



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS  
०५/२०२४ - एनटीपीसी स्नातक स्तर - CEN - 05/2024 - NTPC Graduate Level



Test Date	18/06/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Graduate Level I

\* Note

Correct Answer will carry 1 mark per Question.

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

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : RRB NTPC Graduate Level I

**Q.1** What percentage of the workforce in India was self-employed in 2023-24, reflecting a growing trend towards entrepreneurship, as per the Economic Survey Report, 2024-25?

- Ans**
- ☒ 1. 52.6%
  - ☒ 2. 58.4%
  - ☐ 3. 48.2%
  - ☐ 4. 62.8%

**Q.2** In a certain code language,

'A + B' means 'A is the mother of B'  
'A - B' means 'A is the brother of B'  
'A x B' means 'A is the wife of B'  
'A ÷ B' means 'A is the father of B'

Based on the above, how is P related to T if 'P ÷ Q + R - S x T'?

- Ans**
- ☒ 1. Wife's mother's father
  - ☐ 2. Wife's sister's husband
  - ☐ 3. Son's daughter's husband
  - ☐ 4. Wife's father's mother

**Q.3** A, B, C, D, E, F, and G are sitting around a circular table facing the centre. Only C sits between A and E. E sits third to the left of D. B sits to the immediate left of D. G is not an immediate neighbour of E. How many people sit between C and G when counted from the right of C?

- Ans**
- ☒ 1. Four
  - ☐ 2. Two
  - ☐ 3. Three
  - ☐ 4. One

**Q.4** Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KNR : HKS  
TGK : QDL

- Ans**
- ☐ 1. LOQ : FJU
  - ☒ 2. FXL : CUM
  - ☐ 3. HMI : DKL
  - ☐ 4. GCP : EHR

Q.5 Which of the following is the easternmost international border point of India?

- Ans
- ☐ 1. Rohtang
  - ☐ 2. Lipulekh
  - ☐ 3. Nathu La
  - ☒ 4. Kibithu

Q.6 Amit had invested same amount of sums at simple as well as compound interest, compounded annually. The time period of both the sums was 2 years and rate of interest too was the same, 4% per annum. At the end, he found a difference of ₹45 in both the interests received. What were the sums (in ₹) invested?

- Ans
- ☐ 1. 27,375
  - ☒ 2. 28,125
  - ☐ 3. 27,225
  - ☐ 4. 28,475

Q.7 Three numbers are in the ratio 1 : 3 : 5, and their LCM is 285. Their HCF is \_\_\_\_.

- Ans
- ☒ 1. 19
  - ☐ 2. 15
  - ☐ 3. 17
  - ☐ 4. 24

Q.8 In January 2025, which of the following individuals was appointed as the Chairman of the Indian Space Research Organisation (ISRO)?

- Ans
- ☒ 1. V Narayanan
  - ☐ 2. Tapan Misra
  - ☐ 3. G Madhavan Nair
  - ☐ 4. K Sivan

Q.9 The fourth proportion to 9, 3 and 27 is the same as the third proportion to A and 24. What is the value of A?

- Ans
- ☐ 1. 61
  - ☐ 2. 63
  - ☐ 3. 62
  - ☒ 4. 64

Q.10 The length of the diagonals of a rhombus are  $(y + xy + 5)$  m and  $(y - xy + 7)$  m, respectively. Find the area of the rhombus, if  $x = 2$  and  $y = 1$ .

- Ans
- ☐ 1.  $27 \text{ m}^2$
  - ☐ 2.  $18 \text{ m}^2$
  - ☐ 3.  $21 \text{ m}^2$
  - ☒ 4.  $24 \text{ m}^2$

Q.11 Which of the following is INCORRECT based on the Supreme Court's ruling in 'Samtola Devi vs The State Of Uttar Pradesh', on 27 March 2025, regarding the 'Maintenance and Welfare of Parents and Senior Citizens Act, 2007'?

- Ans
- ☐ 1. Senior citizens can file for maintenance even after transferring their property to their legal heirs.
  - ☒ 2. Eviction of a child or relative is mandatory in every case of neglect under the Act.
  - ☐ 3. The Act does not provide any provision for the eviction of a child or relative.
  - ☐ 4. Tribunals under the Act have the authority to order the eviction of a child or relative if it is deemed necessary for the protection of the senior citizen.

**Q.12** On 26 February 2025, the Centre for Science and Environment (CSE) and Down To Earth (DTE) magazine released their annual publication 'State of India's Environment' from which state?

- Ans**
- ☐ 1. West Bengal
  - ☒ 2. Rajasthan
  - ☐ 3. Gujarat
  - ☐ 4. Kerala

**Q.13** If it is 12 noon at IST ( $82^{\circ}30'E$ ), what time is it approximately at  $97^{\circ}30'E$  longitude?

- Ans**
- ☐ 1. 11:00 AM
  - ☐ 2. 12:30 PM
  - ☐ 3. 1:20 PM
  - ☒ 4. 1:00 PM

**Q.14** A salesman marks his good 20% above the cost price and gives a discount of 25% on them. Find the percentage of this gain or loss.

- Ans**
- ☐ 1. 9% gain
  - ☒ 2. 10% loss
  - ☐ 3. 11% loss
  - ☐ 4. 12% loss

**Q.15** A shopkeeper fixes the marked price of an item 50% above its cost price. What percentage of discount on the marked price should be allowed to gain 14%?

- Ans**
- ☐ 1. 21%
  - ☐ 2. 27%
  - ☐ 3. 26%
  - ☒ 4. 24%

**Q.16** What should come in place of the question mark (?) in the given series?

282, 259, 226, ?, 130, 67

- Ans**
- ☐ 1. 173
  - ☒ 2. 183
  - ☐ 3. 193
  - ☐ 4. 186

**Q.17** If the median of a data is 71.24 less than its mode, then the median of the data exceeds its mean by \_\_\_\_\_. (Use the empirical formula)

- Ans**
- ☐ 1. 34.14
  - ☒ 2. 35.62
  - ☐ 3. 41.97
  - ☐ 4. 33.91

**Q.18** With reference to computing, what does ASCII stand for?

- Ans**
- ☐ 1. American Standard Code for Information Integrity
  - ☐ 2. American Systematic Code for International Interoperability
  - ☐ 3. Algorithmic Standard Code for International Information
  - ☒ 4. American Standard Code for Information Interchange

**Q.19** A and B can do a piece of work in 12 days and 18 days, respectively. Both work for 2 days and then A goes away and B completed the remaining work alone. The whole work was completed in \_\_\_\_\_ days.

- Ans**
- ☐ 1. 13
  - ☐ 2. 14
  - ☒ 3. 15
  - ☐ 4. 16

**Q.20** Following the provisions of the 73<sup>rd</sup> Constitutional Amendment 1992, how frequently are the members of the Gram Sabha expected to meet in a year?

- Ans**
- ☒ 1. At least twice in a year
  - ☐ 2. Every week
  - ☐ 3. Once a month
  - ☐ 4. Once every five years

**Q.21** Gyanesh starts from Point Y and drives 11 km towards the south. He then takes a left turn, drives 45 km, turns right and drives 29 km. He then takes a right turn and drives 18 km. He takes a right turn, drives 13 km. He then turns right, drives 29 km, turns left and drives 27 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-degree turns only unless specified.)

- Ans**
- ☐ 1. 53 km towards the north
  - ☐ 2. 61 km towards the west
  - ☒ 3. 56 km towards the west
  - ☐ 4. 51 km towards the east

**Q.22** What is the primary objective of 'Srjanam', the biomedical waste conversion system launched in 2025?

- Ans**
- ☐ 1. To increase the use of landfills for biomedical waste
  - ☒ 2. To reduce environmental hazards by eliminating incineration
  - ☐ 3. To promote traditional biomedical waste disposal methods
  - ☐ 4. To develop a new method for incineration

**Q.23** Chords AB and CD of a circle intersect externally at P. If AB = 7 cm, CD = 1 cm and PD = 5 cm, then the length of PB (in cm) is:

- Ans**
- ☒ 1. 3
  - ☐ 2. 4
  - ☐ 3. 2
  - ☐ 4. 5

**Q.24** 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 letter-cluster pair 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**
- ☒ 1. OJ - NL
  - ☐ 2. IK - PR
  - ☐ 3. HJ - OQ
  - ☐ 4. GI - NP

**Q.25** A train is 591 m and it crosses a platform in 1.7 minutes running at the speed of 36 km/hr. Find the difference between the length of the train and the platform.

- Ans**
- ☒ 1. 162 m
  - ☐ 2. 171 m
  - ☐ 3. 170 m
  - ☐ 4. 159 m

**Q.26** What natural feature existed between the Himalayas and the Deccan Plateau before the formation of the Great Plain?

- Ans**
- ☐ 1. A mountain range
  - ☐ 2. A deep ocean trench
  - ☒ 3. A shallow trough or geosyncline
  - ☐ 4. A dense forest

**Q.27** Find the value of  $\frac{\cos 35^\circ}{\sin 55^\circ} + \frac{\sin 11^\circ}{\cos 79^\circ} - 2\cos 27^\circ \operatorname{cosec} 63^\circ$ .

- Ans**
- ☒ 1. 0
  - ☐ 2. 1
  - ☐ 3. -1
  - ☐ 4. 2

**Q.28** Which of the following ratios is greatest?

- Ans**
- ☐ 1. 19 : 37
  - ☒ 2. 10 : 15
  - ☐ 3. 15 : 33
  - ☐ 4. 18 : 37

**Q.29** Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

# : VXB :: GIM : %

- Ans**
- ☐ 1. # = SUY , % = LLP
  - ☒ 2. # = SUY , % = JLP
  - ☐ 3. # = SEY , % = JLP
  - ☐ 4. # = SUY , % = JLL

**Q.30** Find the smallest number by which 6760 must be multiplied to make it a perfect square.

- Ans**
- ☐ 1. 28
  - ☐ 2. 26
  - ☐ 3. 23
  - ☒ 4. 10

**Q.31** Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given 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.)

12 - 14 - 16 - 20; 14 - 16 - 18 - 22

- Ans**
- ☒ 1. 3 - 5 - 7 - 11
  - ☐ 2. 13 - 15 - 17 - 32
  - ☐ 3. 4 - 8 - 16 - 32
  - ☐ 4. 19 - 20 - 22 - 44

**Q.32** 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
- ☐ 1. MOJ
  - ☐ 2. GID
  - ☒ 3. KMG
  - ☐ 4. IKF

**Q.33** Who among the following issued the earliest land grant of the Maitraka family in 502 CE?

- Ans
- ☐ 1. Shiladitya
  - ☐ 2. Guhasena
  - ☒ 3. Dronasimha
  - ☐ 4. Dharapatta

**Q.34** In the Indian context, population growth in Class I cities is the most influenced by \_\_\_\_\_.

- Ans
- ☐ 1. natural increase
  - ☐ 2. religious factors
  - ☐ 3. government employment
  - ☒ 4. migration from rural areas

**Q.35** Kalpana and Sudha got 696 and 584 marks, respectively, in the same examination. If Kalpana scored 87% marks, then what is the percentage of marks scored by Sudha?

- Ans
- ☒ 1. 73%
  - ☐ 2. 72%
  - ☐ 3. 76%
  - ☐ 4. 74%

**Q.36** 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 G. Only one box is kept between A and G. Only three boxes are kept between A and F. F is kept at some place above G. B is kept immediately below F. D is kept at one of the places above E. C is not kept immediately above or below A. How many boxes are kept above D?

- Ans
- ☐ 1. 2
  - ☐ 2. 3
  - ☐ 3. 1
  - ☒ 4. 4

**Q.37** The speed limit on a highway has the dimension of:

- Ans
- ☐ 1. Time
  - ☒ 2. Length over time
  - ☐ 3. Time over length
  - ☐ 4. Mass

**Q.38** Morarji Desai was commemorated on his 129<sup>th</sup> birth anniversary, 29 February 2025, for his contributions to governance reforms in India. Which of the following commissions did he chair in 1966 to restructure the country's governance?

- Ans
- ☒ 1. 1<sup>st</sup> Administrative Reforms Commission
  - ☐ 2. Sarkaria Commission
  - ☐ 3. Planning Commission
  - ☐ 4. 1<sup>st</sup> Finance Commission

**Q.39** What was the officer responsible for looking after military stores during the reign of the Gupta Empire called?

- Ans**
- ☐ 1. Mahapratihara
  - ☐ 2. Vishayapati
  - ☐ 3. Pilupati
  - ☒ 4. Ranabhandagarika

**Q.40** If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1385762, then what will the sum of the digits that are second from the left and third from the right in the new number thus formed be?

- Ans**
- ☐ 1. 13
  - ☐ 2. 11
  - ☐ 3. 10
  - ☒ 4. 12

**Q.41** In 2024, India became the world's top milk producer with a production of 239 million metric tons. Which government initiative significantly contributed to this achievement?

- Ans**
- ☒ 1. Rashtriya Gokul Mission
  - ☐ 2. National Dairy Development Program
  - ☐ 3. White Revolution
  - ☐ 4. Operation Milk

**Q.42** In MS Excel 2019, what is the primary purpose of the 'Print Preview' feature?

- Ans**
- ☐ 1. To edit data
  - ☒ 2. To view how the sheet will look when printed
  - ☐ 3. To zoom into the sheet
  - ☐ 4. To save the spreadsheet

**Q.43** What is the theme of the Venice Architecture Biennale scheduled to be held in May to November 2025?

- Ans**
- ☒ 1. Intelligence: Natural. Artificial. Collective
  - ☐ 2. Designing Future Societies
  - ☐ 3. Sustainable Urban Futures
  - ☐ 4. Architecture and Climate Change

**Q.44** Which Pulitzer-winning investigative series was titled 'Fentanyl Express'?

- Ans**
- ☐ 1. The New Yorker
  - ☒ 2. Reuters
  - ☐ 3. NBC News
  - ☐ 4. CNN

**Q.45** 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 conclusion(s) logically follow(s) from the statements.

**Statements:**

All chimpanzees are gorilla.

All gorillas are monkeys.

No monkey is a langur.

**Conclusion:**

(I) Some langurs are gorillas.

(II) Some monkeys are chimpanzees.

- Ans**
- ☐ 1. Neither Conclusion (I) nor (II) follows
  - ☐ 2. Both Conclusions (I) and (II) follow
  - ☐ 3. Only Conclusion (I) follows
  - ☒ 4. Only Conclusion (II) follows

**Q.46** Lauren Roberts' novel, third in 'The Powerless' trilogy, is titled:

- Ans**
- ☐ 1. Endless
  - ☐ 2. Reckless
  - ☐ 3. Powerless
  - ☒ 4. Fearless

**Q.47** What was India's external debt to GDP ratio at the end of September 2024?

- Ans**
- ☐ 1. 24.6%
  - ☐ 2. 13.4%
  - ☒ 3. 19.4%
  - ☐ 4. 34%

**Q.48** The ratio of three numbers is 5 : 16 : 21. If 20 percent of the first number is 26, what would be 40 percent of the difference of the third and second number?

- Ans**
- ☐ 1. 54
  - ☒ 2. 52
  - ☐ 3. 50
  - ☐ 4. 51

**Q.49** If the selling price of a bed is 2-times of initial, then the profit is 6-times of initial. Find the initial profit percentage (in %).

- Ans**
- ☐ 1. 33.33
  - ☐ 2. 300
  - ☐ 3. 200
  - ☒ 4. 25

**Q.50** Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.  
Only three people have exams after R. P has the exam immediately after R, but before Q.  
S has the exam before U but after V. T has the exam on Sunday.

How many people have exams between P and S?

- Ans**
- ☒ 1. Two
  - ☐ 2. One
  - ☐ 3. Four
  - ☐ 4. Three



**Q.51** Which of the following is the SI unit for sound intensity?

- Ans**
- ☐ 1. Metre per second (m/s)
  - ☒ 2. Watt per square metre (W/m<sup>2</sup>)
  - ☐ 3. Pascal (Pa)
  - ☐ 4. Watt (W)

**Q.52** Which of the following is the main purpose of using the 'Ctrl + S' keyboard shortcut while working on an MS PowerPoint presentation?

- Ans**
- ☒ 1. To save the current changes made to the file
  - ☐ 2. To close the presentation window immediately
  - ☐ 3. To share the presentation via email
  - ☐ 4. To start a slideshow from the beginning

**Q.53** In a certain code language, 'RACE' is coded as '6259' and 'ANTS' is coded as '7941'. What is the code for 'A' in the given code language?

- Ans**
- ☐ 1. 7
  - ☒ 2. 9
  - ☐ 3. 1
  - ☐ 4. 2

**Q.54** Desert soil is mostly found in which Indian state?

- Ans**
- ☐ 1. Uttar Pradesh
  - ☐ 2. Kerala
  - ☐ 3. Tamil Nadu
  - ☒ 4. Rajasthan

**Q.55** Which British Viceroy described the Congress as representing only a 'microscopic minority' of the Indian population, thereby dismissing its political relevance?

- Ans**
- ☐ 1. Lord Ripon
  - ☐ 2. Lord Lytton
  - ☐ 3. Lord Curzon
  - ☒ 4. Lord Dufferin

**Q.56** What should come in place of the question mark (?) in the given series?

7 9 13 21 37 ?

- Ans**
- ☐ 1. 71
  - ☐ 2. 66
  - ☒ 3. 69
  - ☐ 4. 65

**Q.57** The diameter of a sphere is 2 cm more than the diameter of a smaller sphere. The surface area of the larger sphere is 528 cm<sup>2</sup> more than the surface area of the smaller sphere. What is the diameter (in cm) of the larger sphere?

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

- Ans**
- ☒ 1. 43
  - ☐ 2. 41
  - ☐ 3. 39
  - ☐ 4. 45

**Q.58** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.  
TPY URS VTM WVG ?

- Ans**
- ☐ 1. XXB
  - ☒ 2. XXA
  - ☐ 3. XWA
  - ☐ 4. XWZ

**Q.59** Amita travels a certain distance at a speed of 84 km/hr and double the earlier distance at 28 km/hr. She then returns to the starting point through the same route. If her average speed for the entire journey is 24 km/hr, then what is her speed (in km/hr) for the return journey?

- Ans**
- ☐ 1. 17.2
  - ☐ 2. 16
  - ☒ 3. 18
  - ☐ 4. 21.5

**Q.60** If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4275613, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. 0
  - ☐ 2. 1
  - ☒ 3. 2
  - ☐ 4. 3

**Q.61** What is the total budget allocation for infrastructure spending in India for 2023-24?

- Ans**
- ☒ 1. ₹10 lakh crore
  - ☐ 2. ₹9 lakh crore
  - ☐ 3. ₹7 lakh crore
  - ☐ 4. ₹5 lakh crore

**Q.62** If  $\alpha$  and  $\beta$  are the roots of the equation  $x^2 - 6x - 5 = 0$ , then find the equation having the roots  $3\alpha$  and  $3\beta$ .

- Ans**
- ☐ 1.  $x^2 - 18x - 48 = 0$
  - ☒ 2.  $x^2 - 18x - 45 = 0$
  - ☐ 3.  $x^2 - 15x + 48 = 0$
  - ☐ 4.  $x^2 - 15x + 45 = 0$

**Q.63** GCKH is related to EAlF in a certain way based on the English alphabetical order. In the same way, JFNK is related to HDLI. To which of the given options is MIQN related, following the same logic?

- Ans**
- ☐ 1. KGLO
  - ☒ 2. KGOL
  - ☐ 3. GKLO
  - ☐ 4. GKOL

**Q.64** The present cost of an apartment is ₹1,70,014. After a year, its cost increased to ₹1,93,900. The percentage increase (rounded off to the nearest integer) in the cost of the apartment is:

- Ans**
- ☐ 1. 28%
  - ☐ 2. 3%
  - ☒ 3. 14%
  - ☐ 4. 22%

**Q.65** The President's power to seek the Supreme Court's opinion on questions of law comes under \_\_\_\_\_.

- Ans**
- ☒ 1. Article 226
  - ☒ 2. Article 143
  - ☐ 3. Article 131
  - ☐ 4. Article 136

**Q.66** After the revolt of which year did the British implement measures that reduced the proportion of Indian soldiers in the army and increased the number of European soldiers?

- Ans**
- ☒ 1. 1857
  - ☐ 2. 1806
  - ☐ 3. 1874
  - ☐ 4. 1841

**Q.67** The equivalent fraction of 6.555... is:

- Ans**
- ☒ 1.  $\frac{59}{9}$
  - ☐ 2.  $\frac{61}{3}$
  - ☐ 3.  $\frac{56}{13}$
  - ☐ 4.  $\frac{53}{17}$

**Q.68** Which Fundamental Right was subjected to additional restrictions by the First Amendment Act of 1951?

- Ans**
- ☒ 1. Right to Freedom of Speech and Expression
  - ☐ 2. Right to Constitutional Remedies
  - ☐ 3. Right to Equality
  - ☐ 4. Right to Freedom of Religion

**Q.69** Overall, the Panchayati Raj system in India is designed to promote:

- Ans**
- ☐ 1. economic austerity across the country for people's betterment
  - ☒ 2. democratic governance and empowerment at the grassroots level
  - ☐ 3. international funding for local projects, ensuring adequate development
  - ☐ 4. central control over local areas across the country

**Q.70** The median of the observations 59, 67, 17, 38, 88, 61, 80, 91, 30, 48 and 80 is:

- Ans**
- ☒ 1. 61
  - ☐ 2. 59
  - ☐ 3. 67
  - ☐ 4. 58

**Q.71** If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$96 \times 6 - 8 \div 71 + 26 = ?$$

- Ans**
- ☐ 1. 186
  - ☐ 2. 194
  - ☒ 3. 173
  - ☐ 4. 181

Q.72 In January 2025, which woman cricketer received the Polly Umrigar Award from the BCCI?

- Ans
- ☐ 1. Jemimah Rodrigues
  - ☐ 2. Deepti Sharma
  - ☒ 3. Smriti Mandhana
  - ☐ 4. Shefali Verma

Q.73 By the 1970s, Public Sector Units (PSUs) had become dominant in the Indian industry. What criticism did they frequently face?

- Ans
- ☐ 1. Over-reliance on export markets for revenue
  - ☐ 2. Excessive foreign ownership and capital outflow
  - ☐ 3. High competition from private multinational corporations
  - ☒ 4. Operational inefficiencies, low productivity, and financial losses

Q.74 What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
PIL NGJ LEH JCF ?

- Ans
- ☐ 1. HBD
  - ☒ 2. HAD
  - ☐ 3. HAE
  - ☐ 4. HBE

Q.75 If  $\Delta ABC \sim \Delta PQR$  and  $\frac{\text{area}(\Delta ABC)}{\text{area}(\Delta PQR)} = \frac{25}{49}$ , then what is the value of AB : PQ?

- Ans
- ☐ 1. 3 : 7
  - ☐ 2. 2 : 7
  - ☒ 3. 5 : 7
  - ☐ 4. 4 : 7

Q.76 How many poems are included in Behramji Merwanji Malabari's 'The Indian Muse in English Garb'?

- Ans
- ☐ 1. 25
  - ☐ 2. 40
  - ☒ 3. 32
  - ☐ 4. 20

Q.77 Simplify:  $\left[ (22 \times 6) \times \left\{ 8 \div 4 \times \left( 15 - \frac{11}{4} \right) \right\} \right]$

- Ans
- ☐ 1. 3277
  - ☒ 2. 3234
  - ☐ 3. 3262
  - ☐ 4. 3275

Q.78 Which uprising in Uttar Pradesh, led by Mufti Muhammad Aiwaz, was among the most significant revolts against British rule in India prior to the First War of Independence in 1857?

- Ans
- ☒ 1. Bareilly Uprisings
  - ☐ 2. Santhal Rebellion
  - ☐ 3. Chuar Rebellion
  - ☐ 4. Kol Uprisings

**Q.79** A, B, C, D, R, S and T are sitting around a circular table facing the centre of the table. Only three people sit between T and R when counted from the left of T. Only three people sit between A and S when counted from the right of S. C sits to the immediate right of A. B is an immediate neighbour of S as well as R. Who sits third to the right of D?

- Ans**
- ☐ 1. C
  - ☒ 2. T
  - ☐ 3. S
  - ☐ 4. A

**Q.80** Which shortcut key is used to create a new blank presentation quickly in MS PowerPoint 365?

- Ans**
- ☐ 1. Ctrl + O
  - ☐ 2. Ctrl + P
  - ☐ 3. Shift + N
  - ☒ 4. Ctrl + N

**Q.81** Which of the following is the function of Ctrl + Shift + V in certain applications like Google Docs or web browsers?

- Ans**
- ☐ 1. Opens the Find and Replace dialog box
  - ☐ 2. Reverts to the previous page in the browser
  - ☐ 3. Saves the document as a new file
  - ☒ 4. Pastes content without any formatting

**Q.82** In a certain code language, 'BOLT' is coded as '4195' and 'TOLD' is coded as '4529'. What is the code for 'D' in the given code language?

- Ans**
- ☐ 1. 4
  - ☒ 2. 2
  - ☐ 3. 5
  - ☐ 4. 9

**Q.83** 13 men and 3 women can complete a piece of work in 7 days, and 5 men and 6 women can complete the same work in 18 days. The work of how many women is equivalent to that of one man?

- Ans**
- ☒ 1. 87
  - ☐ 2. 84
  - ☐ 3. 88
  - ☐ 4. 90

**Q.84** A solid metal hemisphere has a radius of 6 cm. If the metal of the hemisphere is melted and recast into a cylindrical shape with the same radius, find the height of the cylinder.

- Ans**
- ☐ 1. 12 cm
  - ☐ 2. 8 cm
  - ☐ 3. 6 cm
  - ☒ 4. 4 cm

**Q.85** Refer to the following number and symbol series and answer the question that follows.  
Counting to be done from left to right only.  
(NOTE: All numbers are single digit numbers only.)

(Left) \* # 8 # 5 # 3 3 € 6 7 & # 3 \$ € @ 9 # 7 £ 9 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

Ans ☒ 1. 2

☐ 2. 3

☐ 3. 1

☐ 4. 4

**Q.86** TX 12 is related to RS 23 in a certain way. In the same way, GW 2 is related to ER 13. To which of the given options is NR -5 related, following the same logic?

Ans ☐ 1. LL 4

☒ 2. LM 6

☐ 3. KL 6

☐ 4. KM 4

**Q.87** Which of the following accurately describes the Indian President's role in foreign affairs?

Ans ☒ 1. The President appoints ambassadors and conducts diplomatic work in his/her name.

☐ 2. The President delegates all foreign affairs responsibilities to the Prime Minister.

☐ 3. The President is solely responsible for negotiating international treaties without any advisory input.

☐ 4. The President only receives foreign ambassadors but does not appoint them.

**Q.88** In a certain code language, 'OILY' is coded as '1357' and 'LACE' is coded as '8643'. What is the code for 'L' in the given language?

Ans ☒ 1. 3

☐ 2. 5

☐ 3. 7

☐ 4. 8

**Q.89** In renal physiology, which segment of the nephron is most critical for generating the osmotic gradient that concentrates urine?

Ans ☐ 1. Collecting duct

☒ 2. Loop of Henle

☐ 3. Distal convoluted tubule

☐ 4. Proximal convoluted tubule

**Q.90** 5 times the present age of Sujatha is 5 years more than 2 times the present age of Vanita. After 4 years, 3 times the age of Vanita will be 8 years less than 5 times the age of Sujatha. The age of Vanita is k years more than that of Sujatha. What is the value of k?

Ans ☒ 1. 2

☐ 2. 3

☐ 3. 4

☐ 4. 5

**Q.91** This question is based on the five, three-digit numbers given below.

(Left) 143 656 651 264 282 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the first digit of the highest number is subtracted from the third digit of the lowest number?

**Ans**  1. -4

 2. -3

 3. -2

 4. 0

**Q.92** Refer to the following number and symbol series and answer the question that follows.  
Counting to be done from left to right only.

(NOTE: All numbers are single digit numbers only.)

(Left) # 1 9 7 \$ 9 1 5 2 @ 6 8 # € £ & 8 \$ 4 5 9 5 (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

**Ans**  1. 3

 2. 2

 3. 4

 4. 5

**Q.93** Which category of musical instruments was related to objects of utility in daily life?

**Ans**  1. Tata Vadya

 2. Avanaddh Vadya

 3. Ghana Vadya

 4. Sushira Vadya

**Q.94** A student scores 80 marks in a subject with a weightage of 3 and 90 marks in another subject with a weightage of 2. What is the weighted average score of the student?

**Ans**  1. 84


 2. 88

 3. 86

 4. 82

**Q.95** Two banks, A and B, offered loans at 3.5% and 6.5% per annum, respectively. Keshav borrowed an amount of ₹2,00,000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Keshav after 2 years.

**Ans**  1. 13,500

 2. 13,000

 3. 11,500

 4. 12,000

**Q.96** Piyush ranked 34<sup>th</sup> from the top and 57<sup>th</sup> from the bottom in his class. How many students are there in his class?

**Ans**  1. 91

 2. 92

 3. 90

 4. 89

**Q.97** Which of the following correctly characterises the regulatory and structural aspects of the NPS Vatsalya scheme, as launched in 2024?  
The scheme is administered by the Pension Fund Regulatory and Development Authority (PFRDA).  
Contributions under NPS Vatsalya are pooled into a government-managed consolidated fund without individual accounts.  
The scheme allows a smooth shift to a regular NPS account when the subscriber turns 18 years of age.  
Upon attaining adulthood, subscribers must compulsorily exit NPS Vatsalya and opt for the Atal Pension Yojana.

- Ans**
- ☐ 1. Only 2
  - ☐ 2. 2, 3 and 4
  - ☒ 3. 1 and 3
  - ☐ 4. 1 and 4

**Q.98** The average marks of 30 students in a mathematics test were found to be 55. However, it was later discovered that a mark of 72 was mistakenly recorded as 27, and another mark of 64 was mistakenly recorded as 46. What is the actual average score?

- Ans**
- ☐ 1. 60.2
  - ☐ 2. 55.5
  - ☐ 3. 63.4
  - ☒ 4. 57.1

**Q.99** Mr. Evan starts from Point A and drives 8 km towards the East. He then takes a right turn, drives 19 km, turns right and drives 19 km. He then takes a right turn and drives 9 km. He then taken a right turn, drives 3 km, turns left and drives 6 km. He takes a final right 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 degrees turns only unless specified.)

- Ans**
- ☐ 1. 3 km to the West
  - ☒ 2. 4 km to the North
  - ☐ 3. 7 km to the North
  - ☐ 4. 9 km to the West

**Q.100** Each of the digits in the number 6427519 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**
- ☐ 1. 3
  - ☐ 2. 0
  - ☐ 3. 2
  - ☒ 4. 1