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

Section : **General Awareness**

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. Ethopia
- ✗ C. Luxumberg
- ✗ D. Tiawan

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 Madya 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. Vaccum

✓ 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. 42^{nd} Amendment

✘ B. 48^{th} Amendment

✘ C. 44^{th} Amendment

✘ D. 40^{th} 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 7^{th} 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 '×', '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. 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

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