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 ÷ [12 + {7 × (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 ΔPQR are produced to points S and T. If $\angle PRT > \angle RQS > 50^o$ and $\angle PRT + \angle RQS = 220^o$, 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 π = 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 77^{th} Senior and 54^{th} 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 × length × time^2
- ✗ B. mass × length × time
- ✓ C. mass × length × time^{-2}
- ✗ D. mass × length^2 × 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

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