रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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

Test Date	16/06/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC UnderGraduate CBT I

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

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

Section : **Mathematics**

Q.1 Find the volume of a cylinder whose height is 21 cm and its radius is $\frac{3}{5}$ of the radius of another cylinder with a volume of 317900 cm^3 and a height of 14 cm. (Use π = 22/7)

Ans
- ✗ A. 171656 cm^3
- ✗ B. 161666 cm^3
- ✗ C. 171660 cm^3
- ✓ D. 171666 cm^3

Q.2 A recipe uses 2 cups of rice for every 3 cups of water. If you want to cook using 6 cups of rice, how much water will you need?

Ans
- ✗ A. 7 cups
- ✓ B. 9 cups
- ✗ C. 3 cups
- ✗ D. 6 cups

Q.3 The sum of two positive numbers is 36 and their product is 180. The positive difference between them is:

Ans
- ✓ A. 24
- ✗ B. 34
- ✗ C. 37
- ✗ D. 32

Q.4 Simplify: $\frac{\sin^2 A}{1 - \cos A} + \frac{\sin^2 A}{1 + \cos A}$

Ans
- ✗ A. 3
- ✓ B. 2
- ✗ C. 4
- ✗ D. 1

Q.5 The sides of a triangle are 75 cm, 21 cm, and 72 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 21 cm?

Ans
- ✗ A. 107
- ✗ B. 65
- ✗ C. 90
- ✓ D. 72

Q.6 A, B and C started a business, investing amounts of ₹1,960, ₹1,660, and ₹1,130 respectively. If B's share in the profit earned by them is ₹968, what is the difference in the profit (in ₹) earned by A and C?

Ans
- ✗ A. ₹487
- ✗ B. ₹486
- ✗ C. ₹482
- ✓ D. ₹484

Q.7 What will be the total amount payable after 3 years on a principal of ₹4,000 at 5% per annum, compounded annually?

Ans
- ✗ A. ₹4,550.50
- ✗ B. ₹4,050.50
- ✗ C. ₹4,600.50
- ✓ D. ₹4,630.50

Q.8 What is the simplified value of the following expression?

$\{(3^3+5^2)\times 2^3-4^3\}\div(7-3)$

Ans
- ✓ A. 88
- ✗ B. 95
- ✗ C. 44
- ✗ D. 84

Q.9 Chetan's salary is ₹17,000 per month. He spends ₹4,000 on house rent, ₹2,500 on bills, and the rest of the amount is his monthly savings. Find his savings (in ₹) in a year, if in the month of his birthday, he spent his complete monthly savings for a birthday celebration.

Ans
- ✗ A. 94,500
- ✗ B. 1,26,000
- ✓ C. 1,15,500
- ✗ D. 1,05,000

Q.10 A trader buys 20 kg of rice for ₹1,000. He sells the rice at the rate of ₹60 per kg. What is the percentage profit made by the trader?

Ans
- ✓ A. 20%
- ✗ B. 18%
- ✗ C. 15%
- ✗ D. 22%

Q.11 What is the smallest 5-digit number that is exactly divisible by 12, 15 and 20?

Ans
- ✗ A. 10080
- ✓ B. 10020
- ✗ C. 10200
- ✗ D. 10320

Q.12 The average age of 7 students in a class is 17 years. When a new student join the class, the average age of the class becomes 18 years. Find the age of the new student.

Ans
- ✗ A. 20 years
- ✗ B. 26 years
- ✓ C. 25 years
- ✗ D. 23 years

Q.13 A military camp has provisions for 360 soldiers for 50 days. After 10 days, 120 more soldiers arrive at the camp. Assuming the daily consumption per soldier remains constant, for how many more days will the remaining provisions last?

Ans
- ✓ A. 30 days
- ✗ B. 25 days
- ✗ C. 32 days
- ✗ D. 28 days

Q.14 If 45% of a number exceeds 20% of it by 36, then the number is:

Ans
- ✗ A. 124
- ✓ B. 144
- ✗ C. 184
- ✗ D. 164

Q.15 A car travels the first 60 km at 45 km/hr and the next 90 km at 60 km/hr. What is the average speed for the entire journey?
(Round off your answer to two decimal places.)

Ans
- ✗ A. 50.78 km/hr
- ✓ B. 52.94 km/hr
- ✗ C. 54.56 km/hr
- ✗ D. 53.84 km/hr

Q.16 If the sum of the ages of a father and son is 56 years and the father is 24 years older than his son, what is the son's age (in years)?

Ans
- ✓ A. 16
- ✗ B. 32
- ✗ C. 24
- ✗ D. 20

Q.17 Two taps can fill a cistern in 4 hours and 9 hours, respectively. A third tap can empty it in 9 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?

Ans
- ✗ A. 3
- ✗ B. 2
- ✗ C. 4
- ✓ D. 1

Q.18 Two trains are running on parallel tracks in the same direction. Train A is 90 m long and moves at 54 km/h. Train B is 75 m long and moves at 36 km/h. How much time will Train A take to completely overtake Train B?

Ans
- ✗ A. 25 seconds
- ✗ B. 30 seconds
- ✓ C. 33 seconds
- ✗ D. 22 seconds

Q.19 Simplify

$$\sqrt{\sqrt{\sqrt{256} + \sqrt{144} + (2\sqrt{2})^2} + \sqrt{841} \times (\sqrt{2})^2}$$

Ans
- ✗ A. $(3\sqrt{2})^2$
- ✗ B. $(\sqrt{2})^2$
- ✓ C. $(2\sqrt{2})^2$
- ✗ D. $(4\sqrt{2})^2$

Q.20 A student's marks were incorrectly entered as 37 instead of 22. Due to this, the average marks of the class got increased by $\frac{5}{4}$.

What is the number of students in the class?

Ans
- ✗ A. 4
- ✗ B. 11
- ✓ C. 12
- ✗ D. 21

Q.21 What is the mean proportional between 0.0009 and 0.25?

Ans
- ✓ A. 0.015
- ✗ B. 0.16
- ✗ C. 0.016
- ✗ D. 0.15

Q.22 A grocery store gives a Buy 5, Get 2 Free offer. The price of each item is ₹300. A customer needs a total of 21 items and procures the items under this scheme. What is the effective cost per item? (Round off your answer to two decimal places.)

Ans
- ✗ A. ₹214.45
- ✗ B. ₹114.29
- ✗ C. ₹241.29
- ✓ D. ₹214.29

Q.23 If the interest on a sum of ₹y at 2% per annum compounded annually for 2 years is ₹404, then the total amount payable at the end of the two-year period will be _____.

Ans
- ✓ A. ₹10,404
- ✗ B. ₹10,604
- ✗ C. ₹10,704
- ✗ D. ₹10,504

Q.24 A hollow spherical shell is made of a metal of density 10 g/cm^3. Its internal and external radius are 1 cm and 4 cm, respectively. What is the weight (in kg) of the shell?

$$\left(\text{Use } \pi = \frac{22}{7} \text{ and Density} = \frac{\text{Mass}}{\text{Volume}}\right)$$

Ans
- ✗ A. 2.24
- ✗ B. 1.98
- ✗ C. 1.92
- ✓ D. 2.64

Q.25 Find the smallest natural number x, for which 2x + 1 is not a prime number.

Ans

✗ A. 3

✗ B. 2

✓ C. 4

✗ D. 5

Q.26 If on a sale, there is 40% discount on the marked price of ₹1,200, but the sale is done at ₹520 only, then how much additional discount did the customer get?

Ans

✗ A. $25\frac{7}{9}\%$

✓ B. $27\frac{7}{9}\%$

✗ C. $26\frac{7}{9}\%$

✗ D. $28\frac{7}{9}\%$

Q.27 15 men and 19 women can complete a piece of work in 8 days, and 9 men and 4 women can complete the same work in 14 days. The work of how many women is equivalent to that of one man?

Ans

✗ A. 18

✗ B. 17

✗ C. 15

✓ D. 16

Q.28 Two numbers differ by 8. If five times the smaller number is subtracted from twice the larger number, the result is 13. What is the larger number?

Ans

✗ A. 12

✗ B. 10

✗ C. 8

✓ D. 9

Q.29 A shopkeeper buys sugar at ₹48 per kg. While selling, he uses a faulty weighing scale that gives only 960 g instead of 1 kg. In addition, he marks the selling price at a profit of 20% on the cost price and then offers a discount of 10% on the marked price. Find the overall percentage profit or loss made by the shopkeeper.

Ans

✗ A. 4.5% loss

✗ B. 11.4% profit

✓ C. 12.5% profit

✗ D. 10% profit

Q.30 Three numbers are in the ratio of 19 : 7 : 13, and their LCM is 8645. Their HCF is:

Ans

✗ A. 25

✓ B. 5

✗ C. 15

✗ D. 30

Section : **General Awareness**

Q.31 Nagarjuna Sagar Dam is constructed across which of the following rivers?

Ans

✗ A. Godavari

✗ B. Bhima

✗ C. Tungabhadra

✓ D. Krishna

Q.32 Which of the following is a hydroelectric power plant located on a Himalayan river?

Ans
- ✗ A. Srisailam Hydroelectric Power Plant
- ✗ B. Krishnarajasagar Hydroelectric Power Plant
- ✗ C. Mettur Hydroelectric Power Plant
- ✓ D. Tehri Dam and Hydroelectric Power Plant

Q.33 Which of the following countries signed the OECD Multilateral Convention in October 2025 to Implement BEPS (Base Erosion and Profit Shifting)?

Ans
- ✗ A. Japan
- ✗ B. Russia
- ✓ C. Brazil
- ✗ D. India

Q.34 Which of the following Articles of the Indian Constitution deals with the Fundamental Duties?

Ans
- ✗ A. Article 50
- ✗ B. Article 52
- ✗ C. Article 51
- ✓ D. Article 51 'A'

Q.35 Which edition of the Global Risks Report was released by the World Economic Forum in 2025?

Ans
- ✗ A. 21st Edition
- ✗ B. 18th Edition
- ✗ C. 19th Edition
- ✓ D. 20th Edition

Q.36 Which feature separates the Malda Gap from the rest of the Ganga-Brahmaputra Plains?

Ans
- ✗ A. Meghalaya Plateau
- ✗ B. Bundelkhand Plateau
- ✓ C. Rajmahal Hills
- ✗ D. Aravalli Range

Q.37 The Pin River constitutes the most important right bank tributary of _____.

Ans
- ✗ A. Chandra River
- ✓ B. Spiti River
- ✗ C. Bhaga River
- ✗ D. Tsarab River

Q.38 Heat generated in an electrical resistor is measured in which SI unit?

Ans
- ✗ A. Coulomb
- ✗ B. Volt
- ✓ C. Joule
- ✗ D. Watt

Q.39 The 'Mesolithic Age' is regarded as a transitional phase because it represents the shift between which two prehistoric periods?

Ans
- ✗ A. Neolithic Age and Chalcolithic Age
- ✗ B. Bronze Age and Iron Age
- ✓ C. Palaeolithic Age and Neolithic Age
- ✗ D. Chalcolithic Age and Iron Age

Q.40 Which of the following naval ships participated in the SLINEX-25 exercise in Sri Lanka in August 2025?

Ans

✗ A. INS Talwar and INS Shivalik

✗ B. INS Vikrant and INS Trikand

✗ C. INS Kolkata and INS Satpura

✓ D. INS Rana and INS Jyoti

Q.41 Which of the following traditional Indian percussion instruments is regarded as the predecessor of the modern Tabla?

Ans

✓ A. Pakhawaj

✗ B. Kanjira

✗ C. Dhol

✗ D. Thavil

Q.42 Consider the following statements regarding Input and Output devices and select the correct option.

(i) A microphone is an input device that can capture sound, but it cannot output any sound.
(ii) The CPU's processing speed is much faster than the data transfer rate of external devices like printers.

Ans

✗ A. (i) True, (ii) False

✗ B. (i) False, (ii) False

✗ C. (i) False, (ii) True

✓ D. (i) True, (ii) True

Q.43 Which one of the following best describes system software? Choose the correct option.

Ans

✗ A. Software used to create documents

✓ B. Software that manages hardware and provides platform for application software

✗ C. Software for browsing the internet

✗ D. Software for playing multimedia files

Q.44 A gastrointestinal disease caused by the protozoan Entamoeba histolytica leads to abdominal pain and stools with excess mucous and blood clots. It often spreads through contaminated food and water via houseflies acting as mechanical carriers. Which disease is described?

Ans

✗ A. Cholera

✗ B. Ascariasis

✗ C. Giardiasis

✓ D. Amoebiasis

Q.45 Which government department launched the 5G Innovation Hackathon 2025, a six-month initiative aimed at accelerating the development of innovative 5G-powered solutions to address societal and industrial challenges?

Ans

✗ A. Ministry of Electronics and Information Technology (MeitY)

✗ B. NITI Aayog

✗ C. Department of Science and Technology (DST)

✓ D. Department of Telecommunications (DoT)

Q.46 The Battle of Khanwa (1527) was fought between Babur and which of the following rulers?

Ans

✗ A. Ibrahim Lodi

✗ B. Bairam Khan

✓ C. Rana Sanga

✗ D. Sher Shah Suri

Q.47 Which of the following groups at the Second Round Table Conference claimed that Congress had no authority in their territories?

Ans
- ✔ A. Indian princes
- ✘ B. Provincial governors
- ✘ C. Zamindars
- ✘ D. British officials

Q.48 In a computer system, a running program stores currently required data in RAM. What does RAM stand for?

Ans
- ✘ A. Random Active Memory
- ✘ B. Random Access Mode
- ✘ C. Read Action Memory
- ✔ D. Random Access Memory

Q.49 According to the WMO report cited in 2025, global warming in Jan–Aug 2025 was approximately how much above pre-industrial levels?

Ans
- ✘ A. 0.8°C
- ✘ B. 1.0°C
- ✔ C. 1.42°C
- ✘ D. 2.1°C

Q.50 Which sector in India saw major growth due to globalisation?

Ans
- ✘ A. Education
- ✘ B. Mining
- ✘ C. Handicrafts
- ✔ D. IT and Services

Q.51 Which day is celebrated as National Youth Day (Birthday of Swami Vivekananda) in India every year?

Ans
- ✔ A. January 12th
- ✘ B. February 16th
- ✘ C. March 20th
- ✘ D. April 30th

Q.52 Which of the following best describes the authorship of the Rigveda?

Ans
- ✘ A. It was composed solely by Sage Vyasa and compiled during the Mahabharata era
- ✘ B. It was dictated by Valmiki as a poetic epic for oral transmission
- ✘ C. It was written by a single philosopher-king in ancient India
- ✔ D. It is a collection of hymns composed by various sages over generations

Q.53 When was the Industrial Policy Resolution (IPR) adopted in India?

Ans
- ✔ A. 1956
- ✘ B. 1954
- ✘ C. 1952
- ✘ D. 1959

Q.54 The energy of light (photon) is a form of _____.

Ans
- ✔ A. Electromagnetic Energy
- ✘ B. Gravitational Potential Energy
- ✘ C. Nuclear Energy
- ✘ D. Mechanical Energy

Q.55 Under Article 164(1A), the total number of Ministers in a State, including the Chief Minister, shall NOT exceed:

Ans

✗ A. 10% of the strength of the Legislative Assembly

✗ B. No limit is mentioned

✓ C. 15% of the strength of the Legislative Assembly

✗ D. 20% of the strength of the Legislative Assembly

Q.56 From which month and year are the Corporate Average Fuel Efficiency (CAFE-3) norms scheduled to be implemented in India?

Ans

✓ A. April 2027

✗ B. April 2028

✗ C. April 2026

✗ D. April 2029

Q.57 Which statement accurately explains the nature of the Inter Tropical Convergence Zone (ITCZ)?

Ans

✗ A. It marks a westerly wind system close to the Tropic of Capricorn.

✗ B. It forms a cold frontal region near the Himalayan ranges.

✓ C. It is an equatorial low-pressure belt where trade winds meet.

✗ D. It represents a zone of high pressure located near the poles.

Q.58 Which Indian city, as of October 2025, holds the world's second-largest collection of Art Deco buildings, including the UNESCO-recognized Oval Maidan precinct with 94 structures?

Ans

✓ A. Mumbai

✗ B. Kolkata

✗ C. Indore

✗ D. Jaipur

Q.59 Which Amendment made written Cabinet advice mandatory for Emergency in India?

Ans

✗ A. 26^{th} Amendment

✗ B. 24^{th} Amendment

✓ C. 44^{th} Amendment

✗ D. 42^{nd} Amendment

Q.60 For Windows operating system, choose the correct option that shows the primary difference between Sleep and Hibernate power-saving modes with respect to memory and system state?

Ans

✓ A. Sleep keeps data in RAM; Hibernate saves it to disk

✗ B. Hibernate keeps data in RAM; Sleep saves to disk

✗ C. Sleep saves system state to disk; Hibernate uses RAM

✗ D. Both save data to RAM

Q.61 In 2022, the President pardoned a woman jailed for a minor crime. Which Article of the Indian Constitution allows the President to grant pardons?

Ans

✗ A. Article 75

✗ B. Article 74

✓ C. Article 72

✗ D. Article 53

Q.62 What is GII in the context of Human Development?

Ans
- ✔ A. Gender Inequality Index
- ✘ B. Gender Inability Index
- ✘ C. Gender Inequality Information
- ✘ D. General Inequality Index

Q.63 Which feature of the Brahmo Samaj best reflects its reformist interpretation of Hindu religious practice?

Ans
- ✔ A. Promoting monotheistic worship and rejecting ritual sacrifices entirely.
- ✘ B. Defending priestly authority and supporting elaborate temple ceremonies.
- ✘ C. Upholding hereditary priesthood and strengthening caste divisions everywhere.
- ✘ D. Reviving Vedic polytheism and encouraging ritual offerings across India.

Q.64 The Indian Medical Association (IMA) recently appointed a new President. Who assumed charge as the IMA National President in December 2025?

Ans
- ✘ A. Dr. Ketan Desai
- ✘ B. Dr. Amit Chakrabarty
- ✔ C. Dr. Anil Nayak
- ✘ D. Dr. Dilip Bhanushali

Q.65 Which pigment is responsible for the green color of plants?

Ans
- ✘ A. Xanthophyll
- ✔ B. Chlorophyll
- ✘ C. Carotene
- ✘ D. Anthocyanin

Q.66 "Appellate jurisdiction of the Supreme Court in appeals from High Courts in regard to civil matters" is provided in which of the following provisions of the Constitution of India?

Ans
- ✔ A. Article 133
- ✘ B. Article 132
- ✘ C. Article 131
- ✘ D. Article 134

Q.67 In which year was the first "Sanskrit Commission" constituted?

Ans
- ✘ A. 1952
- ✘ B. 2013
- ✘ C. 2019
- ✔ D. 1956

Q.68 Article 243ZI of the Indian Constitution empowers the State Legislature to make laws regarding co-operative societies. Which principle is NOT included in its scope?

Ans
- ✘ A. Democratic member control
- ✘ B. Autonomous functioning
- ✘ C. Voluntary formation
- ✔ D. Compulsory State supervision

Q.69 The Morley-Minto Reforms were introduced by the British Government in India in _____.

Ans
- ✘ A. 1919
- ✔ B. 1909
- ✘ C. 1905
- ✘ D. 1935

Q.70 As of 1 March 2001, what was the population of India?

Ans
- ✔ A. 1,027 million
- ✘ B. 1,210 million
- ✘ C. 1,000 million
- ✘ D. 950 million

Section : **General Intelligence and Reasoning**

Q.71 What should come in place of the '?' in the given series?

19 36 59 94 147 ?

Ans
- ✘ A. 220
- ✔ B. 224
- ✘ C. 228
- ✘ D. 226

Q.72 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) O E D F F B G F G I Y U I L V U Y T S V T (Right)

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

Ans
- ✘ A. None
- ✘ B. One
- ✔ C. Two
- ✘ D. Three

Q.73 Town X is to the south of Town Y. Town Z is to the west of Town X. Town P is to the north of Town Z. Town Q is to the east of Town P. Town Y is to the north-west of Town Q. What is the position of Town X with respect to Town Q?

Ans
- ✘ A. North-east
- ✘ B. North-west
- ✘ C. South-east
- ✔ D. South-west

Q.74 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XK253, UO236, RS219, ?

Ans
- ✔ A. OW202
- ✘ B. NW206
- ✘ C. OV204
- ✘ D. MV208

Q.75 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

91, 184
88, 178

Ans
- ✔ A. 99, 200
- ✘ B. 104, 218
- ✘ C. 76, 152
- ✘ D. 92, 184

Q.76 In a certain code language,
A @ B means 'A is the mother of B',
A × B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D ÷ R @ Y + H'?

Ans
- ✔ A. Mother's mother
- ✘ B. Mother
- ✘ C. Sister
- ✘ D. Mother's sister

Q.77 In a certain code language,
A # B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A ! B means 'A is the wife of B' and
A & B means 'A is the father of B'.

How is N related to V if 'N @ K # S & R ! V'?

Ans
- ✘ A. Wife's father
- ✘ B. Husband
- ✔ C. Wife's brother
- ✘ D. Son

Q.78 In a row of 35 people facing the north, Geeta is 15^{th} from the right end. If Nalini sits 14^{th} to the left of Geeta, what is Nalini's position from the left end of the row?

Ans
- ✘ A. 9^{th}
- ✔ B. 7^{th}
- ✘ C. 4^{th}
- ✘ D. 5^{th}

Q.79 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✘ A. TWQM
- ✘ B. CFZV
- ✔ C. MPIE
- ✘ D. KNHD

Q.80 Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only three people sit between G and F when counted from the right of F. Q sits to the immediate right of G. Only three people sit between Q and M when counted from the left of Q. O sits to the immediate right of H. How many people sit between L and H when counted from the left of H?

Ans
- ✔ A. Two
- ✘ B. One
- ✘ C. Four
- ✘ D. Three

Q.81 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All gloves are bandages. No glove is a sling.
Conclusion (I) : Some slings are bandages
Conclusion (II) : All bandages are slings

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

Q.82 In a certain code language, 'car event stop' is coded as 'mb mj gs' and 'stop van lime' is coded as 'ii mb rb'. How is 'stop' coded in the given language?

Ans
✗ A. gs
✓ B. mb
✗ C. ii
✗ D. mj

Q.83 In a certain code language, 'DESK' is coded as '2794' and 'KIDS' is coded as '6924'. What is the code for 'I' in the given code language?

Ans
✗ A. 4
✓ B. 6
✗ C. 9
✗ D. 2

Q.84 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans
✓ A. RK – OG
✗ B. MJ – IF
✗ C. RF – NB
✗ D. UG – QC

Q.85 If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '–' and 'S' stands for '+', what will come in place of the question mark '?' in the following equation?

78 Q 3 S (55 Q 5) P 4 R 16 P 5 S 65 = ?

Ans
✗ A. 49
✗ B. 70
✗ C. 35
✓ D. 55

Q.86 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Exactly two boxes are kept between E and B. B is kept on one of the positions above E. C is kept at the bottommost position. Box G is kept immediately above E. Exactly two boxes are kept between D and G. Only one box is kept below F. Which box is immediately below B?

Ans
✗ A. G
✓ B. A
✗ C. F
✗ D. E

Q.87 ORVS is related to QTXU in a certain way based on the English alphabetical order. In the same way, PSWT is related to RUYV. To which of the following is HKOL related, following the same logic?

Ans
- ✗ A. JLPN
- ✗ B. JNPW
- ✓ C. JMQN
- ✗ D. JMPN

Q.88 What will come in place of the question mark (?) in the following equation, if '+' and '–' are interchanged and '×' and '÷' are interchanged?

43 – 85 × 5 + 10 ÷ 3 = ?

Ans
- ✗ A. 32
- ✓ B. 30
- ✗ C. 38
- ✗ D. 35

Q.89 RWFG is related to OTCD in a certain way based on the English alphabetical order. In the same way, FKTU is related to CHQR. To which of the following options is WBKL related, following the same logic?

Ans
- ✗ A. THYU
- ✗ B. TUHO
- ✗ C. THYI
- ✓ D. TYHI

Q.90 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements: Some stones are minerals. All minerals are elements.
Conclusions
(I) Some elements are stones.
(II) All stones are minerals.

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

Q.91 Each vowel in the word CONTAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

Ans
- ✓ A. M
- ✗ B. O
- ✗ C. L
- ✗ D. N

Q.92 Each letter in the word PREDIAL is changed to the letter immediately following it in the English alphabetical order and then all the letters thus obtained are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

Ans
- ✗ A. E
- ✗ B. M
- ✗ C. F
- ✓ D. J

Q.93 Aj, Bv, Cu, Dq, Em, Fh and Gt are sitting around a circular table, facing the centre.
Gt sits third to the left of Fh. Em sits second to the left of Fh. Bv sits third to the right of Em. Aj is the immediate neighbour of Cu and Gt.
How many people sit between Dq and Aj when counted from the left of Aj?

Ans
- ✗ A. One
- ✗ B. Two
- ✗ C. Four
- ✓ D. Three

Q.94 Sima ranked 12th from the top and 13th from the bottom in her class. How many students are there in her class?

Ans
- ✗ A. 20
- ✗ B. 23
- ✗ C. 22
- ✓ D. 24

Q.95 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans
- ✗ A. EFJ
- ✗ B. FGK
- ✓ C. YAD
- ✗ D. GHL

Q.96 What should come in place of ? in the given series based on the English alphabetical order?
GJL ORT WZB EHJ ?

Ans
- ✗ A. MOQ
- ✗ B. MQQ
- ✗ C. MNP
- ✓ D. MPR

Q.97 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
BLE 6 UEX 11 NXQ 16 GQJ 21 ?

Ans
- ✗ A. ZFB 25
- ✗ B. XHE 26
- ✓ C. ZJC 26
- ✗ D. YLI 25

Q.98 BGLQ is related to CHMR in a certain way based on the English alphabetical order. In the same way, VAFX is related to WBGY. To which of the following is PUZE related, in the same way?

Ans
- ✗ A. QVLP
- ✗ B. QVRT
- ✓ C. QVAF
- ✗ D. QVJK

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

28 33 44 61 84 113 ?

Ans
- ✗ A. 137
- ✗ B. 143
- ✗ C. 140
- ✓ D. 148

Q.100 **What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?**

12 − 50 ÷ 2 × 2 + 15 = ?

Ans

✗ A. 49

✗ B. 45

✗ C. 48

✓ D. 47

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