रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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

Test Date	19/06/2026
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 **Pipes A, B and C can together fill a tank in 6 hours. After working together for 2 hours, C is closed and A and B together fill the remaining part in 7 hours. The time taken (in hours) by C alone to fill the tank is:**

Ans
- ✗ A. 9
- ✗ B. 21
- ✗ C. 12
- ✓ D. 14

Q.2 **Which of the following are true to construct a quadrilateral uniquely?**
(i) Rhombus and square can be constructed when 2 diagonals are given.
(ii) The lengths of 2 adjacent sides and 2 angles are given.
(iii) The lengths of 3 sides and 1 angle are given.
(iv) The lengths of 4 sides and 1 diagonal are given.

Ans
- ✓ A. (i) and (iv)
- ✗ B. (ii) and (iv)
- ✗ C. (ii) and (iii)
- ✗ D. (i) and (iii)

Q.3 **Juhi and Mamta have certain amount of money. If Juhi gives ₹30 to Mamta, Juhi will then have twice as much money as Mamta. However, if Mamta gives ₹10 to Juhi, Juhi will then have four times as much money as Mamta. What is the total amount of money (in ₹) that Juhi and Mamta initially had together?**

Ans
- ✗ A. 290
- ✓ B. 300
- ✗ C. 320
- ✗ D. 310

Q.4 **If the sum of two distinct consecutive prime numbers is 36, what is the product of the two primes?**

Ans
- ✓ A. 323
- ✗ B. 361
- ✗ C. 289
- ✗ D. 221

Q.5 The sum of the surface areas of two spheres is 12584 π sq. cm. The radius of the larger sphere is five times the radius of the smaller sphere. Find the diameter of the larger sphere.

Ans

✔ A. 110 cm

✘ B. 125 cm

✘ C. 115 cm

✘ D. 120 cm

Q.6 Simplify $\left\{\left(\frac{20}{36}\right) \div \left(\frac{20}{5}\right)\right\} \div \left(\frac{5}{11} \text{x} \frac{22}{15} + \frac{3}{12}\right) + \frac{5}{5} \div \frac{33}{21} \text{of} \frac{21}{5}$

Ans

✘ A. $\frac{11}{24}$

✘ B. $\frac{13}{27}$

✘ C. $\frac{1}{40}$

✔ D. $\frac{10}{33}$

Q.7 An investor's portfolio value decreases by 30% in the first quarter but then increases by 50% in the next quarter. What is the overall percentage change in the portfolio value?

Ans

✘ A. 20% increase

✘ B. 10% increase

✘ C. 15% decrease

✔ D. 5% increase

Q.8 A shirt costs ₹655. During a sale, its price is reduced by 20%. What is the new price (in ₹) of the shirt?

Ans

✘ A. 525

✘ B. 527

✘ C. 526

✔ D. 524

Q.9 A sum is invested at 8% per annum, compounded half-yearly. If the amount after one year is ₹10,816, then what was the principal (in ₹)?

Ans

✘ A. 10,200

✘ B. 10,500

✔ C. 10,000

✘ D. 10,400

Q.10 The sum of two positive numbers is 14 and their product is 45. The positive difference between them is:

Ans

✘ A. 8

✔ B. 4

✘ C. 7

✘ D. 11

Q.11 A and B can do a piece of work in 12 days and 6 days, respectively. Both work for 2 days and then A leaves. B completed the remaining work alone. The whole work was completed in _____ days.

Ans
- ✗ A. 6
- ✗ B. 3
- ✗ C. 4
- ✓ D. 5

Q.12 The LCM of the numbers 15, 10 and 0.4 is:

Ans
- ✗ A. 36
- ✗ B. 34
- ✗ C. 32
- ✓ D. 30

Q.13 Which of the following options is the nearest number to 95061 that is divisible by 9?

Ans
- ✓ A. 95058
- ✗ B. 95057
- ✗ C. 95060
- ✗ D. 95059

Q.14 The ages of father and son are in the ratio of 12:7. Four years from now, their ages will be in the ratio of 5:3. Find the sum of their present ages.

Ans
- ✗ A. 128 years
- ✓ B. 152 years
- ✗ C. 119 years
- ✗ D. 139 years

Q.15 If the ratio of the height of a tower and the length of its shadow on the ground is $\sqrt{3} : 1$, then the angle of elevation of the sun is:

Ans
- ✗ A. 65°
- ✗ B. 45°
- ✓ C. 60°
- ✗ D. 30°

Q.16 P sells an item to Q and earns 12% profit. Q sells it to R and earns a profit of ₹26. If the item was sold to R directly by P at the same price, the percentage of profit would have been 25%. The cost price of the item is ₹_____.

Ans
- ✗ A. 180
- ✗ B. 220
- ✗ C. 250
- ✓ D. 200

Q.17 A cyclist travels from town A to town B, a distance of 182 km. For the first 84 km, he rides at a certain speed. For the remaining distance (98 km), he increases his speed by 7 km/h and therefore reaches 42 minutes earlier than the time he would have taken if he had travelled the entire distance at the original speed. Find the original speed.

Ans
- ✗ A. 21 km/hr
- ✓ B. 28 km/hr
- ✗ C. 22.5 km/hr
- ✗ D. 24 km/hr

Q.18 The radius of the base of a cylinder is 3.5 cm and its curved surface area is 616 cm². Find the volume of the cylinder.

$\left(\text{Take } \pi = \frac{22}{7}\right)$

Ans

✗ A. 1370 cm³

✗ B. 1024 cm³

✗ C. 1424 cm³

✓ D. 1078 cm³

Q.19 What is the average of prime numbers lying between 5 and 30?

Ans

✓ A. 17

✗ B. 19

✗ C. 21

✗ D. 23

Q.20 A fruit seller uses a faulty balance that reads 900 grams as 1 kg. He sells apples at ₹150 per kg (as per faulty balance). If his purchase price is ₹120 per kg (actual weight), what is his actual profit percentage?

Ans

✓ A. $38\frac{8}{9}\%$

✗ B. $38\frac{4}{9}\%$

✗ C. $37\frac{8}{9}\%$

✗ D. $37\frac{4}{9}\%$

Q.21 ₹1,472 is divided among Rohit, Maya, and Vikas in such a way that if ₹25, ₹52, and ₹18 be deducted from their respective shares, they have money in the ratio 15:19:17. Find Vikas's amount after deduction.

Ans

✗ A. ₹359

✗ B. ₹509

✗ C. ₹559

✓ D. ₹459

Q.22 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 89% and 68%, shop II allows successive discounts of 50% and 51%, shop III allows successive discounts of 25% and 11% and shop IV allows successive discounts of 94%, 49%, and 21% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

Ans

✗ A. I

✓ B. IV

✗ C. II

✗ D. III

Q.23 If the cost of 6 chocolates, 12 chocolates, and x chocolates are in proportion such that x is the third proportional, how many chocolates correspond to x?

Ans

✓ A. 24

✗ B. 32

✗ C. 28

✗ D. 26

Q.24 Simplify: $\frac{(3^2 \times 9)^3}{27^2 \times 3^4}$

Ans
- ✗ A. $\frac{1}{3}$
- ✗ B. 3
- ✓ C. 9
- ✗ D. $\frac{1}{9}$

Q.25 The average of 8 numbers is 43. If each number is decreased by 7, what will the new average be?

Ans
- ✗ A. 43
- ✓ B. 36
- ✗ C. 8
- ✗ D. 29

Q.26 The mode of the numbers 7, 8, 7, 9, 10 is:

Ans
- ✓ A. 7
- ✗ B. 9
- ✗ C. 10
- ✗ D. 8

Q.27 Two trains of lengths 100 m and 150 m are moving in opposite directions at 40 km/h and 60 km/h, respectively. Find the time taken by the trains (in seconds) to cross each other other.

Ans
- ✗ A. 8 seconds
- ✗ B. 9.5 seconds
- ✓ C. 9 seconds
- ✗ D. 8.9 seconds

Q.28 The present ages of A and B are in the ratio 5 : 7. After 6 years, the sum of their ages will be 60 years. What is A's present age?

Ans
- ✗ A. 40 years
- ✓ B. 20 years
- ✗ C. 25 years
- ✗ D. 30 years

Q.29 A wholesaler allows a scheme discount of 25% on an article whose marked price is ₹2,400. The retailer is required to pay the remaining amount in full. What is the net price paid by the retailer?

Ans
- ✗ A. ₹1,700
- ✗ B. ₹1,750
- ✗ C. ₹1,900
- ✓ D. ₹1,800

Q.30 A sum, when invested at 20% simple interest per annum, amounts to ₹5,040 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 years?

Ans
- ✗ A. 630
- ✗ B. 2,520
- ✗ C. 5,040
- ✓ D. 1,260

Section : **General Awareness**

Q.31 Which policy, approved in August 2024, aims to accelerate innovation-driven research and entrepreneurship in high-performance biomanufacturing in India?

Ans

✗ A. Bio-India 2025

✗ B. GenTech Initiative

✓ C. BioE3

✗ D. BioGrowth Scheme

Q.32 Tribunals under Article 323A (Administrative tribunals) of the Constitution of India can be established by:

Ans

✗ A. Supreme Courts only

✓ B. Parliament only

✗ C. State legislatures only

✗ D. High Courts only

Q.33 What was the theme for International Mother Language Day 2025?

Ans

✓ A. Silver Jubilee Celebration of International Mother Language Day

✗ B. Using technology for multilingual learning: Challenges and opportunities

✗ C. Multilingual Education: A necessity to transform education

✗ D. Multilingual education – a pillar of learning and intergenerational learning

Q.34 Consider the following statements:
1. Project Elephant was launched in 1992 to protect elephants in India.
2. Project Tiger was launched in 1973 to conserve tigers in India
3. Sundarbans Biosphere Reserve is located in West Bengal, India.
4. Keoladeo National Park is located in Madhya Pradesh.
Which of the above statements are correct?

Ans

✗ A. 1, 3, 4

✓ B. 1, 2, 3

✗ C. 2, 3

✗ D. 2, 3, 4

Q.35 The French East India Company's main settlement in India was located at which place?

Ans

✗ A. Karaikal

✗ B. Chandernagore

✓ C. Pondicherry

✗ D. Mahe

Q.36 Which Article of the Indian Constitution places the most emphasis on reducing income and status disparities?

Ans

✓ A. Article 38(2)

✗ B. Article 39

✗ C. Article 38(1)

✗ D. Article 36

Q.37 Which of the following is a method specifically used to control particulate air pollution?

Ans

✓ A. Use of fabric filters to trap dust and fly ash

✗ B. Absorption of gases using liquid scrubbers

✗ C. Catalytic combustion in open furnaces

✗ D. Increasing chimney height without any treatment

Q.38 Which Padma Shri awardee was given the title of Nritya Samragini by Rabindranath Tagore?

Ans

✗ A. Kanak Rele

✗ B. Sobha Naidu

✓ C. Sitara Devi

✗ D. Balasaraswati

Q.39 Which of the following is the primary association of the Ektara, a folk musical instrument?

Ans

✗ A. Temple rituals in Odisha

✗ B. Martial arts performances in Chhau dance

✓ C. Folk and devotional string music

✗ D. Court dances of Tamil Nadu

Q.40 Which of the following statements about the Emergency provisions is true?

Ans

✓ A. Convert the federal system into a unitary one

✗ B. Make India a monarchy

✗ C. Formalise a constitutional amendment

✗ D. Allow federalism to continue

Q.41 In which year was the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) launched?

Ans

✗ A. 2013-14

✗ B. 2012-13

✗ C. 2014-15

✓ D. 2015-16

Q.42 If a ball is thrown vertically upward, which of the following describes its velocity at the highest point?

Ans

✗ A. Positive

✗ B. Negative

✗ C. Equal to acceleration due to gravity

✓ D. Zero

Q.43 Uday Shankar, the pioneer of modern dance form, was conferred with which of the following National Awards in 1971?

Ans

✗ A. Padma Bhushan

✓ B. Padma Vibhushan

✗ C. Padma Shri

✗ D. Jnanpith Award

Q.44 India followed which strategy to reduce dependence on foreign goods after independence?

Ans

✗ A. Free trade

✗ B. Export-led growth

✓ C. Import substitution

✗ D. Dollarisation

Q.45 Which of the following statements is/are true or false regarding Sleep and Hibernate modes in Windows 11?

(i) Hibernate saves the session to the hard disk before shutting down, allowing full recovery upon restart.
(ii) Sleep consumes more power than Hibernate because it keeps the RAM powered.

Ans
- ✔ A. (i) True, (ii) True
- ✘ B. (i) False, (ii) True
- ✘ C. (i) True, (ii) False
- ✘ D. (i) False, (ii) False

Q.46 At the 2025 World Aquatics Championships, which male swimmer set a new world record in the 200 m individual medley (IM) during semifinals?

Ans
- ✘ A. Shaine Casas
- ✘ B. Michael Phelps
- ✔ C. Leon Marchand
- ✘ D. Luca Urlando

Q.47 During PM Modi's visit to the USA in February 2025, what was the target set under 'Mission 500'?

Ans
- ✘ A. 500 joint military exercises
- ✘ B. 500 Indian startups launched in the USA
- ✔ C. $500 billion in bilateral trade by 2030
- ✘ D. 500 defence agreements signed

Q.48 Which of the following is an inland riverine port?

Ans
- ✘ A. Kochi
- ✔ B. Kolkata
- ✘ C. Visakhapatnam
- ✘ D. Kandla

Q.49 Which of the following elements is malleable and a good conductor of heat and electricity?

Ans
- ✘ A. Iodine (I)
- ✔ B. Barium (Ba)
- ✘ C. Sulfur (S)
- ✘ D. Neon (Ne)

Q.50 A Local Area Network (LAN) enables resource sharing by connecting devices to the network medium through a specialized adapter called the _____.

Ans
- ✘ A. Read-Only Memory
- ✘ B. Graphics Processing Unit
- ✔ C. Network Interface Card
- ✘ D. Central Processing Unit

Q.51 Which tree species is most commonly associated with India’s tropical deciduous forests?

Ans
- ✘ A. Pine
- ✘ B. Fir
- ✔ C. Teak
- ✘ D. Oak

Q.52 **Consider the following statements regarding the provincial administration in the Mughal period and select the correct option.**

Statement I: The subedar was head of the province and responsible for the maintenance of general law and order.
Statement II: The head of the revenue department in the suba was Diwan.

Ans
- ✓ A. Both statements I and II are correct.
- ✗ B. Both statements I and II are incorrect.
- ✗ C. Statement I is correct, while statement II is incorrect.
- ✗ D. Statement I is incorrect, while statement II is correct.

Q.53 **In Windows 11 File Explorer, which feature is used to quickly locate a file by typing its name?**

Ans
- ✗ A. Properties
- ✓ B. Search box
- ✗ C. Sort
- ✗ D. View

Q.54 **What is the President's primary constitutional duty as per the oath under Article 60?**

Ans
- ✗ A. Formulate policies for the governance of India
- ✗ B. Manage finances for the governance of India
- ✓ C. Preserve, protect and defend the Constitution
- ✗ D. Control Council of Ministers headed by Prime Minister

Q.55 **Which of the following is a landlocked inland river port in India?**

Ans
- ✗ A. Kandla port
- ✗ B. Chennai port
- ✗ C. Mumbai port
- ✓ D. Pandu port

Q.56 **Which of the following best explains the emergence of "megaregions" with extremely high population densities (e.g., Bos Wash, Tokyo-Osaka, Pearl River Delta)?**

Ans
- ✗ A. Megaregions form primarily because of uniform physical geography
- ✓ B. They develop due to integrated economic corridors and high connectivity
- ✗ C. Governments intentionally relocate populations to form megaregions
- ✗ D. They exist because of high natural population growth in these regions

Q.57 **Which highly revered Śvetāmbara Jain text describes the lives of the 24 Tīrthaṅkaras, the lineage of pontiffs, and the monastic rules observed during the Paryuṣaṇa festival?**

Ans
- ✗ A. Kalpa-sutradham
- ✗ B. Kalpa-samant
- ✗ C. Kalpa-yoga
- ✓ D. Kalpa-sutra

Q.58 **What was the primary objective of Pandita Ramabai's work?**

Ans
- ✓ A. Women's education and empowerment
- ✗ B. Promoting traditional religious practices
- ✗ C. Establishing a national army
- ✗ D. Political independence for India

Q.59 Which Indian city hosted the 23rd Asian Oceanian Congress of Radiology (AOCR) 2025?

Ans

✗ A. Jaipur

✗ B. Chandigarh

✓ C. Chennai

✗ D. Hyderabad

Q.60 In which year was the PM Gati Shakti National Master Plan (NMP) launched in India to ensure integrated planning and coordinated execution of infrastructure projects?

Ans

✗ A. 2022

✓ B. 2021

✗ C. 2024

✗ D. 2023

Q.61 Which statement is True or False about System Software?

(i) The Operating System runs in privileged mode, giving it unrestricted access to hardware.
(ii) Core System Software like device drivers is essential for the computer to start and function.

Ans

✗ A. (i) False, (ii) False

✗ B. (i) False, (ii) True

✗ C. (i) True, (ii) False

✓ D. (i) True, (ii) True

Q.62 Which of the following Constitutional Amendments introduced Part IX related to Panchayats in India?

Ans

✗ A. 44th Amendment

✓ B. 73rd Amendment

✗ C. 42nd Amendment

✗ D. 86th Amendment

Q.63 What was the campaign theme of World Mental Health Day 2025 observed on 10 October?

Ans

✗ A. Mental Health at Work

✓ B. Mental Health in Humanitarian Emergencies

✗ C. Make Mental Health & Well-being for All a Global Priority

✗ D. Mental Health is a Universal Human Right

Q.64 Which Constitutional Article established the office of Special Officer for Linguistic Minorities?

Ans

✗ A. Article 348-A

✗ B. Article 315-B

✓ C. Article 350-B

✗ D. Article 338-A

Q.65 In 1309 CE, Malik Kafur invaded which of the following kingdoms in South India?

Ans

✗ A. Hoysala Kingdom

✗ B. Yadava Kingdom

✓ C. Kakatiya Kingdom

✗ D. Pandya Kingdom

Q.66 When Barium Chloride ($BaCl_2$) solution is mixed with Sodium Sulfate (Na_2SO_4) solution, a white product Barium Sulfate ($BaSO_4$) is formed. This product is known as a _____.

Ans
✗ A. Isotope
✗ B. Isomer
✗ C. Emulsion
✓ D. Precipitate

Q.67 As per the RBI's announcement on December 5, 2025, what is the revised GDP growth projection for India for FY 2025–26?

Ans
✗ A. 7%
✗ B. 7.1%
✓ C. 7.3%
✗ D. 7.2%

Q.68 What was Raja Ram Mohan Roy's greatest social achievement?

Ans
✗ A. Abolition of child marriage
✓ B. Abolition of Sati in 1829
✗ C. Promoting English education
✗ D. Founding the Indian National Congress

Q.69 According to the Union Budget 2025-26, what is the total estimated expenditure for the year?

Ans
✗ A. ₹40 lakh crore
✓ B. ₹50.65 lakh crore
✗ C. ₹55 lakh crore
✗ D. ₹45 lakh crore

Q.70 In the context of periodicity, elements in the same group tend to display similar chemical properties. Which primary factor is responsible for this similarity among group members?

Ans
✓ A. Similar valence electronic configuration
✗ B. Identical atomic numbers
✗ C. Similar atomic masses
✗ D. Constant atomic radius

Section : General Intelligence and Reasoning

Q.71 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. BCDF
✓ B. UVWX
✗ C. HIJL
✗ D. OPQS

Q.72 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FJI JNM NRQ RVU ?

Ans
✗ A. VWY
✓ B. VZY
✗ C. VAX
✗ D. VYX

Q.73 In a certain code language, ‘CONE’ is coded as ‘1536’ and ‘NOTE’ is coded as ‘3146’. What is the code for ‘T’ in the given code language?

Ans
- ✗ A. 6
- ✗ B. 1
- ✗ C. 3
- ✓ D. 4

Q.74 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?

43 D 28 C 35 A 7 B 11 = ?

Ans
- ✗ A. 73
- ✗ B. 74
- ✓ C. 70
- ✗ D. 71

Q.75 Seven boxes F,G,H,I,J,K and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between J and G. Only three boxes are kept between J and K. K is kept at some place above G. S is kept immediately below K. F is kept at one of the places above I. H is not kept immediately above or below J. How many boxes are kept between H and J?

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

Q.76 In a certain code language,
A ÷ B means ‘A is the son 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. Brother
- ✗ B. Wife's father
- ✗ C. Father
- ✓ D. Wife's brother

Q.77 Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only two people sit to the right of E. Only two people sit between E and C. Only two people sit between T and S. S sits to the immediate left of E. K sits to the immediate right of R. Who sits at the third position from the left end of the line?

Ans
- ✗ A. S
- ✗ B. E
- ✓ C. I
- ✗ D. K

Q.78 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. YBX
- ✗ B. NQM
- ✓ C. UYT
- ✗ D. JMI

Q.79 What should come in place of the '?' in the given series?

4 12 36 108 ? 972

Ans
- ✔ A. 324
- ✘ B. 323
- ✘ C. 322
- ✘ D. 321

Q.80 The position(s) of how many letters will remain unchanged if each letter in the word DEPARTS is arranged in the English alphabetical order?

Ans
- ✘ A. 0
- ✘ B. 3
- ✔ C. 1
- ✘ D. 2

Q.81 If '+' means '–', '–' means '×', '×' means '÷', and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

54 – 2 ÷ 120 × 2 + 85 = ?

Ans
- ✘ A. 85
- ✔ B. 83
- ✘ C. 86
- ✘ D. 88

Q.82 P is the sister of Q. Q is the brother of S. T is the father of X. X is the son of S. How is X related to P?

Ans
- ✘ A. Brother's son
- ✘ B. Daughter's son
- ✘ C. Son
- ✔ D. Sister's son

Q.83 Seven boxes L, M, N, O, P, Q and R are kept one over the other but not necessarily in the same order. Box Q is kept immediately above N. Exactly two boxes are kept between L and N. L is kept on one of the positions above N. O is placed at the topmost position. Exactly two boxes are kept between M and P. Only one box is kept below P. R is kept on one of the positions below N. How many boxes are kept between Q and R?

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

Q.84 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.)

(27, 12, 322)
(24, 13, 310)

Ans
- ✔ A. (31, 8, 246)
- ✘ B. (29, 10, 292)
- ✘ C. (34, 9, 308)
- ✘ D. (32, 7, 224)

Q.85 **Shreya starts from Point A and drives 22 km towards the north. He then takes a right turn, drives 24 km, turns right and drives 28 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 6 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. 5 km to the east
- ✓ B. 6 km to the east
- ✗ C. 7 km to the west
- ✗ D. 3 km to the east

Q.86 **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 engineers are designers. All designers are creators.
Conclusions:
(I) All creators are engineers.
(II) Some engineers are creators.

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.87 **Each vowel in the word 'SCRAMBLE' is changed to the second letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which letter will appear exactly twice in the group of the letters thus formed?**

Ans
- ✓ A. C
- ✗ B. N
- ✗ C. S
- ✗ D. M

Q.88 **In a certain code language, 'queen dirt world' is coded as 'ya yo mq' and 'world bat law' is coded as 'yo uj zs'. How is 'world' coded in that language? (All codes are two-letter codes.)**

Ans
- ✗ A. mq
- ✓ B. yo
- ✗ C. uj
- ✗ D. ya

Q.89 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

JCT 6 NGQ -7 RKN -20 VOK -33 ?

Ans
- ✗ A. ZXD -44
- ✓ B. ZSH -46
- ✗ C. ZDX -45
- ✗ D. ZCD -54

Q.90 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 cherries are bats.
No bat is an orange.

Conclusions:
(I) No cherry is an orange.
(II) Some oranges are bats.

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

Q.91 Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only two people sit to the right of T. Only two people sit between T and B. Only two people sit between A and Z. Z sits to the immediate left of T. O sits to the immediate right of D. Who sits immediately to the right of J?

Ans
- ✗ A. D
- ✗ B. B
- ✗ C. J
- ✓ D. Z

Q.92 Each of the digits in the number 6534217 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

Ans
- ✗ A. TWO
- ✗ B. NONE
- ✗ C. ONE
- ✓ D. THREE

Q.93 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HM - JR - LW
UL - WQ - YV

Ans
- ✗ A. CF- GK - HP
- ✓ B. CF - EK - GP
- ✗ C. GP - EK - SV
- ✗ D. GP - JK - CE

Q.94 WSPO is related to SPNN in a certain way based on the English alphabetical order. In the same way, TQNL is related to PNLK . To which of the following is MKHI related, following the same logic?

Ans
- ✓ A. IHFH
- ✗ B. TYWD
- ✗ C. IGEF
- ✗ D. IGDE

Q.95 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

FA - HC - JL
ID - KF - MO

Ans
- ✔ A. MH - OJ - QS
- ✘ B. NH - OI - QR
- ✘ C. NH - OJ - QR
- ✘ D. MH - OJ - QR

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. KP – GL
- ✘ B. ZW – VS
- ✘ C. ME – IA
- ✔ D. RF – NC

Q.97 What should come in place of '?' in the given series?
871 791 721 661 611 ?

Ans
- ✔ A. 571
- ✘ B. 501
- ✘ C. 523
- ✘ D. 539

Q.98 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 5 3 5 1 5 4 1 2 9 1 1 7 4 8 7 6 6 8 1 5 6 4 1 1 6 6 4 (Right)
How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans
- ✘ A. 5
- ✘ B. 3
- ✘ C. 6
- ✔ D. 4

Q.99 All 193 people are standing in a row facing north. Ccd is 14th from the right end while Vks is 124th from the left end. How many people are there between Ccd and Vks?

Ans
- ✘ A. 52
- ✔ B. 55
- ✘ C. 54
- ✘ D. 53

Q.100 What should come in place of ? in the given series based on the English alphabetical order?
QMO NJL KGI HDF ?

Ans
- ✘ A. EZB
- ✔ B. EAC
- ✘ C. EBB
- ✘ D. EFH

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