
 - ☐ B. None
 - ☐ C. Two
 - ☒ D. One

Q.76 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) L R I D P E Q Y H D V Q U Y L X F H A U Z (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- Ans
- ☐ A. One
 - ☒ B. Three
 - ☐ C. None
 - ☐ D. Two

Q.77 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ A. DP – ZL
 - ☒ B. RM – IN
 - ☐ C. KS – GO
 - ☐ D. YH – UD

Q.78 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.
FORT - RTFO - TROF
SIGN - GNSI - NGIS

- Ans
- ☒ A. RAFT - FTRA - TFAR
 - ☐ B. DIRT - TRID - IRTD
 - ☐ C. DOVE - OVED - EVOD
 - ☐ D. FILE - LEFI - ELFI

Q.79 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ A. KMP
 - ☐ B. QSV
 - ☐ C. FHK
 - ☒ D. DFJ

Q.80 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.
WORD - RWOD - DROW
JAMS - MJAS - SMAJ

- Ans
- ☐ A. AGES - AEGS - SEGA
 - ☐ B. VAST - SVAT - ASTV
 - ☒ C. YEAR - AYER - RAEY
 - ☐ D. POLE - OPLE - EOLP

Q.81 In a certain code language,
 $A \times B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A + B$ means 'A is the wife of B' and
 $A * B$ means 'A is the father of B'.

How is H related to J if 'H + I * O $\times$ D - J'?

- Ans**
- ☒ A. Mother
 - ☒ B. Mother's mother
 - ☒ C. Mother's sister
 - ☒ D. Sister

Q.82 What should come in place of the '?' in the given series?

6 15 29 54 84 125 ?

- Ans**
- ☒ A. 173
 - ☒ B. 177
 - ☒ C. 179
 - ☒ D. 171

Q.83 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
BDF 2 FHJ 5 JLN 8 NPR 11 ?

- Ans**
- ☒ A. RTV 14
 - ☒ B. SVX 14
 - ☒ C. SSV 14
 - ☒ D. RUV 14

Q.84 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: Some pens are markers. All markers are stands.

Conclusion (I) : Some pens are stands

Conclusion (II) : All stands are markers

- Ans**
- ☒ A. Both conclusions (I) and (II) follow
 - ☒ B. Only conclusion (I) follows
 - ☒ C. Only conclusion (II) follows
 - ☒ D. Neither conclusion (I) nor (II) follows

Q.85 Rishi starts from Point A and drives 23 km towards the north. He then takes a left turn, drives 8 km, turns left and drives 28 km. He then takes a left turn and drives 17 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 8 km to the west
 - ☒ B. 9 km to the west
 - ☒ C. 9 km to the east
 - ☒ D. 8 km to the east

Q.86 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BVY 32, WQT 16, RLO 8, MGJ 4, ?

- Ans**
- ☒ A. REX 4
 - ☒ B. HCD 2
 - ☒ C. LFY 8
 - ☒ D. HBE 2

Q.87 Each of the digits in the number 3749685 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. Three
 - ☒ B. None
 - ☒ C. Two
 - ☒ D. One

Q.88 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

- Ans**
- ☒ A. VB-TN
 - ☒ B. SY – QK
 - ☒ C. KQ-IC
 - ☒ D. PV – MH

Q.89 In a certain code language, 'tale jaw bow' is coded as 'vl ud np' and 'law bow fresh' is coded as 'pq re ud'. How is 'bow' coded in the given language?

- Ans**
- ☒ A. ud
 - ☒ B. pq
 - ☒ C. np
 - ☒ D. vl

Q.90 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VUT-PON
TSR-NML

- Ans**
- ☒ A. YWU-SRQ
 - ☒ B. YXW-RRP
 - ☒ C. YXW-SRQ
 - ☒ D. YWU-RQP

Q.91 Each vowel in the word PERBLAD is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. Zero

Q.92 Which two numbers should be interchanged to make the given equation correct?

$$(6 \times 14) \div 2 + 18 \times 4 - 28 \div 7 + 34 = 87$$

- Ans**
- ☒ A. 7 and 4
 - ☒ B. 14 and 18
 - ☒ C. 6 and 4
 - ☒ D. 4 and 2

Q.93 Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only two people sit between C and I. Only K sits to the right of E. Only one person sits between I and E. S sits at some place to the right of R but at some place to the left of T. Who sits third from the right end of the line?

- Ans**
- ☐ A. C
 - ☐ B. I
 - ☐ C. S
 - ☒ D. T

Q.94 Seven people, A, B, U, D, R, H and J, are sitting in a row, facing north. Only five people sit to the right of D. Only four people sit to the left of H. R is the immediate neighbour of A and D. J sits to the immediate right of B. How many people sit between U and D?

- Ans**
- ☐ A. Two
 - ☐ B. One
 - ☒ C. None
 - ☐ D. Three

Q.95 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above C. Only one box is kept between D and C. Only three boxes are kept between D and E. E is kept at some place above C. G is kept immediately below E. F is kept at one of the places above B. A is not kept immediately above or below D. Which box is kept immediately above F?

- Ans**
- ☐ A. D
 - ☐ B. G
 - ☐ C. A
 - ☒ D. C

Q.96 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
ADG 3 EHK 6 ILO 9 MPS 12 ?

- Ans**
- ☐ A. RUX 15
 - ☐ B. QTV 15
 - ☒ C. QTW 15
 - ☐ D. QSW 15

Q.97 Six boxes D, E, F, G, H and A are kept one over the other but not necessarily in the same order. Only three boxes are kept below A. Only two boxes are kept between A and E. No box is kept above G. H is kept at some place below F and at some place above D. How many boxes are kept between H and D?

- Ans**
- ☒ A. Zero
 - ☐ B. One
 - ☐ C. Two
 - ☐ D. Three

Q.98 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

89, 104
157, 172

- Ans**
- ☐ A. 56, 72
 - ☐ B. 97, 111
 - ☐ C. 39, 64
 - ☒ D. 138, 153

Q.99 In a certain code language, 'bat view month' is coded as 'nd wz nh' and 'oven month gum' is coded as 'on ju wz'. How is 'month' coded in the given language?

- Ans**
- ☒ A. nh
 - ☒ B. on
 - ☒ C. wz
 - ☒ D. nd

Q.100 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below D. Only two boxes are kept between D and C. Only F is kept above G. B is kept at some place below A and some place above E. Which box is kept immediately above B?

- Ans**
- ☒ A. C
 - ☒ B. A
 - ☒ C. F
 - ☒ D. D