



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-सातक 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 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. 92.58 meters
 - ☒ B. 92.38 meters
 - ☒ C. 92.18 meters
 - ☒ D. 92.78 meters

Q.2 Which of the following is a pair of co-primes?

- Ans**
- ☒ A. 25 and 36
 - ☒ B. 44 and 99
 - ☒ C. 27 and 36
 - ☒ D. 42 and 56

Q.3 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. 70
 - ☒ B. 90
 - ☒ C. 100
 - ☒ D. 80

Q.4 Simplify: $\frac{340}{17} \times \frac{156}{13} + \frac{1484}{28} - \frac{14}{10}$

- Ans**
- ☒ A. 271.6
 - ☒ B. 291.6
 - ☒ C. 261.6
 - ☒ D. 281.6

Q.5 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. 42 years
 - ☐ C. 45 years
 - ☐ D. 38 years

Q.6 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. 9978
 - ☐ D. 9557

Q.7 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. 174
 - ☐ B. 181
 - ☐ C. 197
 - ☒ D. 220

Q.8 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. $\frac{4}{5}$
 - ☐ B. $\frac{3}{8}$
 - ☐ C. $\frac{2}{7}$
 - ☒ D. $\frac{5}{9}$

Q.9 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. 80
 - ☐ C. 70
 - ☐ D. 50

Q.10 The measure of an interior angle of a regular polygon is 162° . Find the number of sides of the polygon.

- Ans**
- ☐ A. 12
 - ☐ B. 18
 - ☒ C. 20
 - ☐ D. 22

Q.11 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. 1
 - ☒ C. 4
 - ☒ D. 3

Q.12 A shirt originally costing ₹800 is first decreased by 30% and then increased by 15%. What is its new price?

- Ans**
- ☒ A. ₹750
 - ☒ B. ₹680
 - ☒ C. ₹644
 - ☒ D. ₹714

Q.13 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. 25%
 - ☒ C. 27%
 - ☒ D. 22%

Q.14 Find the least value of $(4K^2+2M)$ for which the five digits number 7KM93 is divisible by 9.

- Ans**
- ☒ A. 12
 - ☒ B. 14
 - ☒ C. 27
 - ☒ D. 16

Q.15 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. 35%
 - ☒ D. 40%

Q.16 Find the rate of interest at which the simple interest on ₹15,000 for 4 years is ₹3,600.

- Ans**
- ☒ A. 4%
 - ☒ B. 7%
 - ☒ C. 6%
 - ☒ D. 5%

Q.17 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. 27.43 km/hr
 - ☒ C. 24.56 km/hr
 - ☒ D. 26.85 km/hr

Q.18 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. 12%
 - ☒ B. 8%
 - ☒ C. 10%
 - ☒ D. 15%

Q.19 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. 5:8
 - ☒ B. 3:5
 - ☒ C. 4:7
 - ☒ D. 2:5

Q.20 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. 10%
 - ☒ B. 12%
 - ☒ C. 5%
 - ☒ D. 8%

Q.21 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. 39.57
 - ☒ C. 41.57
 - ☒ D. 38.57

Q.22 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. ₹24,000
 - ☒ B. ₹22,000
 - ☒ C. ₹20,000
 - ☒ D. ₹18,000

Q.23 The mean proportional between 12 and a number is twice the mean proportional between 9 and 16. Find the number.

- Ans**
- ☒ A. 56
 - ☒ B. 72
 - ☒ C. 60
 - ☒ D. 48

Q.24 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. 30.5
 - ☒ B. 27.4
 - ☒ C. 25.2
 - ☒ D. 29.3

Q.25 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. 15,600
 - ✗ B. 15,100
 - ✗ C. 16,600
 - ✗ D. 17,100

Q.26 Evaluate $22^3 + (-18)^3 + (-4)^3$

- Ans**
- ✗ A. 4800
 - ✗ B. 4819
 - ✓ C. 4752
 - ✗ D. 4617

Q.27 Find the mean proportional between $(2 + \sqrt{3})$ and $(10 - \sqrt{75})$.

- Ans**
- ✗ A. $\sqrt{3}$
 - ✗ B. $2 + \sqrt{3}$
 - ✗ C. $\sqrt{2}$
 - ✓ D. $\sqrt{5}$

Q.28 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. 8 hours
 - ✗ C. 7.5 hours
 - ✓ D. 7.2 hours

Q.29 Simplify: $\left(\frac{\sqrt[3]{4096}}{\sqrt[4]{10000}} \right) \times \frac{5}{48} \times 186$

- Ans**
- ✗ A. 30
 - ✗ B. 29
 - ✓ C. 31
 - ✗ D. 36

Q.30 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. 26%
 - ✓ B. 27.1%
 - ✗ C. 25.4%
 - ✗ D. 28%

Section : General Awareness

Q.31 Which of the following countries became a member of the BRICS' New Development Bank in May 2025?

- Ans**
- ✗ A. Luxumberg
 - ✗ B. Ethiopia
 - ✗ C. Tiawan
 - ✓ D. Algeria

Q.32 Which of the following is the most important port-based industrial region in India?

- Ans**
- ☒ A. Chotanagpur plateau region
 - ☒ B. Hooghly industrial belt
 - ☒ C. Hyderabad–Bengaluru corridor
 - ☒ D. Ahmedabad–Vadodara region

Q.33 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. Gangubai Hangal
 - ☒ B. Pandit Bhimsen Joshi
 - ☒ C. Bade Fateh Ali Khan
 - ☒ D. Nayak Gopal

Q.34 In March 2026, Jose Antonio Kast took oath as the President of which of the following countries?

- Ans**
- ☒ A. Chile
 - ☒ B. Argentina
 - ☒ C. Brazil
 - ☒ D. Peru

Q.35 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 II is correct
 - ☒ C. Only I is correct
 - ☒ D. Both I and II are correct

Q.36 Through which two Indian states will the newly approved Greenfield High-Speed Corridor, sanctioned in April 2025, pass?

- Ans**
- ☒ A. Manipur and Nagaland
 - ☒ B. Tripura and Mizoram
 - ☒ C. Meghalaya and Assam
 - ☒ D. Arunachal Pradesh and Sikkim

Q.37 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.38 In which of the following media does sound move the fastest at a particular temperature?

- Ans**
- ☒ A. Air
 - ☒ B. Iron
 - ☒ C. Vacuum
 - ☒ D. Water

Q.39 Who commissioned the Konark Sun Temple?

- Ans
- ☒ A. Narasimhadeva I
 - ☐ B. Harshavardhana
 - ☐ C. Ashoka
 - ☐ D. Chandragupta II

Q.40 The 42nd Amendment placed tribunals under which Part of the Constitution?

- Ans
- ☐ A. Part IX-B
 - ☒ B. Part XIV-A
 - ☐ C. Part XV
 - ☐ D. Part XII

Q.41 As of Union Budget 2025-26, what is the proposed size of the new Fund of Funds for Startups?

- Ans
- ☐ A. ₹7,500 crore
 - ☐ B. ₹12,000 crore
 - ☐ C. ₹5,000 crore
 - ☒ D. ₹10,000 crore

Q.42 How did Sayyid Ahmad Khan's Aligarh Movement differ from the Arya Samaj?

- Ans
- ☒ A. Aligarh Movement supported Western-style education, while Arya Samaj promoted Vedic studies.
 - ☐ B. Aligarh Movement opposed science, while Arya Samaj rejected old scriptures.
 - ☐ C. Aligarh Movement encouraged priestly control, while Arya Samaj rejected monotheism.
 - ☐ D. Aligarh Movement rejected modern learning, while Arya Samaj discouraged rational thinking.

Q.43 *Karagattam, a popular folk dance of Tamil Nadu performed mainly by women balancing decorated pots, is dedicated to which deity?*

- Ans
- ☐ A. Goddess Meenakshi
 - ☒ B. Goddess Mariamman
 - ☐ C. Goddess Andal
 - ☐ D. Goddess Kamakshi

Q.44 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. 1.5%
 - ☒ B. 2.5%
 - ☐ C. 0.5%
 - ☐ D. 2.1%

Q.45 Which of the following islands of India is closest to the Malabar Coast?

- Ans
- ☐ A. Andaman Islands
 - ☐ B. Diu Island
 - ☒ C. Lakshadweep
 - ☐ D. Nicobar Islands

Q.46 Starch, a major component of flour and potatoes, is a **polysaccharide**. What chemical process occurs when starch is heated with water?

- Ans
- ☐ A. Fermentation
 - ☒ B. Gelatinization
 - ☐ C. Saponification
 - ☐ D. Caramelization

Q.47 What is the first phase of Kerala's Motor Vehicle Department (MVD) child safety rule implementation conducted in October 2024?

- Ans**
- ☐ A. Enforcement with penalties
 - ☒ B. Social media awareness campaign
 - ☐ C. Stopping and warning violators
 - ☐ D. Distribution of child restraint systems

Q.48 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.49 What is the meaning of globalisation?

- Ans**
- ☐ A. Economic isolation of countries from global markets
 - ☐ B. Reduction in the volume of international trade
 - ☐ C. Expansion of state ownership across major industries
 - ☒ D. Integration of a country's economy with the world economy

Q.50 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.51 Where did the Prime Minister of India chair the 7th National Board for Wildlife meeting in March 2025?

- Ans**
- ☐ A. Pench National Park
 - ☐ B. Satpura Tiger Reserve
 - ☒ C. Gir National Park
 - ☐ D. Sariska Tiger Reserve

Q.52 Which term in the Preamble indicates that India has an elected head of state, NOT hereditary?

- Ans**
- ☐ A. Socialist
 - ☐ B. Secular
 - ☐ C. Sovereign
 - ☒ D. Republic

Q.53 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 only works on removable media.
 - ☐ B. It is always visible to the user.
 - ☐ C. It requires Internet access to run.
 - ☒ D. It primarily maintains and optimizes storage resources, not domain tasks like writing letters.

Q.54 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. Barbados
 - ☐ D. Trinidad and Tobago

Q.55 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. 40%
 - ☐ B. 55%
 - ☒ C. 80%
 - ☐ D. 65%

Q.56 Swami Vivekananda represented India at which international event in 1893?

- Ans**
- ☐ A. Hague Peace Conference
 - ☒ B. Chicago World's Parliament of Religions
 - ☐ C. London Missionary Conference
 - ☐ D. First Indian National Congress

Q.57 The largest freshwater lake in India is:

- Ans**
- ☐ A. Loktak Lake
 - ☐ B. Dal Lake
 - ☐ C. Chilika Lake
 - ☒ D. Wular Lake

Q.58 The Fundamental Duties suggested by the Swaran Singh Committee were incorporated through which Constitutional Amendment?

- Ans**
- ☐ A. 44th Amendment
 - ☒ B. 42nd Amendment
 - ☐ C. 40th Amendment
 - ☐ D. 48th Amendment

Q.59 "The Argumentative Indian," a book discussing Indian history and culture, is authored by:

- Ans**
- ☐ A. Jawaharlal Nehru
 - ☒ B. Amartya Sen
 - ☐ C. Ramachandra Guha
 - ☐ D. Shashi Tharoor

Q.60 Which new industries grew after 1991 due to economic reforms?

- Ans**
- ☐ A. Space and Nuclear
 - ☐ B. Oil and Gas only
 - ☒ C. Banking and Information Technology
 - ☐ D. Railways and Defence

Q.61 The zone on Earth where no S-waves are detected is known as:

- Ans**
- ☐ A. Epicentral gap
 - ☐ B. Active zone
 - ☒ C. Shadow zone
 - ☐ D. Seismic belt

Q.62 Which union ministry primarily organized the national-level celebration for the 150th anniversary of 'Vande Mataram'?

- Ans**
- ☐ A. Ministry of Education
 - ☒ B. Ministry of Culture
 - ☐ C. Ministry of Home Affairs
 - ☐ D. Ministry of Youth Affairs and Sports

Q.63 What is a unitary feature of the Constitution of India?

- Ans**
- ☐ A. Supremacy of the Constitution
 - ☐ B. Dual government
 - ☐ C. Bicameral legislature
 - ☒ D. Integrated judiciary

Q.64 The basic unit of memory used by a computer to store binary data is called a:

- Ans**
- ☐ A. Byte
 - ☐ B. Nibble
 - ☐ C. Word
 - ☒ D. Bit

Q.65 Which Indian ruler was the first to enter into a Subsidiary Alliance with the British in 1798?

- Ans**
- ☐ A. Maharaja of Mysore
 - ☐ B. Maharaja of Jaipur
 - ☒ C. Nizam of Hyderabad
 - ☐ D. Nawab of Oudh

Q.66 Which of the following machines was designed by Charles Babbage?

- Ans**
- ☐ A. Atanasoff–Berry Computer
 - ☒ B. Analytical Engine
 - ☐ C. UNIVAC
 - ☐ D. ENIAC

Q.67 The First War of Independence (1857) began at which place?

- Ans**
- ☐ A. Delhi
 - ☐ B. Lucknow
 - ☐ C. Kanpur
 - ☒ D. Meerut

Q.68 Which of the following keyboard shortcuts is used to paste copied content?

- Ans**
- ☐ A. Ctrl + F
 - ☐ B. Ctrl + S
 - ☐ C. Ctrl + C
 - ☒ D. Ctrl + V

Q.69 The Gram Nyayalayas Act was enacted in which of the following years?

- Ans**
- ☒ A. 2008
 - ☐ B. 2002
 - ☐ C. 2006
 - ☐ D. 2005

Q.70 Population density is defined as the number of people per:

- Ans**
- ☐ A. Total population
 - ☐ B. Urban center
 - ☐ C. Arable land
 - ☒ D. Unit of land area

Section : General Intelligence and Reasoning

Q.71 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?

$$9 \text{ A } 3 \text{ C } 15 \text{ B } 2 = ? \text{ D } 10$$

- Ans**
- ☐ A. 39
 - ☐ B. 33
 - ☐ C. 34
 - ☒ D. 43

Q.72 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. Four
 - ☐ B. Three
 - ☒ C. One
 - ☐ D. Two

Q.73 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-KL
 - ☐ B. NW-FN-WR
 - ☐ C. NW-FN-OP
 - ☒ D. NW-FN-WF

Q.74 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. KG - MI - NO
 - ☐ B. LG - MH - NO
 - ☒ C. LG - MH - NP
 - ☐ D. KG - MH - NO

Q.75 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. AZD
 - ☐ B. BAE
 - ☐ C. EDH
 - ☒ D. RQT

Q.76 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.77 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. G
 - ☒ B. A
 - ☐ C. R
 - ☐ D. N

Q.78 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. yy
 - ☐ B. mr
 - ☐ C. wp
 - ☐ D. ae

Q.79 In a certain code language,
 $A \wedge B$ means 'A is the mother of B',
 $A \div B$ means 'A is the daughter of B',
 $A ! B$ means 'A is the wife of B', and
 $A \vee B$ means 'A is the father of B'.
 Based on the above, how is T related to Z if $T \vee U \div V \wedge W ! Z$?

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

Q.80 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. One
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. Two

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 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. Both conclusions (I) and (II) follow
 - ✗ C. Only conclusion (I) follows
 - ✗ D. Only conclusion (II) follows

Q.82 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. QOL
 - ✓ C. GFB
 - ✗ D. IGD

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 C 10 D 9 A 21 B 42 = ?

- Ans**
- ✓ A. 14
 - ✗ B. 12
 - ✗ C. 16
 - ✗ 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. OR-LE
 - ✓ B. KM – HA
 - ✗ C. BE-YR
 - ✗ D. MP – JC

Q.85 What should come in place of '?' in the given series?

184 164 145 127 110 94 ?

- Ans**
- ✗ A. 81
 - ✗ B. 75
 - ✓ C. 79
 - ✗ D. 83

Q.86 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. TRD
 - ☐ B. TSC
 - ☐ C. USC
 - ☐ D. SQE

Q.87 What should come in place of '?' in the given series?

9 ? 18 45 109 234

- Ans**
- ☐ A. 15
 - ☐ B. 12
 - ☒ C. 10
 - ☐ D. 17

Q.88 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. Brother's wife
 - ☐ C. Father's mother's brother's daughter
 - ☐ D. Father's brother's wife

Q.89 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. yg
 - ☒ B. kc
 - ☐ C. rq
 - ☐ D. eq

Q.90 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. 10
 - ☐ B. 11
 - ☒ C. 8
 - ☐ D. 7

Q.91 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. J
 - ☒ B. B
 - ☐ C. K
 - ☐ D. P

Q.92 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. FKK : GEH
 - ✗ C. MHD : NBA
 - ✗ D. HLP : IFM

Q.93 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. 3 km to the west
 - ✓ B. 5 km to the west
 - ✗ C. 4 km to the east
 - ✗ D. 6 km to the west

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. 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. Two
 - ✗ B. Three
 - ✗ C. One
 - ✗ D. Four

Q.95 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.96 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. NR62
 - ✗ B. NR61
 - ✗ C. NQ62
 - ✓ D. NQ61

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 fans are motors. All motors are scooters.

Conclusion (I) : Some scooters are motors

Conclusion (II) : All fans are scooters

- 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.98 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. 15, 256

☒ C. 19, 361

☒ D. 18, 381

Q.99 What should come in place of ? in the given series based on the English alphabetical order?

TWY VYA XAC ZCE ?

Ans ☒ A. BCE

☒ B. BDF

☒ C. BFF

☒ D. BEG

Q.100 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. Two

☒ C. Four

☒ D. One