



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



RRB GROUP D 2024

Level-1 | CEN 08/2024

ENGLISH ANSWER KEY

Official Answer Key with Solutions

All 101 Shifts · 27-11-2025 to 10-02-2026

Questions	100
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	Science 25 · Maths 25 · Reasoning 30 · GA 20

Every paper here is the official RRB response sheet with the correct answer marked.

HOW TO USE THIS BOOK

- 1 Open the INDEX on the next page.
- 2 Click any row to jump straight to that date and shift.
- 3 Correct options are ticked in green, wrong ones crossed in red.
- 4 Use the bookmarks panel of your PDF reader to move between shifts.

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Compiled 10 September 2026

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RRB Group D 2024 (English) · 101 shifts

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सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Metro Network Solutions
Test Date	27/11/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The functional group which does NOT contain oxygen hetero atom is:

- Ans ☒ A. alcohol
☒ B. halo alkane
☒ C. carboxylic acid
☒ D. ketone

Q.2 The frequency of a sound wave is 50 Hz. How much time will it take to complete one wave?

- Ans ☒ A. 50 s
☒ B. 0.2 s
☒ C. 0.02 s
☒ D. 5 s

Q.3 What happens when a zinc rod is placed in aqueous copper sulphate solution?

- Ans ☒ A. The temperature of the solution falls.
☒ B. Heat is required to start the reaction.
☒ C. No chemical change observed.
☒ D. The blue colour of the copper sulphate solution fades.

Q.4 When water and nutrients are available, algae grow and multiply rapidly by the process of _____.

- Ans ☒ A. pollination
☒ B. fragmentation
☒ C. budding
☒ D. spore formation

Q.5 Which of the following statements is correct?

- Ans ☒ A. Work done can only be negative.
☒ B. Work done does not depend on force or displacement.
☒ C. Work done can only be positive.
☒ D. Work done can be positive or negative depending on the direction of force.

Q.6 Which of the following life processes is important to bring variation in species?

- Ans
- ☐ A. Transportation
 - ☐ B. Heterotrophic nutrition
 - ☐ C. Autotrophic nutrition
 - ☒ D. Sexual reproduction

Q.7 During reproduction, why is it important to create DNA copies?

- Ans
- ☐ A. For respiration
 - ☐ B. For blood circulation
 - ☒ C. For inheritance of traits
 - ☐ D. For digestion

Q.8 A coil has a resistance of 44 Ω . If it is connected across a 220 V supply, what is the power consumed by the coil?

- Ans
- ☒ A. 1100 W
 - ☐ B. 5 W
 - ☐ C. 110 W
 - ☐ D. 0.2 W

Q.9 Which of the following describes an example of uniform circular motion?

- Ans
- ☐ A. A train moving on its track
 - ☐ B. A ball thrown vertically upwards
 - ☐ C. A car accelerating on its way
 - ☒ D. A fan blade rotating at constant speed

Q.10 What is the main role of micelles in the cleansing action of soap?

- Ans
- ☐ A. To increase the surface tension of water
 - ☐ B. To produce lather with water
 - ☐ C. To reduce the hardness of water
 - ☒ D. To trap and remove oil and dirt from clothes

Q.11 A body is dropped from a height. If it falls for 3.0 s and $g = 10 \text{ m/s}^2$, its final velocity (v) is _____.

- Ans
- ☐ A. 10 m/s
 - ☐ B. 20 m/s
 - ☐ C. 40 m/s
 - ☒ D. 30 m/s

Q.12 Which of the following statements best explains the Law of Constant Proportions?

- Ans
- ☒ A. A chemical compound always contains the same elements in the same proportion by mass.
 - ☐ B. Elements are always found in random ratios in a compound.
 - ☐ C. Mass can neither be created nor destroyed in a chemical reaction.
 - ☐ D. Atoms can be divided into smaller particles during a reaction.

Q.13 Asthma primarily affects which part of the respiratory system?

- Ans
- ☐ A. Alveoli
 - ☒ B. Bronchi and bronchioles
 - ☐ C. Diaphragm
 - ☐ D. Trachea

Q.14 What happens when a naphthalene ball is burnt in a metal plate in open space?

- Ans**
- ☐ A. It burns with a blue flame with black soot deposited on the metal plate.
 - ☐ B. It burns with yellow flame with no deposit on the metal plate.
 - ☒ C. It burns with a yellow flame with black soot deposited on the metal plate.
 - ☐ D. It burns with a blue flame.

Q.15 When a thick glass slab is placed over printed matter, the letters appear raised. This is due to _____.

- Ans**
- ☐ A. Polarization of light
 - ☐ B. Total internal reflection
 - ☐ C. Scattering of light
 - ☒ D. Refraction of light

Q.16 The motion of a satellite orbiting the Earth in a circular path at constant speed is a classic example of uniform circular motion. What property of this motion prevents its acceleration from being zero?

- Ans**
- ☐ A. The total mechanical energy is conserved, necessitating acceleration.
 - ☒ B. The direction of motion changes continuously at every point, meaning the velocity is changing.
 - ☐ C. The speed is too high for the gravitational force to sustain a constant velocity.
 - ☐ D. The object's mass continually changes due to orbital dynamics.

Q.17 Which of the following is NOT used for expressing the concentration of a solution?

- Ans**
- ☒ A. Volume by Mass percentage of a solution
 - ☐ B. Volume by Volume percentage of a solution
 - ☐ C. Mass by mass percentage of a solution
 - ☐ D. Mass by volume percentage of a solution

Q.18 Which of the following plant tissue performs photosynthesis?

- Ans**
- ☐ A. Sclerenchyma
 - ☒ B. Chlorenchyma
 - ☐ C. Xylem
 - ☐ D. Phloem

Q.19 Which poultry are birds farmed to produce eggs?

- Ans**
- ☐ A. Milch
 - ☒ B. Layers
 - ☐ C. Broilers
 - ☐ D. Common carp

Q.20 The fractional atomic mass of chlorine is due to which of the following?

- Ans**
- ☐ A. Presence of ions
 - ☐ B. Its compound nature
 - ☒ C. Presence of isotopes
 - ☐ D. Experimental error

Q.21 Through which method of cell division are the diploid chromosomes divided into haploid gametes?

- Ans**
- ☐ A. Mitosis
 - ☐ B. Binary Fission
 - ☐ C. Amitosis
 - ☒ D. Meiosis

Q.22 Which of the following metals is extracted in the middle of the activity series?

- Ans**
- ☐ A. Sodium
 - ☐ B. Potassium
 - ☒ C. Iron
 - ☐ D. Gold

Q.23 Statement 1: The potential difference is measured in volts.
Statement 2: One volt is equal to one newton per coulomb.
Which of the following is true?

- Ans**
- ☐ A. Both Statements 1 and 2 are correct.
 - ☒ B. Only Statement 1 is correct.
 - ☐ C. Both Statements 1 and 2 are incorrect.
 - ☐ D. Only Statement 2 is correct.

Q.24 The power of a lens is defined as:

- Ans**
- ☒ A. The reciprocal of its focal length in meters
 - ☐ B. The square of its focal length
 - ☐ C. The ratio of image distance to object distance
 - ☐ D. The product of its focal length and refractive index

Q.25 Which of the following options best describes the term Culture Fishery?

- Ans**
- ☐ A. Capturing fishes from artificial resources
 - ☐ B. Catching fishes from marine water
 - ☒ C. Farming of the fishes
 - ☐ D. Capturing fishes from natural resources

Section : Mathematics

Q.26 Two numbers have an HCF of 18 and an LCM of 1512. If one of the numbers is 126, find the positive difference between these number.

- Ans**
- ☐ A. 216
 - ☒ B. 90
 - ☐ C. 126
 - ☐ D. 256

Q.27 Two-fifth of a container is filled with blue liquid, one-third of the remaining container is filled with black liquid, five-sixth of the still remaining container is filled with yellow liquid and the remaining 4.2 litres is of white colour. Find the total capacity of the container.

- Ans**
- ☐ A. 72 litres
 - ☐ B. 60 litres
 - ☒ C. 63 litres
 - ☐ D. 78 litres

Q.28 The average age of 26 students of a class is 26 years. If the age of the teacher is also included, the average age of the whole group becomes 27 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 54
 - ☐ B. 50
 - ☒ C. 53
 - ☐ D. 57

Q.29 If $\Delta \times 2.2 + 0.33 \times \frac{3}{4} - \frac{1}{20} \times 0.55 = 0.99$, then the value of Δ is:

- Ans ☐ A. 1
☒ B. 0.35
☐ C. 0.25
☐ D. 0

Q.30 Smriti goes to a shopping mall at a speed of 21 km/hr and returns at a speed of 69 km/hr. Find her average speed (in km/hr) for the entire trip.

- Ans ☐ A. 40.2
☒ B. 32.2
☐ C. 30.3
☐ D. 23.4

Q.31 The total surface area of a solid right circular cylinder is 542 cm^2 . Its curved surface area is two-fifth of its total surface area. Find the curved surface area of the cylinder.

- Ans ☐ A. 315.4 cm^2
☐ B. 513.2 cm^2
☒ C. 216.8 cm^2
☐ D. 212.5 cm^2

Q.32 Three pipes, A, B and C, can fill a tank from empty to full in 40 minutes, 20 minutes and 30 minutes, respectively. When the tank is empty, all the three pipes are opened. A, B and C discharge chemical solutions P, Q and R, respectively. What is the proportion of solution Q in the liquid in the tank after 9 minutes?

- Ans ☒ A. $\frac{6}{13}$
☐ B. $\frac{3}{13}$
☐ C. $\frac{3}{4}$
☐ D. $\frac{7}{13}$

Q.33 A scheme like 'Buy 6, Get 4 Free' on the same kind of articles with the same MRP attracts a ____ % discount.

- Ans ☐ A. 41
☒ B. 40
☐ C. 66.67
☐ D. 67.67

Q.34 If $p = 6$, $q = -3$, then the value of $p^3 - 3p^2 + 3p + 3q + 3q^2 + q^3$ is:

- Ans ☐ A. 61
☐ B. -61
☒ C. 117
☐ D. -117

Q.35 The vertices of a convex pentagon (in order) are P(0,0), Q(6,0), R(8,3), S(4,7), T(0,4). Find the area of the pentagon.

- Ans**
- ☐ A. 45 sq. units
 - ☐ B. 36 sq. units
 - ☒ C. 39 sq. units
 - ☐ D. 42 sq. units

Q.36 Soniya got married 15 years ago. Her present age is $\frac{8}{5}$ times her age at the time of her marriage. Her sister was 8 years younger to her at the time of her marriage. Find the present age of her sister.

- Ans**
- ☒ A. 32 years
 - ☐ B. 24 years
 - ☐ C. 28 years
 - ☐ D. 40 years

Q.37 Which of the following ratios is equivalent to 3 : 2?

- Ans**
- ☐ A. 51 : 37
 - ☐ B. 52 : 34
 - ☒ C. 54 : 36
 - ☐ D. 53 : 38

Q.38 $\frac{1}{20}$ is what percentage of $\frac{10}{40}$?

- Ans**
- ☒ A. 20%
 - ☐ B. 40%
 - ☐ C. 30%
 - ☐ D. 35%

Q.39 A metal rod is divided into three parts, A, B and C. The lengths of A and B are in the ratio 9 : 20, and the lengths of C and B are in the ratio 5 : 11. If the difference between the lengths of A and C is 10 cm, find the total length (in cm) of the metal rod.

- Ans**
- ☐ A. 4202
 - ☒ B. 4190
 - ☐ C. 4199
 - ☐ D. 4180

Q.40 A fruit vendor bought 150 mangoes. He sold them at such a price that the selling price of 120 mangoes equals the cost price of 150 mangoes. Find his profit percentage.

- Ans**
- ☐ A. 35%
 - ☐ B. 20%
 - ☒ C. 25%
 - ☐ D. 30%

Q.41 A and B working together can do a piece of work in 6 days. B alone can do the same work in 12 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☐ A. 12
 - ☐ B. 27
 - ☐ C. 25
 - ☒ D. 24

Q.42 Simplify
$$\frac{[3\frac{1}{4} \div \{1\frac{1}{4} - 0.5(2\frac{1}{2} - \frac{1}{12})\}]}{5 \times \frac{1}{15}}.$$

- Ans ☒ A. 434
☒ B. 234
☒ C. 134
☒ D. 334

Q.43 An article was bought for ₹8,900. Its price was marked up by 40%. Thereafter, it was sold at a discount of 5% on the marked price. What was the profit percentage on the transaction?

- Ans ☒ A. 35%
☒ B. 32%
☒ C. 33%
☒ D. 34%

Q.44 P is any point inside the rectangle ABCD. If PA = 98 cm, PB = 91 cm and PC = 21 cm, then the length of PD (in cm) is equal to:

- Ans ☒ A. 42
☒ B. 38
☒ C. 41
☒ D. 46

Q.45 In statistics out of 100, the marks of 21 students in final exams are as 90, 95, 95, 94, 90, 85, 84, 83, 85, 81, 92, 93, 82, 78, 79, 81, 80, 82, 85, 76, 85, then the mode of data is:

- Ans ☒ A. 87
☒ B. 85
☒ C. 84
☒ D. 83

Q.46 A 325 m long train overtakes a man moving at a speed of 5 km/hr (in the same direction) in 45 seconds. How much time (in seconds) will it take this train to completely cross another 440 m long train, moving in the opposite direction at a speed of 20 km/hr?

- Ans ☒ A. 54
☒ B. 40
☒ C. 51
☒ D. 52

Q.47 If $\tan\theta = \frac{12}{5}$, what is the value of $\sec\theta$?

- Ans ☒ A. $\frac{12}{5}$
☒ B. $\frac{13}{12}$
☒ C. $\frac{5}{13}$
☒ D. $\frac{13}{5}$

Q.48 The amount on a sum of ₹6,800 at 15% per annum compound interest, compounded annually, in 2 years' time, will be:

- Ans** ☒ A. ₹8,993
☐ B. ₹9,393
☐ C. ₹8,641
☐ D. ₹7,996

Q.49 If 20% of a number is added to 90, then the result is the same number. 80% of the same number is:

- Ans** ☐ A. 100
☒ B. 90
☐ C. 110
☐ D. 120

Q.50 The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 52% and that of the TV decreases by 76%, then what is the percentage change in the total cost of 5 washing machines and 2 TVs?

- Ans** ☐ A. Decrease by 3%
☒ B. Increase by 0.8%
☐ C. Increase by 5%
☐ D. Decrease by 2%

Section : General Intelligence and Reasoning

Q.51 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit to the right of A. Only five people sit to the left of B. F is the immediate neighbour of G and E. C sits second to the left of E. How many people sit to the left of G?

- Ans** ☐ A. Two
☐ B. Three
☐ C. One
☒ D. Four

Q.52 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. LPJ
☐ B. GKE
☐ C. NRL
☒ D. OSN

Q.53 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$173 - 3 \div 282 + 164 \times 4 = ?$$

- Ans** ☒ A. 760
☐ B. 766
☐ C. 769
☐ D. 761

Q.54 Ajay starts from Point A and drives 16 km towards the west. He then takes a right turn, drives 8 km, then turns left and drives 7 km. He then takes a left turn and drives 8 km. He takes a final right turn, drives 2 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-degrees turns only, unless specified.)

- Ans** ☒ A. 25 km towards east
☐ B. 16 km towards east
☐ C. 7 km towards north
☐ D. 11 km towards west

Q.55 What should come in place of the question mark (?) in the given series, based on the English alphabetical order?

RJV QIU PHT OGS ?

- Ans** ☐ A. PFR
☒ B. NFR
☐ C. NHT
☐ D. PHT

Q.56 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 \$ 3 Ω 9 % 4 6 7 1 * £ 5 # 2 + @ & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

- Ans** ☒ A. 2
☐ B. 1
☐ C. 3
☐ D. 4

Q.57 What should come in place of the question mark (?) in the given series?

61 85 109 133 157 ?

- Ans** ☐ A. 179
☐ B. 183
☒ C. 181
☐ D. 185

Q.58 Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. Only two people sit to the right of C. Only two people sit between C and B. Only two people sit between D and K. Only three people sit between C and D. J sits to the immediate right of I. How many people sit(s) to the right of L?

- Ans** ☐ A. One
☐ B. Three
☒ C. Four
☐ D. Two

Q.59 In a certain code language, 'house sip head' is coded as 'bm ma px' and 'head wood robot' is coded as 'pz bm ey'. How is 'head' coded in the given language?

- Ans** ☐ A. ma
☐ B. pz
☒ C. bm
☐ D. px

Q.60 UI 12 is related to YK -2 in a certain way. In the same way, OL 9 is related to SN -5. To which of the following is PQ 15 related, following the same logic?

- Ans**
- ☐ A. ST 3
 - ☐ B. TT 3
 - ☐ C. SS 1
 - ☒ D. TS 1

Q.61 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 5 8 8 5 4 7 7 4 2 7 9 2 2 5 7 4 8 8 2 1 8 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Two
 - ☒ B. None
 - ☐ C. Three
 - ☐ D. One

Q.62 What should come in place of the question mark (?) in the given series?

616 610 612 606 608 ?

- Ans**
- ☐ A. 603
 - ☐ B. 604
 - ☐ C. 601
 - ☒ D. 602

Q.63 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

15 A 3 B 10 C 8 D 12 = ?

- Ans**
- ☒ A. 46
 - ☐ B. 47
 - ☐ C. 44
 - ☐ D. 45

Q.64 Refer to the following number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 2 8 2 3 2 7 9 3 5 4 6 8 9 4 4 7 8 7 5 4 3 5 5 6 2 9 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 5
 - ☒ B. 3
 - ☐ C. 6
 - ☐ D. 4

Q.65 O, P, Q, R, W, X and Y are sitting in a straight line, facing north.
Only two people sit to the left of P. Only three people sit between P and W. Only one person sits between W and X. R sits to the immediate left of O. Y is not an immediate neighbour of W.
How many people sit to the right of Q?

- Ans** ☒ A. Four
☒ B. One
☒ C. Three
☒ D. Two

Q.66 Radhika ranked 21st from the top and 7th from the bottom in her class. How many students are there in the class?

- Ans** ☒ A. 20
☒ B. 27
☒ C. 19
☒ D. 28

Q.67 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$84 - 6 \div 371 + 648 \times 8 = ?$$

- Ans** ☒ A. 799
☒ B. 794
☒ C. 797
☒ D. 795

Q.68 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

URIC - CRUI - RIUC
KIDS - SIKD - IDKS

- Ans** ☒ A. NAVY - YANV - VANY
☒ B. MALE - AMLE - EALM
☒ C. OPEN - OEPN - NEPO
☒ D. FADE - EAFD - ADFE

Q.69 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. IHF
☒ B. NMK
☒ C. UTR
☒ D. ZZW

Q.70 RR 4 is related to UQ -14 in a certain way. In the same way, II 8 is related to LH -10. To which of the given options is MO 12 related, following the same logic?

- Ans** ☒ A. NH 9
☒ B. GT -2
☒ C. HY -5
☒ D. PN -6

Q.71 Refer to the following number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 6 5 8 2 2 1 8 2 9 8 4 7 4 8 2 4 3 1 4 1 2 7 2 6 (Right)

How many such numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by a perfect square?
(Note: 1 is also a perfect square.)

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.72 What should come in place of the question mark (?) in the given series?

991 989 985 979 971 ?

- Ans**
- ☒ A. 969
 - ☒ B. 961
 - ☒ C. 963
 - ☒ D. 967

Q.73 Alex starts from Point A and drives 8 km towards the east. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 9 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 degrees turns only, unless specified.)

- Ans**
- ☒ A. 8 km to the south
 - ☒ B. 8 km to the north
 - ☒ C. 7 km to the south
 - ☒ D. 7 km to the north

Q.74 In a certain code language, 'OVAL' is coded as '5294' and 'LOVE' is coded as '8549'. What is the code for 'E' in the given code language?

- Ans**
- ☒ A. 8
 - ☒ B. 4
 - ☒ C. 9
 - ☒ D. 5

Q.75 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O + P # T @ G - V'?

- Ans**
- ☒ A. Wife's father's mother
 - ☒ B. Wife's mother
 - ☒ C. Wife's father's sister
 - ☒ D. Wife's sister

Q.76 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 its 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.)

(14 , 42, 3)

(12, 60, 5)

- Ans**
- ☐ A. (11, 55, 6)
 - ☐ B. (16, 42, 2)
 - ☐ C. (15, 45, 4)
 - ☒ D. (13 , 39 , 3)

Q.77 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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:

Some pizzas are cupcakes.

All buns are cupcakes.

Conclusions:

(I) Some pizzas are buns.

(II) All cupcakes are buns.

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

Q.78 Madhur ranked 58th from the top and 6th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 64
 - ☒ B. 63
 - ☐ C. 62
 - ☐ D. 61

Q.79 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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:

Some hats are caps.

No cap is a vest.

Conclusions:

(I) Some hats are vests.

(II) Some caps are hats.

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

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
HBE22 ICF29 JDG36 KEH43 ?

- Ans**
- ☐ A. LFJ51
 - ☒ B. LFI50
 - ☐ C. LFI51
 - ☐ D. LFJ50

Section : General Awareness and Current Affairs

Q.81 As announced by the Government of India, as on 7 July 2025, how many biotech startups does India have, compared to just 50 a decade ago?

- Ans**
- ☐ A. 7000
 - ☒ B. Nearly 11,000
 - ☐ C. 8050
 - ☐ D. Nearly 9000

Q.82 As reported in May 2025, the study by Climate Trends, a Delhi-based research consultancy, examined NASA satellite data of the Himalayan glaciers from 2000-2023 to evaluate the impact of which of the following on Himalayan snow?

- Ans**
- ☐ A. Sulfate Aerosols
 - ☒ B. Black Carbon
 - ☐ C. Ozone
 - ☐ D. Mineral Dust Particles

Q.83 On 24 May 2025, the order of which High Court was overturned by the Supreme Court and ruled that denying maternity leave for a third child violates a woman's constitutional right, reinforcing her dignity and reproductive freedom?

- Ans**
- ☐ A. Bombay High Court
 - ☒ B. Madras High Court
 - ☐ C. Hyderabad High Court
 - ☐ D. Allahabad High Court

Q.84 Who authored the book 'Test Cricket: A History', released in 2025?

- Ans**
- ☐ A. Ramachandra Guha
 - ☐ B. Gideon Haigh
 - ☐ C. Michael Atherton
 - ☒ D. Tim Wigmore

Q.85 India set a new Guinness World Record in 2025 for the largest human formation of which of the following symbols?

- Ans**
- ☐ A. Heart shape
 - ☐ B. Peace symbol
 - ☒ C. Ashoka Chakra
 - ☐ D. Olympic rings

Q.86 Which sport had the most Arjuna Award recipients in January 2025?

- Ans**
- ☐ A. Athletics
 - ☐ B. Shooting
 - ☐ C. Hockey
 - ☒ D. Para-Athletics

Q.87 Where did the chemical factory blast occur on 30 June 2025?

- Ans**
- ☐ A. Nizamabad
 - ☐ B. Warangal
 - ☒ C. Sangareddy
 - ☐ D. Vijayawada

Q.88 Which chess player, besides Gukesh, received the Arjuna Award in 2025?

- Ans**
- ☒ A. Vantika Agrawal
 - ☐ B. Harika Dronavalli
 - ☐ C. Koneru Humpy
 - ☐ D. Pentala Harikrishna

Q.89 The National Conference on Good Governance, organised by the Department of Administrative Reforms and Public Grievances (DARPG) was held in which of the following places in January 2025?

- Ans**
- ☒ A. Gandhinagar
 - ☐ B. Varanasi
 - ☐ C. Jaipur
 - ☐ D. Bhopal

Q.90 Which state became the third Indian state to be recognised as fully functionally literate, under the ULLAS – New India Literacy Programme, in June 2025?

- Ans**
- ☐ A. Karnataka
 - ☒ B. Tripura
 - ☐ C. Assam
 - ☐ D. Telangana

Q.91 What was the theme of the 78th World Health Assembly, 2025, held in Geneva in May 2025?

- Ans**
- ☐ A. Health for All: Building Resilient Systems
 - ☐ B. Advancing Equity in Global Health
 - ☐ C. Universal Health Coverage: A Global Need
 - ☒ D. One World for Health

Q.92 In 2025, which city in Maharashtra has achieved 100% segregation, collection and processing of sanitary and biomedical waste, handling an average of 300 to 350 kg of sanitary waste daily?

- Ans**
- ☐ A. Nagpur
 - ☐ B. Nasik
 - ☐ C. Pune
 - ☒ D. Karad

Q.93 Which of the following new digital facilities was launched in May 2025 by the Union Ministry of Social Justice and Empowerment during the 'Ageing with Dignity' event?

- Ans**
- ☐ A. Digital Life Certificate Platform
 - ☒ B. Senior Citizens Welfare Portal
 - ☐ C. Employment Exchange Portal for Senior Citizens
 - ☐ D. One-Stop Senior Citizens Services Portal

Q.94 Which of the following documentaries did the Reserve Bank of India (RBI) launch to explain its functions to the public in June 2025?

- Ans**
- ☐ A. My RBI Story
 - ☐ B. RBI: Money Simplified
 - ☒ C. RBI Unlocked: Beyond the Rupee
 - ☐ D. Financial Literacy A2Z

Q.95 India won the ICC Women's U19 T20 World Cup 2025 by defeating which country in the final?

- Ans**
- ☐ A. Australia
 - ☒ B. South Africa
 - ☐ C. Sri Lanka
 - ☐ D. England

Q.96 Which startup was selected in April 2025 to build India's first sovereign Indic LLM under the IndiaAI Mission?

- Ans**
- ☐ A. People+AI
 - ☐ B. AI4 Bharat
 - ☒ C. Sarvam AI
 - ☐ D. Wadhvani AI

Q.97 On 16 May 2025, the Supreme Court invalidated the Indian Government's orders passed in which years, allowing ex-post facto environmental clearances?

- Ans**
- ☒ A. 2017 and 2021
 - ☐ B. 2009 and 2015
 - ☐ C. 2006 and 2011
 - ☐ D. 2012 and 2014

Q.98 Which of the following shifted its Andhra Pradesh regional office to Vijayawada, inaugurating the new premises on 16 June 2025?

- Ans**
- ☐ A. Life Insurance Corporation of India
 - ☐ B. Bank of Baroda
 - ☐ C. Securities and Exchange Board of India
 - ☒ D. Reserve Bank of India

Q.99 Which Indian Ministry launched the Bharat Forecasting System (BFS) on 26 May 2025 to provide weather predictions with a 6-km resolution?

- Ans**
- ☐ A. Ministry of Defence
 - ☒ B. Ministry of Earth Sciences
 - ☐ C. Ministry of Environment, Forest and Climate Change
 - ☐ D. Ministry of Agriculture and Farmers Welfare

Q.100 Which of the following awards recognises children's book writers from 22 languages?

- Ans**
- ☐ A. Bal Sahitya Puraskar
 - ☐ B. Padma Shri
 - ☐ C. Sahitya Ratna
 - ☒ D. Sahitya Akademi Yuva Puraskar



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Sheela Nagar
Test Date	27/11/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is a result of increasing the pressure on a gas?

- Ans
- ☒ A. Increase in kinetic energy
 - ☒ B. Decrease in inter-particle space
 - ☒ C. Evaporation of the gas
 - ☒ D. Increase in inter-particle space

Q.2 Which of the following methods is part of the fresh initiatives in irrigation to improve water availability for crops?

- Ans
- ☒ A. Drip irrigation and crop rotation
 - ☒ B. Sprinkler irrigation and ploughing
 - ☒ C. Manuring and chemical spraying
 - ☒ D. Rainwater harvesting and watershed management

Q.3 An object is dropped from a height of 78.4 m. What is the time taken to reach the ground? (Use $g = 9.8 \text{ m/s}^2$)

- Ans
- ☒ A. 5 s
 - ☒ B. 2 s
 - ☒ C. 6 s
 - ☒ D. 4 s

Q.4 Concentrated sulphuric acid can be regarded as a dehydrating agent because it removes water from which of the following?

- Ans
- ☒ A. Glucose
 - ☒ B. Propane
 - ☒ C. Ammonia gas
 - ☒ D. Sodium hydroxide

Q.5 Which one of the following correctly represents Mendel's conclusion about inheritance?

- Ans
- ☒ A. Each traits is controlled by one factor.
 - ☒ B. Each trait is controlled by three genes.
 - ☒ C. Each trait is controlled by two factors.
 - ☒ D. Each trait is controlled by one chromosome.

Q.6 A heavy wooden block is pushed across a rough floor. The applied force is gradually increased:
At first, the block does not move.
Then, at a certain force, the block just begins to slide.
Finally, when the block is sliding, it moves with constant velocity.

Which of the following correctly describes the force situation in these three stages?

- Ans**
- ☐ A. Stage 1 – Balanced, Stage 2 – Balanced, Stage 3 – Unbalanced
 - ☐ B. Stage 1 – Unbalanced, Stage 2 – Balanced, Stage 3 – Balanced
 - ☒ C. Stage 1 – Balanced, Stage 2 – Unbalanced, Stage 3 – Balanced
 - ☐ D. Stage 1 – Unbalanced, Stage 2 – Unbalanced, Stage 3 – Balanced

Q.7 The increase in which of the following factor(s) will increase the resistance of a conductor?

- (i) Temperature of the conductor
- (ii) Length of the conductor
- (iii) Area of cross-section of the conductor

- Ans**
- ☐ A. Only (i)
 - ☐ B. Only (iii)
 - ☐ C. Both (ii) and (iii)
 - ☒ D. Both (i) and (ii)

Q.8 Why does a cricket player lower his hands while catching a fast-moving ball?

- Ans**
- ☐ A. To increase the force acting on the ball
 - ☐ B. To increase the acceleration of the ball
 - ☐ C. To reduce the momentum of the ball
 - ☒ D. To increase the time of impact so that the force on the hands is reduced

Q.9 Which of the following is NOT an application of ultrasound?

- Ans**
- ☒ A. Regular hearing tests
 - ☐ B. Detecting cracks in metal blocks
 - ☐ C. Medical imaging
 - ☐ D. Cleaning the objects

Q.10 The processes used for removing the gangue from the ore are based on the differences between which properties of the gangue and the ore?

- Ans**
- ☐ A. Only physical
 - ☐ B. Only chemical
 - ☒ C. Chemical or physical
 - ☐ D. Refractive index

Q.11 A convex lens is also called a converging lens because:

- Ans**
- ☐ A. it always forms virtual images
 - ☐ B. it diverges rays of light away from each other
 - ☒ C. it brings parallel rays to a focus at a point
 - ☐ D. it does not bend light rays at all

Q.12 Which of the following correctly matches a measurable property of matter with its SI unit?

- Ans**
- ☐ A. Pressure – Newton
 - ☒ B. Density – Kilogram per cubic metre
 - ☐ C. Volume – Cubic centimetre
 - ☐ D. Temperature – Calorie

Q.13 Which structure is used by pea plant to climb up other plants?

- Ans ☒ A. Tendrils
☐ B. Runner
☐ C. Shoot
☐ D. Sucker

Q.14 What is common between the reaction of metal sodium carbonate and sodium bicarbonate with hydrochloric acid?

- Ans ☐ A. Hydrogen carbonate is formed
☐ B. Hydrogen gas is released
☐ C. Carbon monoxide is released
☒ D. Sodium chloride is formed

Q.15 ${}^{40}_{18}\text{Ar}$ and ${}^{40}_{20}\text{Ca}$ are a pair of:

- Ans ☐ A. isotones
☐ B. isoelectronic
☒ C. isobars
☐ D. isotopes

Q.16 The characteristic feature(s) of carbon, that lead to the formation of its large number of organic compounds is:

- Ans ☒ A. both tetravalency and catenation
☐ B. solubility
☐ C. only catenation
☐ D. only tetravalency

Q.17 Select the correct feature about sexual reproduction in organisms.

- Ans ☒ A. It combines the DNA of two parents in the offspring.
☐ B. It produces a large number of offspring.
☐ C. It produces offspring exactly similar to the parent(s).
☐ D. It passes the DNA of only one parent to the offspring.

Q.18 In the connective tissues of animals, the fat cells are arranged into lobules, which are separated by partitions of:

- Ans ☒ A. collagen and elastin fibres
☐ B. reticular fibres and plasma
☐ C. skeletal fibres and tendons
☐ D. yellow fibres and lymph

Q.19 The splitting of a unicellular organism into two equal daughter cells containing identical genetic material is termed as which of the following?

- Ans ☐ A. Budding
☒ B. Binary fission
☐ C. Spore formation
☐ D. Conjugation

Q.20 According to the New Cartesian Sign Convention, if a light ray travels from the object to the lens, the object is always placed such that:

- Ans ☐ A. The object distance (u) is always positive
☐ B. The light falls on the lens from the right-hand side
☒ C. The object is placed to the left of the lens
☐ D. The object is always placed above the principal axis

Q.21 What is the location of the cell wall in an organism?

- Ans**
- ☐ A. Just outside the plasma membrane in an animal cell
 - ☐ B. Just inside the plasma membrane in an animal cell
 - ☐ C. Just inside the plasma membrane in a plant cell
 - ☒ D. Just outside the plasma membrane in a plant cell

Q.22 An uprooted plant was left in the sun. After a few hours, the plant looked wilted and weak. What could be the most likely reason?

- Ans**
- ☒ A. Water conduction through xylem was blocked
 - ☐ B. Water conduction through xylem was started
 - ☐ C. Food translocation through phloem began
 - ☐ D. Food translocation through xylem was blocked

Q.23 Which of the following is the best example of conversion of chemical energy into heat energy?

- Ans**
- ☒ A. Burning of wood
 - ☐ B. A motor running on electricity
 - ☐ C. Solar cooker heating food
 - ☐ D. A battery lighting a bulb

Q.24 Corrosion of metals is a process in which:

- Ans**
- ☐ A. metals gain weight due to reaction with acids
 - ☐ B. metals change their colour permanently
 - ☒ C. metals are converted to their oxide, sulphide or carbonate by reaction with environmental agents
 - ☐ D. metals melt at low temperature

Q.25 If the length of a wire is doubled and its cross-sectional area is halved, its resistance will become:

- Ans**
- ☐ A. One-fourth the original
 - ☐ B. Twice the original
 - ☐ C. Half the original
 - ☒ D. Four times the original

Section : Mathematics

Q.26 A person saves 60% of his income. If his expenditure is ₹400, then his income (in ₹) is:

- Ans**
- ☒ A. 1,000
 - ☐ B. 1,040
 - ☐ C. 160
 - ☐ D. 240

Q.27 The cost of a washing machine is 10% less than the cost of a TV. If the cost of the washing machine increases by 65% and that of the TV decreases by 34%, then what is the percentage change in the total cost of 5 washing machines and 3 TVs?

- Ans**
- ☐ A. Decrease by 19%
 - ☐ B. Decrease by 18%
 - ☒ C. Increase by 25.4%
 - ☐ D. Increase by 24%

Q.28 If $\tan A = 1$, then find the value of $\sin A + \cos A$.

- Ans
- ☐ A. $\sqrt{3}$
 - ☒ B. $\sqrt{2}$
 - ☐ C. 2
 - ☐ D. 1

Q.29 Amit and Deeksha together invested ₹15,700 in a business. At the end of the year, out of a total profit of ₹6,000, Amit's share was ₹2,100. How much was Amit's investment?

- Ans
- ☐ A. ₹6,330
 - ☒ B. ₹5,495
 - ☐ C. ₹6,960
 - ☐ D. ₹6,545

Q.30 The arithmetic mean of the observations 76, 28, 79, 17, 33, 95, 83, 30 and 27 is:

- Ans
- ☒ A. 52
 - ☐ B. 61
 - ☐ C. 47
 - ☐ D. 46

Q.31 A shopkeeper marks the price of an article at ₹5,670. Find the cost price if after allowing a discount of 28% he still gains 26% on the cost price.

- Ans
- ☐ A. ₹3,153
 - ☐ B. ₹3,216
 - ☐ C. ₹3,225
 - ☒ D. ₹3,240

Q.32 A shopkeeper sold an article for ₹85.50 at a profit of 12.5%. Had he sold it for ₹81.70, then what would be his profit or loss percentage?

- Ans
- ☐ A. 8.5% loss
 - ☐ B. 8.5% profit
 - ☐ C. 7.25% loss
 - ☒ D. 7.5% profit

Q.33 A brother is 6 years older than his sister. The sum of their present ages is 38 years. What will be the age (in years) of the sister after 15 years from now?

- Ans
- ☐ A. 32
 - ☐ B. 30
 - ☐ C. 33
 - ☒ D. 31

Q.34 If an item marked at ₹3,650 is sold for ₹730, what is the discount percentage?

- Ans
- ☒ A. 80%
 - ☐ B. 79%
 - ☐ C. 82%
 - ☐ D. 78%

Q.35 The cost of fencing a square field at ₹15/m is ₹18,000. Find the cost of fencing the same field at ₹11 per 100 m.

- Ans
- ☐ A. ₹146
 - ☐ B. ₹138
 - ☐ C. ₹142
 - ☒ D. ₹132

Q.36 The side of an equilateral triangle is equal to the side of a square. What is the ratio of the circumradius of the equilateral triangle to the inradius of the square?

- Ans
- ☐ A. $3 : \sqrt{2}$
 - ☐ B. $\sqrt{2} : \sqrt{3}$
 - ☐ C. $\sqrt{3} : 2$
 - ☒ D. $2 : \sqrt{3}$

Q.37 Two pipes A and B can fill a tank in 18 hours and 24 hours, respectively. If both the pipes are opened simultaneously, after how much time (in hours) should pipe A be closed so that the tank is full in 16 hours?

- Ans
- ☐ A. 8
 - ☒ B. 6
 - ☐ C. 7
 - ☐ D. 9

Q.38 Two trains having lengths of 160 m and 140 m are running at speeds of 100 km/hr and 130 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

- Ans
- ☐ A. 3
 - ☐ B. 10.4
 - ☒ C. 0.6
 - ☐ D. 7.2

Q.39 The market value of Amal's investment rises successively by 5% in 2021, 6% in 2022, and 10% in 2023. If the initial value was ₹5,50,000, what will be its value (in ₹) at the end of 2023?

- Ans
- ☐ A. 6,75,900
 - ☐ B. 6,75,365
 - ☐ C. 6,75,800
 - ☒ D. 6,73,365

Q.40 A toy is in the form of a cone mounted on a hemisphere, both having the same radius of 7 cm. If the volume of the conical part is equal to the volume of the hemispherical part, what is the total height of the toy?

- Ans
- ☒ A. 21 cm
 - ☐ B. 35 cm
 - ☐ C. 28 cm
 - ☐ D. 14 cm

Q.41 The ratio of the speeds of two trucks is 7 : 4. The time taken by the faster truck to cover a distance of 196 km is 7 hours less than the other. Find the speed of the slower truck.

- Ans
- ☐ A. 10 km/hr
 - ☐ B. 4 km/hr
 - ☒ C. 12 km/hr
 - ☐ D. 21 km/hr

Q.42 A and B working together can do a piece of work in 6 days. B alone can do the same work in 15 days. How long (in days) will A alone take to do double the work?

- Ans
- ☐ A. 21
 - ☐ B. 23
 - ☐ C. 10
 - ☒ D. 20

Q.43 The number of prime numbers lying between 374 and 384 is:

- Ans
- ☐ A. 0
 - ☐ B. 1
 - ☐ C. 3
 - ☒ D. 2

Q.44 The HCF of two numbers is 23 and their sum is 161. The possible pair(s) of these numbers is/are:

- Ans
- ☐ A. 4
 - ☐ B. 1
 - ☒ C. 3
 - ☐ D. 2

Q.45 Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 19 February 2024 to 20 April 2024.

- Ans
- ☐ A. 41
 - ☒ B. 40
 - ☐ C. 39
 - ☐ D. 38

Q.46 Simplify: $\frac{32672 \times 32672 - 21864 \times 21864}{10808}$

- Ans
- ☐ A. 54836
 - ☐ B. 54636
 - ☒ C. 54536
 - ☐ D. 54436

Q.47 Simplify the following:
 $4 - [3 - 4 \div 2 + \{4 - (5 - 2)\}] + [4 + 18 \div 2 \times 3(4 - 2)]$

- Ans
- ☒ A. 60
 - ☐ B. 54
 - ☐ C. 56
 - ☐ D. 58

Q.48 Rajiv and Sachin started a business, investing amounts of ₹160 and ₹1,690, respectively. If Rajiv's share in the profit earned by them is ₹720, what is the total profit (in ₹) earned by them together?

- Ans
- ☐ A. 8,454
 - ☐ B. 8,395
 - ☐ C. 8,361
 - ☒ D. 8,325

Q.49 A bag contains 1-rupee and 2-rupee coins. The total number of coins is 10, and their total value is ₹16. What is the difference between the numbers of two-rupee coins and one-rupee coins?

- Ans
- ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☒ D. 2

Q.50 Find the median of the numbers 3, 5, 2, 5, 5, 8, 4, 2, 7, 9, 8 and 11.

- Ans** ☒ A. 5
☐ B. 4
☐ C. 8
☐ D. 3

Section : General Intelligence and Reasoning

Q.51 Mr. Zzz starts from Point A and drives 5 km towards the East. He then takes a right turn, drives 14 km, turns right and drives 16 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 11 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 degrees turns only unless specified).

- Ans** ☐ A. 1 km to the West
☒ B. 2 km to the South
☐ C. 4 km to the North
☐ D. 3 km to the East

Q.52 Dev ranked 10th from the top and 31st from the bottom in his class. How many students are there in the class?

- Ans** ☐ A. 41
☐ B. 50
☐ C. 39
☒ D. 40

Q.53 Kareena starts from Point A and drives 16 km towards the east. She then takes a right turn, drives 7 km, turns right and drives 7 km. She then takes a left turn and drives 8 km. She takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans** ☐ A. 12 km towards the east
☐ B. 9 km towards the west
☒ C. 15 km towards the north
☐ D. 15 km towards the south

Q.54 BFKP is related to XAGK in a certain way based on the English alphabetical order. In the same way, LLUV is related to HGQQ. To which of the given options is ZWIG related, following the same logic?

- Ans** ☐ A. VBER
☐ B. VBRE
☒ C. VREB
☐ D. VERT

Q.55 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 5 \$ 5 7 \$ \$ @ & * € 3 # 8 # \$ 5 © 7 £ 4 & * (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☐ A. Three
☐ B. Two
☒ C. One
☐ D. Zero

Q.56 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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 cars are buildings.
All buildings are papers.

Conclusion:

(I) Some buildings are cars.
(II) All cars are papers.

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.57 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O @ P + T # G - V'?

Ans ☒ A. Wife's father's brother
☐ B. Wife's brother
☐ C. Wife's father's father
☐ D. Wife's father

Q.58 What should come in place of the question mark (?) in the given series?
SIF QGD OEB MCZ ?

Ans ☐ A. KAY
☐ B. NDA
☒ C. KAX
☐ D. NDY

Q.59 In a certain code language, 'buyer queen heart' is coded as 'os ld xi' and 'drive heart aunt' is coded as 'kx to os'. How is 'heart' coded in the given language?

Ans ☐ A. kx
☒ B. os
☐ C. ld
☐ D. xi

Q.60 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 letter-cluster pair 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. NS-OK
☐ B. LQ-MJ
☐ C. PU-QN
☐ D. RW-SP

Q.61 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

ECHO - CHEO - OHCE

URGE - RGUE - EGRU

- Ans**
- ☒ A. PAST - PSAT - TSAP
 - ☒ B. WAIT - AIWT - TIAW
 - ☒ C. JOYS - OYJS - OYSJ
 - ☒ D. NAVY - ANVY - YAVN

Q.62 If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

60 F 12 H 3 E 8 G 2 = ?

- Ans**
- ☒ A. 75
 - ☒ B. 71
 - ☒ C. 72
 - ☒ D. 76

Q.63 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. C sits to the immediate right of R. Only three people sit between C and T when counted from the left of C. Only three people sit between R and B when counted from the left of R. S sits to the immediate right of A. How many people sit between R and A when counted from the right of A?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. Two

Q.64 What should come in place of the question mark (?) in the given series?

3, 6, 9, 12, 15, ?, 21

- Ans**
- ☒ A. 17
 - ☒ B. 18
 - ☒ C. 16
 - ☒ D. 20

Q.65 EQ 9 is related to HL -4 in a certain way. In the same way, MR 13 is related to PM 0. To which of the following is MU 19 related, following the same logic?

- Ans**
- ☒ A. KP 7
 - ☒ B. RE 2
 - ☒ C. PP 6
 - ☒ D. YT 5

Q.66 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(45, 114, 8)

(24, 108, 20)

- Ans** ☒ A. (8, 37, 7)
☐ B. (17, 36, 2)
☐ C. (16, 49, 7)
☐ D. (32, 114, 18)

Q.67 What should come in place of the question mark (?) in the given series?
26 42 58 74 90 ?

- Ans** ☐ A. 105
☐ B. 107
☐ C. 104
☒ D. 106

Q.68 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JSF 10 LUH 11 NWJ 12 PYL 13 ?

- Ans** ☐ A. RBO 14
☒ B. RAN 14
☐ C. QBP 14
☐ D. QAN 14

Q.69 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$77 - 5 \div 49 + 21 \times 7 = ?$$

- Ans** ☐ A. 446
☒ B. 431
☐ C. 442
☐ D. 435

Q.70 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 4 2 7 1 5 8 7 2 6 8 3 6 (Right)

How many such prime numbers are there which are immediately followed by even numbers?

- Ans** ☐ A. One
☐ B. Two
☐ C. Three
☒ D. More than three

Q.71 Seven people B, C, D, I, J, K and L are sitting around a circular table facing the centre of the table. I sits fourth to the right of J. Only two people sit between B and C when counted from the left of B. D sits third to the left of K. L is an immediate neighbour of K and C. How many people between I and L when counted from the left of L?

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.72 In a certain code language, 'virus book two' is coded as 'zv jo db' and 'book wet theme' is coded as 'xh im jo'. How is 'book' coded in that language?

- Ans**
- ☒ A. jo
 - ☒ B. zv
 - ☒ C. xh
 - ☒ D. db

Q.73 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. ZWU
 - ☒ B. DBY
 - ☒ C. EBZ
 - ☒ D. HEC

Q.74 60 people are standing in a row facing north. Mayank is 13th from the right end while Kishan is 18th from the left end. How many people are there between Mayank and Kishan?

- Ans**
- ☒ A. 28
 - ☒ B. 30
 - ☒ C. 29
 - ☒ D. 27

Q.75 Each of the digits in the number 13645928 is arranged in descending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. None

Q.76 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 4 2 3 7 8 5 1 6 7 9 4 2 6 7 6 3 9 7 5 4 1 6 9 8 3 4 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Two
 - ☒ B. More than three
 - ☒ C. Three
 - ☒ D. One

Q.77 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 9 1 6 7 7 2 8 3 4 3 3 2 7 9 9 5 4 6 7 3 6 3 (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. Four
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. One

Q.78 What should come in place of the question mark (?) in the given series?

2, 8, 18, 32, 50, ?

- Ans**
- ☒ A. 75
 - ☒ B. 72
 - ☒ C. 80
 - ☒ D. 60

Q.79 A, B, C, D, E, F and G are sitting around a circular table facing the centre. E sits third to the right of G. A sits third to the right of E. D is the immediate neighbour of B and A. C sits to the immediate right of F.
How many people sit between F and B when counted from the left of B?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Four

Q.80 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: All pan are wok. All cauldron are wok.

Conclusions (I): Some pan are cauldron.

Conclusions (II): Some wok are cauldron.

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

Section : General Awareness and Current Affairs

Q.81 Who became the first Indian woman to win gold in javelin at the Asian Games 2025?

- Ans**
- ☒ A. Kamalpreet Kaur
 - ☒ B. Annu Rani
 - ☒ C. Seema Antil
 - ☒ D. Shalini Sharma

Q.82 What was the theme of the RBI's Financial Literacy Week (FLW) 2025?

- Ans**
- ☐ A. Digital Finance for All
 - ☒ B. Financial Literacy: Women's Prosperity
 - ☐ C. Women and Financial Technology
 - ☐ D. Financial Inclusion: India's Growth

Q.83 As per the Economic Survey, 2024-25, what is the global movement led by India to promote sustainable lifestyles called?

- Ans**
- ☐ A. Swachh Life
 - ☐ B. Go Green
 - ☐ C. Earth First
 - ☒ D. LiFE

Q.84 At the 2025 World Bank Land Conference, which country was honoured as a Country Champion in recognition of its transformative work in rural land governance?

- Ans**
- ☐ A. China
 - ☒ B. India
 - ☐ C. Japan
 - ☐ D. Burma

Q.85 The 2025 World Kabaddi Cup was won by which of the following countries?

- Ans**
- ☐ A. Iran
 - ☐ B. South Korea
 - ☒ C. India
 - ☐ D. Pakistan

Q.86 Who was the first Paralympic gold medalist to receive the Arjuna Award 2025 (Lifetime)?

- Ans**
- ☐ A. Deepa Malik
 - ☐ B. Varun Bhati
 - ☐ C. Devendra Jhajharia
 - ☒ D. Murlikant Petkar

Q.87 Which of the following banks of India reported a 33 per cent rise in standalone net profit at ₹5,004 crore for the fourth quarter (Q4) of the financial year 2024-25 (FY25)?

- Ans**
- ☐ A. Bank of Baroda
 - ☐ B. Punjab National Bank
 - ☒ C. Canara Bank
 - ☐ D. State bank of India

Q.88 What honour did ISRO chief V. Narayanan receive in Kolkata in 2025?

- Ans**
- ☐ A. National E-Gov Award
 - ☐ B. Padma Shri
 - ☐ C. Bharat Ratna
 - ☒ D. Rammohan Mission Purashkar

Q.89 How many athletes received the Arjuna Award, 2024, during the January 2025 ceremony?

- Ans**
- ☐ A. 40
 - ☒ B. 34
 - ☐ C. 28
 - ☐ D. 32

- Q.90** The indigenous mRNA vaccine technology developed by CSIR-Centre for Cellular and Molecular Biology (CCMB) in 2025 could have a significant impact on:
- Ans** ☐ A. improving dengue vector control strategies
☐ B. limiting the spread of chikungunya through antibiotics
☐ C. reducing the number of vector control programmes required
☒ D. providing faster, more scalable vaccine development process for future outbreaks
- Q.91** In 2025, which company has partnered with the Archaeological Survey of India (ASI) to restore heritage water bodies?
- Ans** ☐ A. Pepsi
☐ B. Dabur
☐ C. Nestle
☒ D. Bisleri
- Q.92** Which group owns and supports Vantara, a unique wildlife conservation, rescue and rehabilitation initiative in Jamnagar, Gujarat, inaugurated by the Prime Minister of India in March 2025?
- Ans** ☐ A. Tata Group
☐ B. Dalmia Group
☐ C. Wadia Group
☒ D. Reliance Group
- Q.93** In which of the following months did the institutes of Department of Science and Technology (DST) and the Defence Research and Development Organisation (DRDO) join hands to strengthen ground-based Space Situational Awareness?
- Ans** ☐ A. June 2025
☒ B. May 2025
☐ C. March 2025
☐ D. February 2025
- Q.94** In July 2025, which institution announced India's first AI Plus Campus in Amaravati, Andhra Pradesh?
- Ans** ☐ A. IIIT Hyderabad
☐ B. NIT Warangal
☐ C. IIT Madras
☒ D. BITS Pilani
- Q.95** In May 2025, six African nations signed a Memorandum of Understanding (MoU) with the World Health Organization (WHO) to combat Kala Azar. What does Kala Azar refer to?
- Ans** ☐ A. A bacterial infection spread through contaminated water
☒ B. A parasitic disease caused by sandfly bites
☐ C. A type of viral fever transmitted by mosquitoes
☐ D. A genetic disorder affecting red blood cells
- Q.96** In which year was the Manipur Appropriation Bill passed by the Parliament of India?
- Ans** ☐ A. 2024
☐ B. 2022
☐ C. 2023
☒ D. 2025

Q.97 Among India's neighbours, which of the following countries have the better ranking than India in the Corruption Perceptions Index (CPI) for 2024, released by Transparency International in February 2025?

- Ans**
- ☐ A. Pakistan
 - ☐ B. Bangladesh
 - ☒ C. China
 - ☐ D. Sri Lanka

Q.98 On 20 June 2025, Prime Minister Narendra Modi officially flagged off India's first indigenously manufactured locomotive export to which country?

- Ans**
- ☐ A. Mongolia
 - ☐ B. Spain
 - ☐ C. Republic of China
 - ☒ D. Republic of Guinea

Q.99 According to the Internal Displacement Monitoring Centre report, between 2015 and 2024, how many internal displacements due to disasters were recorded in India?

- Ans**
- ☐ A. 50 million
 - ☐ B. 25.4 million
 - ☒ C. 32.3 million
 - ☐ D. 10 million

Q.100 Which of the following countries hosted the first assembly of International Big Cat Alliance in June 2025?

- Ans**
- ☒ A. India
 - ☐ B. Indonesia
 - ☐ C. Italy
 - ☐ D. Germany



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ 1 Odhav
Test Date	27/11/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 How much work (W) is done in moving a charge (Q) of 5 C across two points that have a potential difference of 15 V?

- Ans ☒ A. 3 J
☒ B. 75 J
☒ C. 15 J
☒ D. 1/3 J

Q.2 A car starts from rest and accelerates uniformly at 2 m/s^2 for 5 seconds. What is the final velocity of the car?

- Ans ☒ A. 10 m/s
☒ B. 20 m/s
☒ C. 5 m/s
☒ D. 15 m/s

Q.3 When a gun is fired, the bullet moves forward because:

- Ans ☒ A. air resistance acts forward
☒ B. the barrel exerts no force
☒ C. gravity pushes it forward
☒ D. the recoil of the gun acts backward as reaction

Q.4 Magnification produced by a lens is related to object distance (u) and image distance (v) by the formula:

- Ans ☒ A. $m = u / v$
☒ B. $m = v / u$
☒ C. $m = u + v$
☒ D. $m = v - u$

Q.5 How is intercropping beneficial over single crop farming?

- Ans ☒ A. Requires less land
☒ B. Utilises nutrients efficiently and prevents spread of diseases
☒ C. Reduces labour cost
☒ D. Increases irrigation needs

Q.6 Generally which of the following trophic levels have the least number of organisms?

- Ans**
- ☐ A. Primary consumers
 - ☒ B. Tertiary consumers
 - ☐ C. Secondary consumers
 - ☐ D. Producers

Q.7 When we hit a table lightly, the sound produced is soft because the:

- Ans**
- ☐ A. speed of sound decreases
 - ☒ B. amplitude of vibration is small
 - ☐ C. frequency of vibration is low
 - ☐ D. wavelength becomes shorter

Q.8 Which of the following has the highest acidity?

- Ans**
- ☐ A. Vinegar
 - ☐ B. Water
 - ☒ C. Lemon juice
 - ☐ D. Milk

Q.9 Which of the following cell organelles have enough surface area for ATP-generating chemical reactions?

- Ans**
- ☐ A. Vacuoles
 - ☐ B. Lysosomes
 - ☐ C. Cell wall
 - ☒ D. Mitochondria

Q.10 Mitochondria are special because they have their own DNA and ribosomes. What can they do on this basis?

- Ans**
- ☒ A. Make some of their own proteins
 - ☐ B. Make food using sunlight like plants do
 - ☐ C. Digest materials like lysosomes do
 - ☐ D. Move around the cell on their own

Q.11 Which among the following organic compounds is saturated?

- Ans**
- ☐ A. Propene
 - ☐ B. Propyne
 - ☐ C. 2-Bromopropene
 - ☒ D. Bromopropane

Q.12 The weight of a body on the moon is less than on Earth because:

- Ans**
- ☐ A. The moon has no atmosphere
 - ☒ B. Gravitational acceleration on the moon is smaller
 - ☐ C. Mass of the moon is equal to Earth's mass
 - ☐ D. Mass of the body decreases on the moon

Q.13 Which of the following human diseases can be transmitted during sexual act?

- Ans**
- ☐ A. Cancer
 - ☒ B. Acquired Immuno Deficiency Syndrome
 - ☐ C. Diabetes
 - ☐ D. Protein Energy Malnutrition

Q.14 Which of the following observations best supports that liquids have a definite volume but no fixed shape?

- Ans**
- ☒ A. Water takes the shape of its container but retains its volume
 - ☐ B. A sponge changes its shape when squeezed
 - ☐ C. Air expands to fill the entire container
 - ☐ D. A solid iron block retains its shape in any container

Q.15 A body of mass 'm' kg is kept at a height of 'h' m from the surface of the Earth. What will be the potential energy possessed by this body?

- Ans**
- ☐ A. hg/m
 - ☐ B. m^2gh
 - ☐ C. mh/g
 - ☒ D. mgh

Q.16 Which of the following will show diffusion fastest?

- Ans**
- ☒ A. Gas in gas
 - ☐ B. Liquid in gas
 - ☐ C. Solid in liquid
 - ☐ D. Solid in solid

Q.17 The relation between electric energy, power and time is:

- Ans**
- ☐ A. Energy = Time – Power
 - ☐ B. Energy = Power / Time
 - ☒ C. Energy = Power $\times$ Time
 - ☐ D. Energy = Power + Time

Q.18 _____ is precipitated, when carbon dioxide is passed through lime water.

- Ans**
- ☐ A. CaSO_4
 - ☒ B. CaCO_3
 - ☐ C. Ca(OH)_2
 - ☐ D. $\text{Ca(HCO}_3)_2$

Q.19 Which of the following is a characteristic of gases?

- Ans**
- ☐ A. Compressible but not fluid
 - ☐ B. No fixed shape but fixed volume
 - ☐ C. Fixed shape and volume
 - ☒ D. No fixed shape and no fixed volume

Q.20 Which of the following methods involves coating steel and iron with a layer of zinc to prevent rusting?

- Ans**
- ☒ A. Galvanisation
 - ☐ B. Electroplating
 - ☐ C. Passivation
 - ☐ D. Cathodic protection

Q.21 Which of the following statements is true about HIV transmission?

- Ans**
- ☐ A. HIV can be transmitted through mosquito bites.
 - ☐ B. HIV can be transmitted through casual contact.
 - ☐ C. HIV can be transmitted through aerosols.
 - ☒ D. HIV can be transmitted through sexual acts.

Q.22 Which of the following has straight-chain hydrocarbons?

- Ans**
- ☒ A. Butane
 - ☐ B. 3-Methylpentane
 - ☐ C. Isobutane
 - ☐ D. 2-Methylpropane

Q.23 The distance between the pole and the centre of curvature of a convex mirror is + 40 cm. What will be the distance between the pole and the focus of this mirror?

- Ans**
- ☐ A. + 40 cm
 - ☐ B. -20 cm
 - ☐ C. -40 cm
 - ☒ D. + 20 cm

Q.24 Which of the following plants reproduces asexually by budding along the margins of a leaf?

- Ans**
- ☐ A. Spirogyra
 - ☐ B. Mango
 - ☐ C. Hydra
 - ☒ D. Bryophyllum

Q.25 Why can tiny molecules like oxygen easily pass through the cell membrane, but not the big ones like starch or proteins?

- Ans**
- ☒ A. The cell membrane is permeable to selective substances.
 - ☐ B. The cell membrane is completely solid.
 - ☐ C. Big molecules have to break down for entry.
 - ☐ D. Small molecules have special energy to push through.

Section : Mathematics

Q.26 The ratio of the volume of a sphere to the total surface area of a hemisphere is 28 : 3. If the radii of the sphere and the hemisphere are equal, find the volume of the sphere (in cubic centimetres).

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

- Ans**
- ☐ A. 38,208
 - ☒ B. 38,808
 - ☐ C. 38,542
 - ☐ D. 38,460

Q.27 A train P going at the speed of 84 km/hr completely passes train Q of length 447 m, going in the same direction on parallel tracks, at 54 km/hr, in 4.5 minutes. How much time (in seconds) will P take to completely cross train R of length 287 m, going at 87 km/hr in the opposite direction?

- Ans**
- ☐ A. 36
 - ☐ B. 39
 - ☒ C. 44
 - ☐ D. 34

Q.28 What is the average of the first 50 even natural numbers?

- Ans**
- ☒ A. 51
 - ☐ B. 50
 - ☐ C. 52
 - ☐ D. 54

Q.29 The amount on a sum of ₹6,500 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹9,431
 - ☐ B. ₹10,274
 - ☐ C. ₹8,411
 - ☒ D. ₹9,360

Q.30 A triangular field has sides measuring 42 cm, 34 cm and 20 cm. What is the length of the altitude corresponding to the longest side?

- Ans**
- ☐ A. 15 cm
 - ☐ B. 20 cm
 - ☒ C. 16 cm
 - ☐ D. 18 cm

Q.31 A purse contains only ₹5 and ₹10 coins. The total number of coins is 118 and their total value is ₹855. How many coins of ₹5 are there?

- Ans**
- ☐ A. 56
 - ☒ B. 65
 - ☐ C. 55
 - ☐ D. 53

Q.32 The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 80% and that of the TV decreases by 22%, then what is the percentage change in the total cost of 7 washing machines and 6 TVs?

- Ans**
- ☐ A. Decrease by 18%
 - ☐ B. Decrease by 15%
 - ☒ C. Increase by 20%
 - ☐ D. Increase by 21%

Q.33 If the third proportional of 32 and 24 is x, then what is the value of x?

- Ans**
- ☐ A. 17
 - ☒ B. 18
 - ☐ C. 20
 - ☐ D. 16

Q.34 3 men can do a piece of work in 20 days. How many men will do it in 2 days?

- Ans**
- ☐ A. 33
 - ☒ B. 30
 - ☐ C. 32
 - ☐ D. 31

Q.35 A, B and C can do a piece of work in 3, 8 and 24 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans**
- ☐ A. 18
 - ☐ B. 12
 - ☒ C. 6
 - ☐ D. 7

Q.36 If $x^2 + 1 = 2x$, then $(x^4 - 1)$ is equal to:

- Ans**
- ☐ A. $2x$
 - ☐ B. 1
 - ☐ C. x
 - ☒ D. 0

Q.37 A person saves 60% of his income. If his expenditure is ₹440, then his income (in ₹) is:

- Ans** ☒ A. 1,100
☐ B. 1,140
☐ C. 176
☐ D. 264

Q.38 Simplify: $\frac{[72 \div \{6 \times (3 + 2)\} + 5^2 - 8] \times 5}{97}$

- Ans** ☐ A. 3
☒ B. 1
☐ C. 7
☐ D. 5

Q.39 Simplify: $4 \div 24 + 3.6 \times \frac{1}{9} - \left\{ \frac{1}{15} + (1 - 1.5) \right\}$

- Ans** ☐ A. 0
☒ B. 1
☐ C. 3
☐ D. 2

Q.40 Mohan buys a watch for ₹460 and sells it for ₹483. Find his percentage of profit.

- Ans** ☐ A. 4.7%
☐ B. 4%
☒ C. 5%
☐ D. 5.5%

Q.41 The average age of 51 students in a class is 24 years. If the age of the teacher is also included, the average age of the whole group becomes 25 years. The age (in years) of the teacher is:

- Ans** ☐ A. 75
☐ B. 77
☒ C. 76
☐ D. 71

Q.42 The average age of four children I, J, K and L is 9 years and the average age of I, J, L, M is 12 years. K is 5 years old. The age of M (in years) is:

- Ans** ☒ A. 17
☐ B. 20
☐ C. 18
☐ D. 19

Q.43 If an item marked at ₹485 is sold for ₹293, then what is the discount percentage? (Round off your answer to two decimal places).

- Ans** ☐ A. 38.99%
☐ B. 42.85%
☐ C. 36.76%
☒ D. 39.59%

Q.44 If $\cos \theta = \frac{5}{13}$, then find the value of $\sqrt{\frac{1 - \sin \theta}{1 + \sin \theta}}$.

- Ans
- ☒ A. $\frac{12}{13}$
 - ☒ B. $\frac{1}{25}$
 - ☒ C. $\frac{1}{3}$
 - ☒ D. $\frac{1}{5}$

Q.45 Anmol and Ayushi together invested ₹46,600 in a business. At the end of the year, out of a total profit of ₹7,500, Anmol's share was ₹2,700. What was Anmol's investment?

- Ans
- ☒ A. ₹18,740
 - ☒ B. ₹16,776
 - ☒ C. ₹17,240
 - ☒ D. ₹16,080

Q.46 After selling an article at a discount of 29%, the profit percentage obtained is 4%. What is the mark-up percentage (rounded off to two decimal places)?

- Ans
- ☒ A. 47.05%
 - ☒ B. 48.51%
 - ☒ C. 45.31%
 - ☒ D. 46.48%

Q.47 $\frac{1}{20}$ is what percentage of $\frac{2}{60}$?

- Ans
- ☒ A. 150%
 - ☒ B. 165%
 - ☒ C. 300%
 - ☒ D. 160%

Q.48 In a $\triangle PMN$, $\angle P = 76^\circ$. The bisectors of the exterior angles at M and N intersect each other at point O. The degree measure of $\angle MON$ is:

- Ans
- ☒ A. 52°
 - ☒ B. 38°
 - ☒ C. 128°
 - ☒ D. 104°

Q.49 Two trains, measuring 267 metres and 153 metres in length, are moving in the same direction at speeds of 162 km/hr and 36 km/hr, respectively. How long will it take for the faster train to completely overtake the slower one?

- Ans
- ☒ A. 22 seconds
 - ☒ B. 18 seconds
 - ☒ C. 12 seconds
 - ☒ D. 17 seconds

Q.50 11 men can dig a well 59 feet deep in 19 days. How many men can dig a well 118 feet deep in 2 days?

- Ans** ☒ A. 208
☒ B. 211
☒ C. 209
☒ D. 206

Section : General Intelligence and Reasoning

Q.51 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. GMJ
☒ B. PVS
☒ C. CIE
☒ D. IOL

Q.52 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
GKN19 HLO26 IMP33 JNQ40 ?

- Ans** ☒ A. KOR47
☒ B. KOR48
☒ C. KOS47
☒ D. KOS48

Q.53 SDFH is related to VYIC in a certain way based on the English alphabetical order. In the same way, EJRN is related to HEUI. To which of the following options is NUAY related, following the same logic?

- Ans** ☒ A. QPDT
☒ B. QSER
☒ C. QWET
☒ D. QPYU

Q.54 In a certain code language,
A + B means 'A is the sister 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'.
Based on the above, how is O related to V if 'O + P @ T - G # V'?

- Ans** ☒ A. Mother
☒ B. Mother's sister
☒ C. Sister
☒ D. Mother's mother

Q.55 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only two people sit between C and U when counted from the left of U. B sits third to the left of A. T sits to the immediate right of A. T sits second to the left of C. R is not an immediate neighbour of B. Who sits third to the right of S?

- Ans** ☒ A. C
☒ B. T
☒ C. A
☒ D. U

Q.56 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

MIST - TIMS - ISMT

HOPE - EOHP - OPHE

- Ans** ☒ A. BUSY - YUBS - USBY
☐ B. WIDE - EIWD - DIWE
☐ C. PUTS - UPTS - SUTP
☐ D. NUMB - NMUB - BMUN

Q.57 A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits third to the right of D. E sits second to the right of C. F is the immediate neighbour of B and C. G is not an immediate neighbour of D. How many people sit between A and G when counted from the left of G?

- Ans** ☒ A. Four
☐ B. Two
☐ C. Three
☐ D. One

Q.58 EFJL is related to HKMQ in a certain way based on the English alphabetical order. In the same way, QZVF is related to TEYK. To which of the following options is ZOEU related, following the same logic?

- Ans** ☐ A. CTYU
☐ B. CTZS
☐ C. CGFR
☒ D. CTHZ

Q.59 Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only I is kept above C. Only L is kept between C and J. Only K is kept below D. How many boxes are kept between B and I?

- Ans** ☐ A. One
☒ B. Three
☐ C. Four
☐ D. Two

Q.60 Mukesh starts from Point A and drives 14 km towards the North. He then takes a left turn, drives 9 km, then turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 3 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. 4 km to the west
☐ B. 5 km to the east
☐ C. 5 km to the west
☐ D. 4 km to the east

Q.61 In a certain code language, 'nail post fish' is coded as 'pl mg qn' and 'fish urn knife' is coded as 'ix pl ko'. How is 'fish' coded in the given language?

- Ans** ☐ A. mg
☐ B. ix
☐ C. qn
☒ D. pl

Q.62 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 paddy are rice.
Some rice are wheat.

Conclusions:

(I) Some paddy are wheat.
(II) All wheat are rice.

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

Q.63 This question is based on the five, three-digit numbers given below.

(Left) 742 912 853 657 154 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position of how many numbers will remain unchanged?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Four

Q.64 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GMP IOR KQT MSV ?

- Ans**
- ☒ A. OUX
 - ☒ B. QVX
 - ☒ C. OUY
 - ☒ D. PVX

Q.65 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 7 1 8 4 2 3 9 5 7 6 1 (Right)

How many even numbers are there which are immediately followed by odd numbers?

- Ans**
- ☒ A. More than three
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

- Q.66** 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 conclusion(s) logically follow(s) from the statements.

Statements:

Some oranges are peaches.
No peach is a carrot.

Conclusions:

(I) Some oranges are carrots.

(II) All carrots are peaches.

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

- Q.67** 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 letter-cluster pair 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. OR - KN
☒ B. IL - EL
☒ C. MP - IL
☒ D. PS - LO

- Q.68** What should come in place of the question mark (?) in the given series?

834 840 848 ? 870 884

- Ans** ☒ A. 858
☒ B. 855
☒ C. 856
☒ D. 854

- Q.69** Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 3 1 3 9 6 3 4 1 1 5 6 9 9 6 8 9 7 5 6 6 2 (Right)

How many such even digits are there each of which is immediately preceded by a perfect square and also immediately followed by an even digit?

- Ans** ☒ A. 4
☒ B. 3
☒ C. 1
☒ D. 2

- Q.70** In a certain code language, 'ROME' is coded as '1398' and 'DEMO' is coded as '4138'. What is the code for 'D' in the given code language?

- Ans** ☒ A. 8
☒ B. 3
☒ C. 1
☒ D. 4

Q.71 Raman ranked 31st from the top and 12th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 41
 - ☐ B. 40
 - ☒ C. 42
 - ☐ D. 43

Q.72 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?

$$21 \text{ B } 16 \text{ C } 20 \text{ D } 26 \text{ A } 2 = ?$$

- Ans**
- ☐ A. 341
 - ☐ B. 342
 - ☒ C. 343
 - ☐ D. 340

Q.73 Seven people, B, C, D, I, J, K and L, are sitting around a circular table, facing the centre of the table. I sits to the immediate left of D. J is the immediate neighbour of both B and K. K sits third to the left of D. L is not an immediate neighbour of K. Who sits second to the right of C?

- Ans**
- ☐ A. J
 - ☐ B. I
 - ☐ C. K
 - ☒ D. D

Q.74 This question is based on the five, three-digit numbers given below.

(Left) 593 784 358 631 296 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant, if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 13
 - ☐ B. 17
 - ☐ C. 10
 - ☐ D. 14

Q.75 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?

$$11 \text{ B } 22 \text{ C } 288 \text{ A } 18 \text{ D } 50 = ?$$

- Ans**
- ☐ A. 202
 - ☒ B. 208
 - ☐ C. 220
 - ☐ D. 212

Q.76 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, -2, 11)
(46, 2107, 9)

- Ans** ☒ A. (34, 1135, 21)
 ☐ B. (38, 1433, 10)
 ☐ C. (25, 607, 17)
 ☐ D. (33, 1081, 7)

Q.77 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$43 - 17 \div 147 + 362 \times 2 = ?$$

- Ans** ☐ A. 695
 ☐ B. 691
 ☐ C. 699
 ☒ D. 697

Q.78 Hemant starts from Point A and drives 3 km towards the east. He then takes a right turn, drives 5 km, turns right and drives 6 km. He then takes a right turn and drives 5 km. He takes a final left turn, drives 8 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 degrees turns only unless specified).

- Ans** ☐ A. 5 km towards the south
 ☐ B. 7 km towards the north
 ☒ C. 11 km towards the east
 ☐ D. 11 km towards the west

Q.79 What should come in place of the question mark (?) in the given series?

267 237 209 183 159 ?

- Ans** ☐ A. 145
 ☐ B. 133
 ☒ C. 137
 ☐ D. 128

Q.80 What should come in place of the question mark (?) in the given series?

2 4 12 24 72 ?

- Ans** ☐ A. 136
 ☐ B. 124
 ☒ C. 144
 ☐ D. 92

Q.81 Who received the Padma Shri in 2025 for their work in social service (North East India)?

- Ans**
- ☐ A. Kiran Mazumdar-Shaw
 - ☐ B. Binalakshmi Nepram
 - ☒ C. Jumde Yomgam
 - ☐ D. Anand Kumar

Q.82 Which international day was observed for the first time on 12 April 2025, as declared by the United Nations?

- Ans**
- ☐ A. International Day for Dialogue Between Civilizations
 - ☐ B. International Day of Plant Health
 - ☒ C. International Day of Human Space Flight
 - ☐ D. International Day of Clean Energy

Q.83 With which of the following institutes did the Data Informatics and Innovation Division of the Ministry of Statistics and Programme Implementation (MoSPI), sign a Memorandum of Understanding under the Data Innovation lab initiative in January 2025?

- Ans**
- ☐ A. National Institute of Technology Warangal
 - ☐ B. National Institute of Technology Durgapur
 - ☐ C. International Institute of Information Technology – Hyderabad (IIIT-Hyderabad)
 - ☒ D. Indraprastha Institute of Information Technology (IIIT-Delhi)

Q.84 The theme of National Nurses Day 2025 was 'Our Nurses. Our Future. Caring for nurses strengthens economies'. When was this day celebrated in India?

- Ans**
- ☐ A. 6 July
 - ☒ B. 12 May
 - ☐ C. 7 June
 - ☐ D. 7 August

Q.85 Which app was announced in June 2025 to identify sporting talent via videos?

- Ans**
- ☐ A. SAI Connect App
 - ☐ B. Sports Talent Search App
 - ☒ C. TOPS Talent App
 - ☐ D. Khelo India App

Q.86 Which two national parks achieved the highest scores of 92.97% in the Management Effectiveness Evaluation (MEE) 2020–2025 of National Parks and Protected Areas?

- Ans**
- ☐ A. Bandipur and Kanha
 - ☒ B. Eravikulam and Dachigam
 - ☐ C. Periyar and Sundarbans
 - ☐ D. Gir and Kaziranga

Q.87 Which Indian personality headed the expert committee on digital competition law in 2025?

- Ans**
- ☐ A. Nandan Nilekani
 - ☐ B. Ashwini Vaishnaw
 - ☒ C. Manoj Govil
 - ☐ D. Manoj Joshi

Q.88 In June 2025, the Reserve Bank of India introduced relaxed norms for project finance provisioning bringing significant relief to lenders, with effect from ____.

- Ans**
- ☒ A. 1 October 2025
 - ☐ B. 1 August 2025
 - ☐ C. 1 November 2025
 - ☐ D. 1 September 2025

Q.89 The 'GenomeIndia' project that has completed whole genome sequencing (WGS) on a database of thousands of individuals in April 2025 was launched in ____.

- Ans**
- ☐ A. 2014
 - ☒ B. 2020
 - ☐ C. 2019
 - ☐ D. 2023

Q.90 According to ICRA, India's general insurance sector is expected to see a growth of how much percentage in FY26?

- Ans**
- ☒ A. 8.7%
 - ☐ B. 7.7%
 - ☐ C. 5.7%
 - ☐ D. 6.7%

Q.91 Which rugby league legend became the first player in the sport's 130-year history to receive a knighthood, awarded by King Charles at Buckingham Palace in 2025?

- Ans**
- ☐ A. Ellery Hanley
 - ☒ B. Billy Boston
 - ☐ C. Kevin Sinfield
 - ☐ D. Martin Offiah

Q.92 The National Florence Nightingale Awards, conferred by the President of India in May 2025, are given to which of the following?

- Ans**
- ☐ A. Teaching professionals
 - ☐ B. Educational institutions
 - ☐ C. Doctors
 - ☒ D. Nursing professionals

Q.93 Which Indian bowler took 25 wickets to win IPL 2025 Purple Cap?

- Ans**
- ☐ A. Jasprit Bumrah
 - ☒ B. Prasidh Krishna
 - ☐ C. Arshdeep Singh
 - ☐ D. Yuzvendra Chahal

Q.94 With which country did India secure a \$131 million deal in May 2025 to acquire 'HawkEye 360's cutting-edge surveillance technology to advance its maritime defense infrastructure?

- Ans**
- ☐ A. South Africa
 - ☐ B. Germany
 - ☐ C. New Zealand
 - ☒ D. United States of America

Q.95 Indicating a strong push toward sustainable energy development, the installed renewable energy generating capacity in India increased from 64.04 watts per capita in 2014-15 to what level per capita in 2024-25?

- Ans**
- ☐ A. 98.63 watts
 - ☐ B. 85.21 watts
 - ☐ C. 110.36 watts
 - ☒ D. 156.31 watts

Q.96 Which state emerged as India's first fully literate state, following a major literacy drive under the ULLAS scheme, in May 2025?

- Ans**
- ☐ A. Goa
 - ☒ B. Mizoram
 - ☐ C. Gujarat
 - ☐ D. Kerala

Q.97 Which of the following organisations received the 2025 Zayed Sustainability Prize in the Health category in January 2025?

- Ans**
- ☒ A. Periwinkle Technologies
 - ☐ B. Doctors Without Borders
 - ☐ C. PATH
 - ☐ D. Last Mile Health

Q.98 The Prime Minister laid the foundation stone for the National Referral Centre for Wildlife in which city in 2025?

- Ans**
- ☐ A. Ahmedabad
 - ☐ B. Pune
 - ☐ C. Vadodara
 - ☒ D. Junagadh

Q.99 Which state High Court in January 2025 has mandated that individuals in live-in relationships must sign a legal contract outlining financial responsibilities and childcare provisions?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Gujarat
 - ☐ C. Goa
 - ☒ D. Rajasthan

Q.100 Which team won the Laureus World Team of the Year in 2025?

- Ans**
- ☐ A. Spain Olympic Football Team
 - ☐ B. Los Angeles Lakers
 - ☒ C. Real Madrid
 - ☐ D. Barcelona



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ LB Nagar
Test Date	28/11/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What is the defining characteristic of an unsaturated carbon compound?

- Ans
- ☒ A. It forms only cyclic structures.
 - ☒ B. It contains at least one double or triple bond between carbon atoms.
 - ☒ C. All carbon atoms are linked by only single bonds.
 - ☒ D. It always contains a functional group with oxygen.

Q.2 What is the main function of the nucleus in an eukaryotic cell?

- Ans
- ☒ A. Digesting waste
 - ☒ B. Acting as a storage unit for food
 - ☒ C. Directing life processes of the cell
 - ☒ D. Producing energy

Q.3 Which of the following examples best illustrates the real-life role of lysosomes in action?

- Ans
- ☒ A. A green leaf making food by photosynthesis
 - ☒ B. A white blood cell swallowing and breaking down harmful bacteria
 - ☒ C. A nerve cell passing signals to help you feel pain
 - ☒ D. A red blood cell delivering oxygen to muscles

Q.4 A student cuts the style of a flower before pollination. What will be the most likely outcome?

- Ans
- ☒ A. Pollination will be faster.
 - ☒ B. The pollen tube will grow more quickly.
 - ☒ C. The ovule will turn into a seed.
 - ☒ D. Fertilisation will not occur.

Q.5 Newton's First Law of Motion is also called the law of:

- Ans
- ☒ A. action and reaction
 - ☒ B. inertia
 - ☒ C. acceleration
 - ☒ D. force

- Q.6** Which of the following organs releases growth hormone releasing factor, which stimulates the pituitary gland to release growth hormone?
- Ans** ☒ A. Hypothalamus
☐ B. Adrenal glands
☐ C. Thymus
☐ D. Pancreas
- Q.7** Which of the following activities demonstrates the presence of spaces between particles of matter?
- Ans** ☐ A. Compressing a gas
☒ B. Dissolving sugar in water
☐ C. Heating a solid
☐ D. Freezing a liquid
- Q.8** When white light falls on a glass prism, out of all its constituent colours, violet colour undergoes maximum bending. Why?
- Ans** ☐ A. Violet has minimum wavelength and hence minimum refractive index
☐ B. Violet has maximum wavelength and hence maximum refractive index
☐ C. Violet has maximum wavelength and hence minimum refractive index
☒ D. Violet has minimum wavelength and hence maximum refractive index
- Q.9** Which of the following increases when the amplitude of a wave increases?
- Ans** ☒ A. Energy of the wave
☐ B. Frequency
☐ C. Wavelength
☐ D. Speed
- Q.10** The state of a substance whether it will be solid, liquid or gas is determined by:
- a. Temperature
b. Pressure
c. Volume
- Ans** ☐ A. b and c only
☐ B. a, b and c
☒ C. a and b only
☐ D. a and c only
- Q.11** What is the approximate pH of a salt solution formed from a strong acid and a strong base?
- Ans** ☒ A. Equal to 7
☐ B. Can be less than or greater than 7 depending on temperature
☐ C. Greater than 7
☐ D. Less than 7
- Q.12** The resistance of a metallic conductor increases with:
- Ans** ☐ A. Decrease in temperature
☐ B. Increase in cross-sectional area
☒ C. Increase in temperature
☐ D. Decrease in length

Q.13 Which of the following statements is true about gravitational force of the Earth?

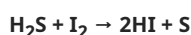
- Ans**
- ☐ A. It is a non-central force.
 - ☒ B. It depends on the mass of the object.
 - ☐ C. It acts away from the centre of Earth.
 - ☐ D. It is independent of distance from Earth's centre.

Q.14 Which of the following is NOT true regarding the image formed by a concave lens?

- (i) The image formed by a concave lens cannot be obtained on a screen.
- (ii) The image formed by a concave lens can be obtained on a screen.
- (iii) The image formed is always smaller in size in comparison to the size of the object.
- (iv) The image formed is always bigger in size in comparison to the size of the object.

- Ans**
- ☒ A. Both (ii) and (iv)
 - ☐ B. Both (i) and (iv)
 - ☐ C. Both (ii) and (iii)
 - ☐ D. Both (i) and (iii)

Q.15 Observe the following chemical reaction:



Which of the following statements correctly describes this redox reaction?

Statements:

I: Hydrogen sulphide undergoes oxidation to form sulphur.

II: Iodine is reduced, producing hydrogen iodide.

- Ans**
- ☐ A. Both Statement I and II are incorrect
 - ☐ B. Only Statement II is correct
 - ☐ C. Only Statement I is correct
 - ☒ D. Both Statement I and II are correct

Q.16 The process of swelling or shrinking in plant cells, leading to changes in shape and movement, is directly caused by which factor?

- Ans**
- ☐ A. The rapid breakdown of cellulose.
 - ☐ B. The formation of new protein structures.
 - ☐ C. The stiffening of their cell walls.
 - ☒ D. The alteration of their internal water content.

Q.17 Rutherford's α -particle scattering experiment led to the discovery of which of the following?

- Ans**
- ☐ A. Protons
 - ☐ B. Neutrons
 - ☒ C. Nucleus
 - ☐ D. Electrons

Q.18 Which of the following is an example of potential energy?

- Ans**
- ☐ A. A flowing river
 - ☒ B. A book kept on a table
 - ☐ C. A moving train
 - ☐ D. A rolling ball

Q.19 Metals found at the bottom of the activity series (e.g., gold, silver, platinum) are typically found in nature in which state?

- Ans
- ☐ A. As sulphides that require calcination
 - ☐ B. As highly reactive oxides
 - ☐ C. As carbonates that require roasting
 - ☒ D. In their free state

Q.20 A housing society has started segregating waste into two bins – green for kitchen waste and blue for plastic, metal and glass. What is the main benefit of this practice?

- Ans
- ☐ A. It reduces the smell of garbage.
 - ☒ B. It helps separate non-biodegradable from biodegradable waste.
 - ☐ C. It increases the quantity of waste produced.
 - ☐ D. It makes waste collection faster.

Q.21 How many daughter cells are formed during binary fission?

- Ans
- ☒ A. Two
 - ☐ B. Zero
 - ☐ C. One
 - ☐ D. Four

Q.22 Which of the following statements is correct?

Statement 1: The magnetic field lines produced around a straight current-carrying conductor form concentric circles centred along the wire.

Statement 2: The direction of these magnetic field lines can be determined using the right-hand thumb rule.

- Ans
- ☒ A. Both statements 1 and 2 are correct.
 - ☐ B. Both statements 1 and 2 are incorrect.
 - ☐ C. Statement 1 is incorrect, but 2 is correct.
 - ☐ D. Statement 1 is correct, but 2 is incorrect.

Q.23 To demonstrate the relationship between inertia and mass, a student compares the difficulty of kicking a football versus kicking a stone of equal size. What fundamental principle justifies the greater difficulty and potential injury associated with kicking the stone?

- Ans
- ☐ A. The stone has lower surface friction, causing all force to be transmitted.
 - ☐ B. The force applied to the stone is insufficient to overcome the centripetal force holding its atoms together.
 - ☐ C. The stone is subject to the First Law of Motion, while the football is governed by the Second Law.
 - ☒ D. The stone possesses greater mass, which results in greater inertia, meaning it offers larger resistance to changing its state of rest.

Q.24 What is the sequence of stages involved in the budding process of hydra?

- Ans
- ☐ A. Bud initiation → Bud detachment → Bud maturation → New individual
 - ☐ B. Bud maturation → Bud initiation → Bud detachment → New individual
 - ☒ C. Bud initiation → Bud maturation → Bud detachment → New individual
 - ☐ D. New individual → Bud maturation → Bud detachment → Bud initiation

Q.25 What type of reaction occurs when barium chloride reacts with sodium sulfate?

- Ans
- ☐ A. Decomposition
 - ☐ B. Combination
 - ☒ C. Double displacement
 - ☐ D. Oxidation

Section : Mathematics

Q.26 Sushma purchased a used car for ₹1,20,000 and spent ₹28,500 on its repairs. She then sold it to her friend Sam for ₹1,38,600. What percentage did she gain or lose? (Round off your answer to two decimal places.)

- Ans**
- ☒ A. 8.67% loss
 - ☒ B. 5.38% gain
 - ☒ C. 6.67% gain
 - ☒ D. 6.67% loss

Q.27 A sum of money is to be distributed among A, B, C and D in the ratio of 10 : 7 : 9 : 5. If C gets ₹334 more than B, then how much did A receive?

- Ans**
- ☒ A. ₹1,669
 - ☒ B. ₹1,673
 - ☒ C. ₹1,670
 - ☒ D. ₹1,671

Q.28 The price of oil is increased successively by 50% and then by 40%. What is the equivalent single percentage increase?

- Ans**
- ☒ A. 100%
 - ☒ B. 110%
 - ☒ C. 90%
 - ☒ D. 75%

Q.29 Simplify $\frac{1.25^2 - 0.75^2}{2.25^2 - 1.25^2} \times \frac{7}{2}$.

- Ans**
- ☒ A. 2
 - ☒ B. 0.5
 - ☒ C. 1
 - ☒ D. 0.25

Q.30 Chetan travels from City A to City B. If Chetan drives his car at $\frac{3}{5}$ th Find the time (in minutes) that Chetan would have taken to travel from



- Ans**
- ☒ A. 78
 - ☒ B. 82
 - ☒ C. 69
 - ☒ D. 83

Q.31 A and B working together can do a piece of work in 6 days. B alone can do the same work in 9 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☒ A. 18
 - ☒ B. 39
 - ☒ C. 37
 - ☒ D. 36

Q.32 After selling an article at a discount of 25%, the profit percentage obtained is 2%. What is the mark-up percentage?

- Ans**
- ☒ A. 40%
 - ☒ B. 38%
 - ☒ C. 36%
 - ☒ D. 34%

Q.33 The present age of a father is twice the sum of the present ages of his two sons. After 20 years, the father's age will be equal to the sum of his sons' ages. Find the present age of the father.

- Ans**
- ☐ A. 45 years
 - ☐ B. 48 years
 - ☒ C. 40 years
 - ☐ D. 42 years

Q.34 A triangle has sides of lengths 7 cm, 9 cm and 12 cm. Find its area.

- Ans**
- ☐ A. $19\sqrt{7} \text{ cm}^2$
 - ☐ B. $18\sqrt{13} \text{ cm}^2$
 - ☒ C. $14\sqrt{5} \text{ cm}^2$
 - ☐ D. $16\sqrt{3} \text{ cm}^2$

Q.35 The marked price of a wardrobe is ₹8,640, which is 35% above the cost price. It is sold at a discount of 20% on the marked price. Find the profit percentage.

- Ans**
- ☐ A. 6%
 - ☐ B. 9%
 - ☐ C. 10%
 - ☒ D. 8%

Q.36 The amount on a sum of ₹2,800 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹2,647
 - ☐ B. ₹3,604
 - ☐ C. ₹3,274
 - ☒ D. ₹3,388

Q.37 If $A : B = 1 : 3$, $B : C = 4 : 3$ and $C : D = 6 : 7$, then $A : B : C : D$ is:

- Ans**
- ☐ A. 8 : 24 : 16 : 21
 - ☒ B. 8 : 24 : 18 : 21
 - ☐ C. 6 : 24 : 18 : 21
 - ☐ D. 8 : 22 : 18 : 21

Q.38 Navya and Bhavya can paint a house in 40 days and 60 days, respectively. If they work on alternate days, starting with Bhavya, in how many days can the duo complete painting that house?

- Ans**
- ☐ A. 49 days
 - ☐ B. 50 days
 - ☒ C. 48 days
 - ☐ D. 45 days

Q.39 A father is 5 times as old as his son. If the sum of their ages is 54 years, how old is the son?

- Ans**
- ☒ A. 9 years
 - ☐ B. 10 years
 - ☐ C. 11 years
 - ☐ D. 12 years

Q.40 What is the value of $\frac{5.4(0.1 \times 0.1 \times 0.1 + 0.03 \times 0.03 \times 0.03)}{(0.3 \times 0.3 \times 0.3 + 0.09 \times 0.09 \times 0.09)}$?

- Ans
- ☐ A. 0.4
 - ☒ B. 0.2
 - ☐ C. 0.6
 - ☐ D. 0.5

Q.41 Find the mode of the data 1, 11, 11, 8, 18, 8, 7, 7, 7, x, y, and 8, given that $3x + 7y = 42$ and $7x + 3y = 58$.

- Ans
- ☒ A. 7
 - ☐ B. 8
 - ☐ C. 18
 - ☐ D. 11

Q.42 Which of the following numbers is divisible by 7?

- Ans
- ☐ A. 7660778
 - ☐ B. 7357306
 - ☒ C. 7132951
 - ☐ D. 6825907

Q.43 A train, 1312 m long, is running at a speed of 54 m/s. If it takes 106 seconds to cross a tunnel, then find the length of the tunnel.

- Ans
- ☐ A. 4408 m
 - ☐ B. 4402 m
 - ☒ C. 4412 m
 - ☐ D. 4413 m

Q.44 If $7^5 \times 7\sqrt{7} \div 7^{\frac{-5}{2}} = 7^{2x+3}$, then the value of x is:

- Ans
- ☐ A. 0
 - ☒ B. 3
 - ☐ C. 0.5
 - ☐ D. 2

Q.45 The average of 6.5, 10.6, 19.7 and a is 12. The value of a is:

- Ans
- ☒ A. 11.2
 - ☐ B. 13.2
 - ☐ C. 12.2
 - ☐ D. 10.2

Q.46 P is any point inside the rectangle ABCD. If PA = 85 cm, PB = 65 cm and PC = 5 cm, then the length of PD (in cm) is equal to:

- Ans
- ☐ A. 53
 - ☐ B. 51
 - ☐ C. 58
 - ☒ D. 55

Q.47 The monthly incomes of two friends, Kiran and Mahesh, are in the ratio 5 : 8 respectively, and each of them saves ₹72,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Kiran (in ₹).

- Ans**
- ☐ A. 1,79,000
 - ☐ B. 1,81,000
 - ☒ C. 1,80,000
 - ☐ D. 2,52,000

Q.48 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 33% and that of the TV decreases by 13%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?

- Ans**
- ☒ A. Increase by 10%
 - ☐ B. Decrease by 10%
 - ☐ C. Increase by 9.5%
 - ☐ D. Decrease by 7%

Q.49 If $5\cos A = 4$, find the value of $\frac{3\sqrt{\operatorname{cosec}^2 A - 1}}{4\sqrt{\sec^2 A - 1}}$.

- Ans**
- ☐ A. 1
 - ☐ B. $\frac{16}{9}$
 - ☒ C. $\frac{4}{3}$
 - ☐ D. $\frac{3}{4}$

Q.50 The area of a triangle is 61.5 m^2 . If one of its sides is 12.3 m, find the length of the perpendicular dropped on that side from the opposite vertex.

- Ans**
- ☒ A. 10 m
 - ☐ B. 11.5 m
 - ☐ C. 10.5 m
 - ☐ D. 11 m

Section : General Intelligence and Reasoning

Q.51 Karan starts from Point A and drives 12 km towards the North. He then takes a right turn, drives 6 km, then turns right and drives 16 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 4 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. 3 km to the east
 - ☒ C. 2 km to the east
 - ☐ D. 2 km to the west

Q.52 In a certain code language, 'pig issue nod' is coded as 'cd hx gj' and 'love nod news' is coded as 'vn va hx'. How is 'nod' coded in the given language?

- Ans**
- ☒ A. hx
 - ☐ B. gi
 - ☐ C. vn
 - ☐ D. cd

Q.53 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 pipe are hose.
All hose are tunnel.

Conclusions:

(I) Some pipe are tunnel.
(II) All tunnel are hose.

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

Q.54 Mr. Z starts from Point A and drives 18 km towards the North. He then takes a left turn, drives 14 km, then turns left and drives 14 km. He then takes a right turn, drives 13 km, then turns left and drives 25 km. He then takes a left turn and drives 34 km. He takes a final left turn, drives 21 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. 10 km to the north
 - ☒ B. 7 km to the west
 - ☐ C. 8 km to the east
 - ☐ D. 9 km to the south

Q.55 DGRZ is related to HNVG in a certain way based on the English alphabetical order. In the same way, TIHB is related to XPLI. To which of the given options is FDTW related, following the same logic?

- Ans**
- ☐ A. JKXS
 - ☒ B. JKXD
 - ☐ C. JXDE
 - ☐ D. JKOP

Q.56 NJOM is related to TPUS in a certain way based on the English alphabetical order. In the same way, PLQO is related to VRWU. To which of the following is RNSQ related, following the same logic?

- Ans**
- ☐ A. TXWY
 - ☒ B. XTYW
 - ☐ C. TXYW
 - ☐ D. XTWY

Q.57 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 letter-cluster pair 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. RT – NM
 - ☒ B. EG – AB
 - ☐ C. JL – FE
 - ☐ D. DF – ZY

Q.58 P, Q, R, S, T and U are sitting around a circular table facing the centre. U sits second to the right of R. Q sits second to the left of S. P is on the immediate left of Q. Who is sitting on the immediate left of T?

- Ans**
- ☒ A. R
 - ☒ B. S
 - ☒ C. U
 - ☒ D. Q

Q.59 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 is the letter-cluster that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

- Ans**
- ☒ A. TRU
 - ☒ B. ECF
 - ☒ C. PNQ
 - ☒ D. GFH

Q.60 If + means $\div$, $-$ means $\times$, $\times$ means $-$, and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$639 + 9 \times 6 - 44 \div 279 = ?$$

- Ans**
- ☒ A. 86
 - ☒ B. 81
 - ☒ C. 80
 - ☒ D. 89

Q.61 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 6 8 6 7 4 5 9 9 1 7 6 8 1 4 5 4 7 1 4 1 1 4 3 5 4 3 (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. 0
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 3

Q.62 What should come in place of the question mark (?) in the given series?

5 15 26 38 51 ?

- Ans**
- ☒ A. 65
 - ☒ B. 62
 - ☒ C. 63
 - ☒ D. 64

Q.63 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only).

(Left) 6 1 5 6 8 5 5 7 7 9 9 5 7 4 9 7 6 1 9 2 6 7 6 3 7 4 9 (Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☒ A. 1
☐ B. 3
☐ C. 0
☐ D. 2

Q.64 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O + P - T # G @ V'?

- Ans** ☐ A. Mother's mother
☒ B. Mother's sister
☐ C. Sister
☐ D. Mother

Q.65 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

29 B 6 C 243 A 9 D 33 = ?

- Ans** ☒ A. 168
☐ B. 173
☐ C. 166
☐ D. 171

Q.66 What should come in place of the question mark (?) in the given series?

747 740 732 723 713 ?

- Ans** ☒ A. 702
☐ B. 704
☐ C. 703
☐ D. 701

Q.67 In a certain code language, 'LOVE' is coded as '2436' and 'VALE' is coded as '3245'. What is the code for 'A' in the given code language?

- Ans** ☐ A. 4
☐ B. 3
☐ C. 2
☒ D. 5

Q.68 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(59, 71, 55)

(85, 97, 81)

Ans ☒ A. (117, 129, 114)

☒ B. (121, 133, 116)

☒ C. (78, 90, 76)

☒ D. (99, 111, 95)

Q.69 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % € € % 6 £ 3 & 1 £ 4 5 7 2 2 & & 9 & 8 8 * (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

Ans ☒ A. 3

☒ B. 5

☒ C. 6

☒ D. 4

Q.70 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 7 1 7 8 2 9 6 7 4 7 8 8 9 3 3 2 8 7 9 8 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans ☒ A. 4

☒ B. 1

☒ C. 3

☒ D. 2

Q.71 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 Pomegranates are Peaches.

Some Peaches are Lemons.

All Lemons are Figs.

Conclusions:

(I) Some Peaches are Figs.

(II) Some Pomegranates are Figs.

Ans ☒ A. Both conclusions (I) and (II) follow

☒ B. Neither conclusion (I) nor (II) follows

☒ C. Only conclusion (II) follows

☒ D. Only conclusion (I) follows

Q.72 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BTM 25 DVO 27 FXQ 29 HZS 31 ?

- Ans
- ☐ A. LBU 33
 - ☐ B. KCV 33
 - ☐ C. KDV 33
 - ☒ D. JBU 33

Q.73 A, B, C, D, E and F are sitting around a circular table facing the centre. D sits second to the left of B. E sits second to the right of F. C is on the immediate right of D. Who is sitting on the immediate left of A?

- Ans
- ☐ A. E
 - ☐ B. C
 - ☒ C. F
 - ☐ D. B

Q.74 In a row of 47 students facing north, Neha is 21st from the right end. If Kinjal is 8th to the left of Neha, what is Kinjal's position from the left end of the line?

- Ans
- ☐ A. 18th
 - ☒ B. 19th
 - ☐ C. 17th
 - ☐ D. 20th

Q.75 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BLS DNU FPW HRY ?

- Ans
- ☒ A. JTA
 - ☐ B. ISZ
 - ☐ C. JSZ
 - ☐ D. ITB

Q.76 What should come in place of the question mark (?) in the given series?

29 49 69 89 109 ?

- Ans
- ☒ A. 129
 - ☐ B. 121
 - ☐ C. 131
 - ☐ D. 119

Q.77 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

RK-NH-LO
TM-PJ-NQ

- Ans
- ☐ A. VO-RL-PT
 - ☐ B. WO-RL-PT
 - ☐ C. WO-SL-PT
 - ☒ D. VO-RL-PS

Q.78 If 'E' stands for '+', 'F' stands for '-', 'G' stands for '×' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

$$45 \text{ G } 3 \text{ E } 28 \text{ H } 7 \text{ F } 8 = ?$$

- Ans**
- ☐ A. 129
 - ☐ B. 133
 - ☐ C. 135
 - ☒ D. 131

Q.79 In a row of 50 students facing North, Shruti is 23rd from the left end. If Daksh is 17th to the right of Shruti, what is Daksh's position from the right end of the line?

- Ans**
- ☒ A. 11th
 - ☐ B. 10th
 - ☐ C. 9th
 - ☐ D. 12th

Q.80 D, E, F, G, L, M and N are sitting in a straight line, facing north.
Only two people sit to the right of D. Only two people sit between D and G. Only two people sit between E and F. F sits to the immediate left of D. N sits to the immediate right of M.

Who sits at the third position from the left end of the line?

- Ans**
- ☐ A. G
 - ☒ B. L
 - ☐ C. M
 - ☐ D. D

Section : General Awareness and Current Affairs

Q.81 Who earned the 'Game Changer' award at the Women's Football Awards, 2025?

- Ans**
- ☒ A. Anita Asante
 - ☐ B. Viviane Miedema
 - ☐ C. Bethany England
 - ☐ D. Keira Walsh

Q.82 Which cricketer was honoured with Padma Shri in 2025?

- Ans**
- ☐ A. Jasprit Bumrah
 - ☐ B. Virat Kohli
 - ☒ C. Ravichandran Ashwin
 - ☐ D. Rohit Sharma

Q.83 From 1 May 2025, which of the following portals did the Reserve Bank of India (RBI) mandate stakeholders to use?

- Ans**
- ☐ A. SEVA Portal
 - ☐ B. SAKSHAM Portal
 - ☐ C. VITARAN Portal
 - ☒ D. PRAVAAH Portal

Q.84 Where was the first-ever International Big Cat Alliance (IBCA) Assembly held in India in June 2025?

- Ans**
- ☐ A. Bhopal
 - ☒ B. New Delhi
 - ☐ C. Pune
 - ☐ D. Panaji

Q.85 Who among the following did Madison Keys defeat in the Australian Open 2025 final?

- Ans**
- ☐ A. Naomi Osaka
 - ☐ B. Ons Jabeur
 - ☒ C. Aryna Sabalenka
 - ☐ D. Elena Rybakina

Q.86 As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, published in June 2025, India's installed renewable energy capacity rose from 64.04 watts per capita in 2014–15 to 156.31 watts per capita in 2024–25. This growth primarily supports which Sustainable Development Goal (SDG)?

- Ans**
- ☐ A. SDG 12
 - ☒ B. SDG 7
 - ☐ C. SDG 9
 - ☐ D. SDG 13

Q.87 Which of the following airlines hosted the Power Creator Awards 2025?

- Ans**
- ☒ A. Air India
 - ☐ B. SpiceJet
 - ☐ C. IndiGo
 - ☐ D. Vistara

Q.88 As per the June 2025 India Child Protection report, what percentage of 44,902 rescued children were found in the worst forms of child labour?

- Ans**
- ☐ A. 75%
 - ☐ B. 60%
 - ☐ C. 50%
 - ☒ D. 90%

Q.89 What was India's overall score in the Corruption Perceptions Index (CPI) for the year 2024 released in February 2025?

- Ans**
- ☐ A. 43
 - ☐ B. 36
 - ☐ C. 41
 - ☒ D. 38

Q.90 The 51st G7 summit was held in which of the following countries in June 2025?

- Ans**
- ☒ A. Canada
 - ☐ B. Abu Dhabi
 - ☐ C. Germany
 - ☐ D. India

Q.91 Which scheme's Deep Tech vertical had launched nine projects by mid-2025, with industries collaborating through DRDO's Industry-Academia Centres of Excellence?

- Ans**
- ☐ A. ADITI Scheme
 - ☐ B. iDEX (Innovations for Defence Excellence)
 - ☒ C. Technology Development Fund (TDF)
 - ☐ D. Defence Testing Infrastructure Scheme (DTIS)

Q.92 Which of the following coaches received the Dronacharya Award for para-shooting in 2025?

- Ans**
- ☐ A. S Muralidharan
 - ☒ B. Subhash Rana
 - ☐ C. Sandeep Sangwan
 - ☐ D. Deepali Deshpande

Q.93 Who authored the book 'To the Seventh Generation: The Journey of Christian Medical College Vellore', released in January 2025?

- Ans**
- ☐ A. Dr. Devi Shetty
 - ☐ B. Prof. Romila Thapar
 - ☒ C. Dr. V I Mathan
 - ☐ D. Dr. Atul Gawande

Q.94 In May 2025, which state/union territory government approved five cloud-seeding trials at an outlay of ₹3.21 crore to combat air pollution?

- Ans**
- ☐ A. West Bengal
 - ☒ B. Delhi
 - ☐ C. Karnataka
 - ☐ D. Punjab

Q.95 Where was the first-ever national conference of Urban Local Body Chairpersons across Indian States and UTs inaugurated by the Lok Sabha Speaker Shri Om Birla in July 2025?

- Ans**
- ☐ A. Noida
 - ☐ B. Ahmedabad
 - ☒ C. Gurugram
 - ☐ D. Chandigarh

Q.96 When was the first Surya VHF radar reportedly handed over to the Indian Air Force?

- Ans**
- ☐ A. April 2025
 - ☐ B. February 2025
 - ☒ C. March 2025
 - ☐ D. January 2025

Q.97 What is the full form of RIMES, an intergovernmental body in news in 2025?

- Ans**
- ☐ A. Risk Information and Monitoring of Emergency Situations
 - ☒ B. Regional Integrated Multi-Hazard Early Warning System
 - ☐ C. Regional Institute for Meteorological and Environmental Studies
 - ☐ D. Research Initiative for Mitigating Environmental Shocks

Q.98 Which of the following insurance companies announced the adoption of the revised GST structure on all insurance products from 22 September 2025?

- Ans**
- ☐ A. ICICI Prudential Life Insurance Co. Ltd.
 - ☐ B. Kotak Life Insurance Co. Ltd.
 - ☒ C. HDFC Life Insurance Co. Ltd.
 - ☐ D. Sahara India Life Insurance Co. Ltd.

Q.99 Which student activist became the first SFI member to be elected sarpanch in Gujarat in June 2025?

- Ans**
- ☐ A. Ashish Rabari
 - ☒ B. Satyasha Leuva
 - ☐ C. Monika Gusain
 - ☐ D. Aayush Khatkar

Q.100 On 16 July 2025, India achieved a major milestone by successfully destroying two aerial high-speed unmanned targets at high altitude in Ladakh using the upgraded variant of the Akash Weapon System for the Indian Army called ____.

- Ans**
- ☒ A. Akash Prime
 - ☐ B. Akash Advanced
 - ☐ C. BrahMos
 - ☐ D. Pinaka



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	SANGWAN ACADEMY
Test Date	28/11/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 In reproductive health, the aim of contraception is _____.

- Ans**
- ☒ A. to make twin babies
 - ☒ B. to prevent unplanned pregnancies
 - ☒ C. to have more babies
 - ☒ D. to make babies healthy

Q.2 Which of the following correctly explains why gases can be compressed easily compared to solids and liquids?

- Ans**
- ☒ A. Gases have low kinetic energy
 - ☒ B. Gases have high mass and density
 - ☒ C. Gases have loosely packed particles with large intermolecular spaces
 - ☒ D. Gases do not occupy space

Q.3 A poultry farmer wants birds that consume less feed, tolerate high heat, and produce quality chicks. Which strategy should he follow?

- Ans**
- ☒ A. Feed birds twice a day
 - ☒ B. Use only indigenous birds
 - ☒ C. Shift to fish farming
 - ☒ D. Cross-breed exotic and local poultry

Q.4 Which of the following sexually transmitted diseases is caused by a bacterium?

- Ans**
- ☒ A. Typhoid
 - ☒ B. Warts
 - ☒ C. HIV-AIDS
 - ☒ D. Gonorrhoea

Q.5 Which of the following statements is true according to Thomson's Model of Atom?

- Ans**
- ☒ A. Electrons are fixed in the orbits.
 - ☒ B. Electrons are spread randomly in a positively charged sphere.
 - ☒ C. Electrons are attached to neutrons.
 - ☒ D. Electrons are concentrated in the nucleus.

Q.6 Why does growth in plants occur only in specific regions?

- Ans**
- ☐ A. Gravity prevents growth in certain regions.
 - ☒ B. Meristematic tissue is located only in specific regions.
 - ☐ C. Water reaches only the upper parts of the plant.
 - ☐ D. Only some parts of the plant receive sunlight.

Q.7 Archimedes' principle states that when a body is immersed in a fluid, it experiences

- Ans**
- ☒ A. An upward force equal to the weight of fluid displaced by the body
 - ☐ B. An upward force equal to the weight of the body
 - ☐ C. No change in its weight
 - ☐ D. A downward force equal to the weight of fluid displaced by the body

Q.8 The plant cell wall is primarily composed of:

- Ans**
- ☒ A. cellulose
 - ☐ B. suberin
 - ☐ C. N-Acetyl glucosamine
 - ☐ D. chitin

Q.9 Two resistors of $15\ \Omega$ and $5\ \Omega$ are connected in series with a 12 V battery. How much current will flow in the circuit?

- Ans**
- ☒ A. 0.6 A
 - ☐ B. 0.45 A
 - ☐ C. 0.5 A
 - ☐ D. 0.65 A

Q.10 Which of the following is a process in which absorbed substances from alimentary canal is transported to different organs where they are used to build complex substances?

- Ans**
- ☐ A. Photosynthesis
 - ☐ B. Transpiration
 - ☒ C. Assimilation
 - ☐ D. Digestion

Q.11 Which of the following equations of motion is independent of the final velocity of a particle?

- Ans**
- ☐ A. $v = ut + a$
 - ☒ B. $s = ut + \frac{1}{2}at^2$
 - ☐ C. $v^2 - u^2 = 2as$
 - ☐ D. $v = u + at$

Q.12 In the context of carbon compounds, what characterises a 'branched chain' structure?

- Ans**
- ☐ A. Carbon atoms are arranged in a continuous, straight line.
 - ☐ B. Carbon atoms form a closed ring structure.
 - ☒ C. Carbon atoms are attached to the main carbon chain, forming side groups.
 - ☐ D. Carbon atoms are bonded to four different atoms.

Q.13 Which of the following statements is/are correct?

- a. Olfactory indicators are used to check the acidic or basic nature of a compound.
- b. Clove oil is an olfactory indicator.
- c. Clove oil is used to check the purity of any compound.

Ans ☒ A. a only
☒ B. a and c only
☒ C. a, b and c
☒ D. a and b only

Q.14 Which of the following is a characteristic property of a material?

Ans ☒ A. Voltage
☒ B. Resistance
☒ C. Resistivity
☒ D. Current

Q.15 What is the effective diameter of the circular outline of a spherical lens called?

Ans ☒ A. Radius of curvature
☒ B. Aperture
☒ C. Focal length
☒ D. Optical centre

Q.16 Ethanol on heating at 443 K in excess concentrated sulphuric acid gives ethene. The chemical change taking place is:

Ans ☒ A. dehydration
☒ B. halogenation
☒ C. oxidation
☒ D. reduction

Q.17 Which of the following statements best explains why hormonal contraceptive pills can have side effects?

Ans ☒ A. They destroy the egg inside the ovary.
☒ B. They disrupt the natural hormonal balance, affecting other physiological functions.
☒ C. They interfere with the body's immune system.
☒ D. They prevent the sperm from reaching the egg mechanically.

Q.18 A bullet of small mass and high velocity can penetrate a target deeper than a heavy stone thrown at the same speed because:

Ans ☒ A. it is smaller in size
☒ B. it is sharper
☒ C. it has greater mass
☒ D. it has less inertia

Q.19 What is the product formed when ethene reacts with bromine?

Ans ☒ A. 1,2-dibromoethane
☒ B. Ethane
☒ C. Ethanol
☒ D. Bromoethane

Q.20 Which of the following correctly identifies an element that DOES NOT exist as a molecule in nature?

- Ans** A. Helium
B. Hydrogen
C. Chlorine
D. Iodine

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.21 Consider a ray of light travelling obliquely from air into a glass slab. Which of the following statement(s) is/are true?

- (i) The angle of incidence is smaller than the angle of refraction.
(ii) The angle of incidence is greater than the angle of emergence.
(iii) The speed of light decreases as the light ray enters from air to glass.
(iv) The incident ray and the emergent ray are parallel to each other.

- Ans** ☒ A. Both (ii) and (iii)
☒ B. Both (i) and (iv)
☒ C. Both (i) and (ii)
☒ D. Both (iii) and (iv)

Q.22 Which of the following metals is purified by distillation?

- Ans** ☒ A. Zinc
☒ B. Silver
☒ C. Copper
☒ D. Iron

Q.23 What happens when a pendulum bob swings from its mean position to extreme position?

- Ans** ☒ A. Potential energy decreases, kinetic energy increases
☒ B. Total energy decreases
☒ C. Both kinetic and potential energies increase
☒ D. Potential energy increases, kinetic energy decreases

Q.24 Which of the following is/are NOT consequence(s) of large dams?

- Ans** ☒ A. Deforestation
☒ B. Economic problems
☒ C. Social problems
☒ D. Afforestation

Q.25 Select the correct option regarding the following two statements labelled Assertion and Reason.

Assertion: Sound waves are non-mechanical waves.

Reason: Sound waves require a material medium for their propagation.

- Ans** ☒ A. Assertion is false but reason is true.
☒ B. Both assertion and reason are true and reason is the correct explanation of assertion.
☒ C. Assertion is true but reason is false.
☒ D. Both assertion and reason are false.

Q.26 If an item marked at ₹594 is sold for ₹155, then what is the discount percentage? (Round off your answer to two decimal places).

- Ans**
- ☒ A. 72.91%
 - ☒ B. 73.91%
 - ☒ C. 77.24%
 - ☒ D. 74.35%

Q.27 The marked price of a bench is ₹374, which is 22% above the cost price. If the profit percentage is 13%, find the discount percentage (rounded off to two decimal places).

- Ans**
- ☒ A. 6.94%
 - ☒ B. 7.38%
 - ☒ C. 8.91%
 - ☒ D. 6.66%

Q.28 What would be the annual interest accrued on a deposit of ₹95,950 in a bank that pays a 9% per annum rate of simple interest?

- Ans**
- ☒ A. ₹8,635.50
 - ☒ B. ₹8,855.50
 - ☒ C. ₹8,035.50
 - ☒ D. ₹8,455.50

Q.29 The average age of 35 students of a class is 46 years. If the age of the teacher is also included, the average age of the whole group becomes 47 years. The age (in years) of the teacher is:

- Ans**
- ☒ A. 83
 - ☒ B. 84
 - ☒ C. 82
 - ☒ D. 85

Q.30 A water tank is $\frac{5}{8}$ full. If 12 buckets of water are taken out and 9 buckets are added, the tank becomes $\frac{1}{2}$ full. Find the number of buckets the water tank can contain.

- Ans**
- ☒ A. 60
 - ☒ B. 48
 - ☒ C. 72
 - ☒ D. 96

Q.31 If the total surface area of a cylinder is 4 times the area of two circular faces, and the volume of the cylinder is $192\pi\text{ cm}^3$, then the height of the cylinder is:

- Ans**
- ☒ A. 16 cm
 - ☒ B. 8 cm
 - ☒ C. 9 cm
 - ☒ D. 12 cm

Q.32 A and B working together can do a piece of work in 4 days. B alone can do the same work in 8 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☒ A. 17
 - ☒ B. 8
 - ☒ C. 19
 - ☒ D. 16

Q.33 The price of fuel decreases by 20%, 30% and 20% in three successive months but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans**
- ☐ A. Decreases by 33.02%
 - ☐ B. Increases by 36.01%
 - ☐ C. Increases by 41.98%
 - ☒ D. Decreases by 37.28%

Q.34 If 20% of a number is added to 96, then the result is the same number. 75% of the same number is:

- Ans**
- ☐ A. 110
 - ☒ B. 90
 - ☐ C. 100
 - ☐ D. 120

Q.35 Simplify: $(2x + 3)(x - 5) - (x - 2)(3x + 4)$

- Ans**
- ☐ A. $-x^2 - 5x + 7$
 - ☐ B. $x^2 - 5x - 7$
 - ☐ C. $-x^2 + 5x - 7$
 - ☒ D. $-x^2 - 5x - 7$

Q.36 A point on the ground is at a distance equal to $\sqrt{3}$ times the height of between the line joining the point to the top of the building and the ground.

- Ans**
- ☐ A. 60°
 - ☒ B. 30°
 - ☐ C. 45°
 - ☐ D. 90°

Q.37 A class of 100 students took a Physics test. 37 students had an average score of 84. The other students had an average score of 96. What is the average score (rounded off to one decimal place) of the whole class?

- Ans**
- ☐ A. 89.7
 - ☐ B. 85.5
 - ☒ C. 91.6
 - ☐ D. 97.5

Q.38 A metal rod is divided into three parts, A, B and C. The lengths of A and B are in the ratio 4 : 8, and the lengths of C and B are in the ratio 10 : 18. If the difference between the lengths of A and C is 48 cm, determine the total length (in cm) of the metal rod.

- Ans**
- A. 1782
 - B. 1798
 - C. 1764
 - D. 1176

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.39 In a bag containing red, green and pink tokens, the ratio of red to green tokens was 9 : 6, while the ratio of pink to red tokens was 18 : 16. What was the ratio of green to pink tokens?

- Ans**
- ☐ A. 17 : 28
 - ☐ B. 15 : 23
 - ☒ C. 16 : 27
 - ☐ D. 14 : 31

Q.40 A field in the shape of a trapezium has parallel sides of 60 m and 77 m. The non-parallel sides are 25 m and 26 m. What is the area of the field?

- Ans**
- ☐ A. 1,524 m²
 - ☒ B. 1,644 m²
 - ☐ C. 1,720 m²
 - ☐ D. 1,812 m²

Q.41 P is any point inside the rectangle ABCD. If PA = 79 cm, PB = 61 cm and PC = 17 cm, then the length of PD (in cm) is equal to:

- Ans**
- ☐ A. 57
 - ☐ B. 54
 - ☐ C. 48
 - ☒ D. 53

Q.42 Simplify: $((342 \div 19 \times 306 \div 17) \div 36 \times 6) + (60 \div 5 \times 2 - 12)$

- Ans**
- ☐ A. 46
 - ☐ B. 76
 - ☒ C. 66
 - ☐ D. 56

Q.43 If the ratio of the present ages of Parul and her mother is 5 : 13 and the product of their ages is 585, find the ratio of their ages after 9 years.

- Ans**
- ☒ A. 1 : 2
 - ☐ B. 4 : 7
 - ☐ C. 3 : 5
 - ☐ D. 2 : 5

Q.44 The ratio of the speeds of two trucks is 7 : 3. The time taken by the faster truck to cover a distance of 147 km is 7 hours less than the other. Find the speed of the slower truck.

- Ans**
- ☐ A. 22 km/hr
 - ☐ B. 4 km/hr
 - ☐ C. 9 km/hr
 - ☒ D. 12 km/hr

Q.45 A can complete a piece of work in 77 days. B is 75% less efficient than A. C is 40% more efficient than B. If B and C work together for 30 days, A alone will complete the remaining work in:

- Ans**
- ☐ A. 60 days
 - ☐ B. 57 days
 - ☐ C. 54 days
 - ☒ D. 59 days

Q.46 A camp has provisions for 48 persons for 12 days. In how many days will the same provisions finish off if the strength of the camp is increased to 72 persons?

- Ans**
- ☐ A. 11
 - ☐ B. 6
 - ☒ C. 8
 - ☐ D. 7

Q.47 A trader buys 80 pens at ₹8 each. He sells 60 of them at ₹12 each and the remaining at a 25% loss. What is the overall profit or loss?

- Ans**
- ☐ A. ₹240 Loss
 - ☐ B. ₹210 Profit
 - ☒ C. ₹200 Profit
 - ☐ D. ₹200 Loss

Q.48 Two trains are moving in opposite directions at speeds of 100 km/hr and 140 km/hr. The length of one train is 490 m. The time taken by them to cross each other is 22 seconds. The length (in m) of the other train, rounded off to 2 decimal places, is:

- Ans**
- ☐ A. 972.33
 - ☐ B. 974.27
 - ☐ C. 982.47
 - ☒ D. 976.67

Q.49 The price of a shirt is first increased by 18% and then decreased by 18%. What is the overall percentage decrease in its price?

- Ans**
- ☐ A. 2.98%
 - ☐ B. 2.89%
 - ☐ C. 3.45%
 - ☒ D. 3.24%

Q.50 The ratio of two numbers is 2 : 3 and their HCF is 6. Find their LCM.

- Ans**
- ☐ A. 32
 - ☐ B. 12
 - ☒ C. 36
 - ☐ D. 18

Section : General Intelligence and Reasoning

Q.51 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VDE97, BJK74, HPQ51, NVW28, ?

- Ans**
- ☒ A. TBC5
 - ☐ B. TBG5
 - ☐ C. IBC5
 - ☐ D. TUC5

Q.52 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?

25 C 15 A 3 D 9 B 3 = ?

- Ans**
- ☒ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 2

Q.53 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. F sits second to the right of B. A sits third to the left of F. C is the immediate neighbour of E and A. G is not an immediate neighbour of B. How many people sit between D and E when counted from the left of D?

- Ans**
- ☐ A. Two
 - ☐ B. One
 - ☐ C. Four
 - ☒ D. Three

Q.54 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only six people sit to the right of C. Only four people sit to the left of B. D sits to the left of A but right of B. F sits second to the right of G. How many people sit to the right of E?

- Ans**
- ☒ A. Four
 - ☐ B. Two
 - ☐ C. Three
 - ☐ D. One

Q.55 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) © @ 7 € \$ 5 \$ & * & 7 5 2 \$ 8 \$ © 7 © 4 6 £ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ A. Two
 - ☒ B. Three
 - ☐ C. Five
 - ☐ D. Four

Q.56 What should come in place of the question mark (?) in the given series?

510 511 500 501 491 492 ?

- Ans**
- ☒ A. 483
 - ☐ B. 481
 - ☐ C. 490
 - ☐ D. 482

Q.57 Leander starts from Point A and drives 6 km towards east. He then takes a left turn, drives 4 km, turns left and drives 3 km. He then takes a right turn and drives 3 km. He takes a final left turn, drives 3 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 degrees turns only unless specified)

- Ans**
- ☐ A. 6 km towards west
 - ☒ B. 7 km towards south
 - ☐ C. 6 km towards north
 - ☐ D. 3 km towards south

Q.58 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(22, 66, 61)
(35, 105, 100)

- Ans** ☒ A. (74, 222, 216)
☒ B. (14, 42, 37)
☒ C. (41, 123, 117)
☒ D. (85, 255, 249)

Q.59 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WASH - HSWA - WSAH
CORE - ERCO - CROE

- Ans** ☒ A. FINE - ENFI - INFE
☒ B. LEAP - LAEP - PAEL
☒ C. INKS - SKIN - IKNS
☒ D. DARE - ARDE - ARED

Q.60 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: All Tractors are Motorcycles. Some Motorcycles are Minivans. No Minivans are Hovercrafts.

Conclusion (I): Some Hovercrafts are Motorcycles

Conclusion (II): Some Minivans are Tractors

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

Q.61 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

PI-MF-KN
SL-PI-NQ

- Ans** ☒ A. VO-SL-QU
☒ B. WO-SK-QU
☒ C. WO-SL-QU
☒ D. VO-SL-QT

Q.62 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) ? * + ? \ & 3 # 9 % 4 1 6 * @ 5 4 8 8 \$ \ (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.63 In a code language,
A + B means 'A is the sister of B'
A - B means 'A is the father of B'
A * B means 'A is the brother of B'
A ÷ B means 'A is the mother of B'
Based on the above, how is P related to E if 'P - T * C + D ÷ E'?

- Ans**
- ☒ A. Mother's father
 - ☒ B. Mother's brother
 - ☒ C. Father's father
 - ☒ D. Brother

Q.64 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 letter-cluster pair 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. HM-ZW
 - ☒ B. WC-OL
 - ☒ C. BH-TQ
 - ☒ D. SY-KH

Q.65 60 people are standing in a row facing north. Shivani is 40th from the right end while Sneha is 26th from the left end. How many people are there between Shivani and Sneha?

- Ans**
- ☒ A. 1
 - ☒ B. 2
 - ☒ C. 4
 - ☒ D. 3

Q.66 Each of the digits in the number 1732596 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. Two
 - ☒ B. None
 - ☒ C. Three
 - ☒ D. One

Q.67 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 is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. STP
 - ☒ B. WXT
 - ☒ C. UWR
 - ☒ D. QRN

Q.68 In a certain code language, 'steak equal thing' is coded as 'wb vl yn' and 'thing yard house' is coded as 'vl za ha'. How is 'thing' coded in the given language?

- Ans**
- ☒ A. vl
 - ☒ B. yn
 - ☒ C. za
 - ☒ D. wb

Q.69 What should come in place of the question mark (?) in the given series?

12 ? 29 39 50 62

- Ans**
- ☒ A. 20
 - ☒ B. 22
 - ☒ C. 18
 - ☒ D. 16

Q.70 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 conclusion(s) logically follow(s) from the statements.

Statements:

All flowers are plants.

Some plants are trees.

Conclusions:

(I) Some trees are flowers.

(II) All flowers are trees.

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

Q.71 HN 9 is related to LK -3 in a certain way. In the same way, NY 4 is related to RV -8. To which of the given options is OU 13 related, following the same logic?

- Ans**
- ☒ A. TY 2
 - ☒ B. SR 1
 - ☒ C. HU 5
 - ☒ D. HY 3

Q.72 In a certain code language, 'OVAL' is coded as '6729' and 'LEVO' is coded as '7946'. What is the code for 'E' in the given code language?

- Ans**
- ☒ A. 4
 - ☒ B. 6
 - ☒ C. 7
 - ☒ D. 9

Q.73 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '-' and 'x' are interchanged?

$$850 + 34 \times 15 - 12 \div 400 = ?$$

- Ans**
- ☐ A. 239
 - ☐ B. 233
 - ☒ C. 245
 - ☐ D. 240

Q.74 Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. No one sits to the left of K. Only four people sit between K and J. L sits second to the left of J. D sits to the immediate left of B. C is not an immediate neighbour of L. How many people sit between L and C?

- Ans**
- ☐ A. Four
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. One

Q.75 What should come in place of the question mark (?) in the given series?

36 41 51 66 86 ?

- Ans**
- ☒ A. 111
 - ☐ B. 117
 - ☐ C. 100
 - ☐ D. 107

Q.76 Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 2 8 1 5 7 9 4 2 3 8 6 1 (Right)

How many such odd numbers are there (from left to right) which are immediately followed by an even number?

- Ans**
- ☐ A. More than three
 - ☒ B. Two
 - ☐ C. One
 - ☐ D. Three

Q.77 Piya starts from point A and drives 33 km towards south. She then takes a right turn, drives 45 km, turns right and drives 41 km. She then takes a right turn and drives 56 km. She takes a final right turn, drives 8 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 13 km to the east
 - ☐ B. 12 km to the east
 - ☐ C. 10 km to the west
 - ☒ D. 11 km to the west

Q.78 Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 9 1 6 3 7 4 1 8 5 9 2 (Right)

How many such even numbers are there (from left to right), which are immediately followed by an even number?

- Ans**
- ☐ A. One
 - ☒ B. None
 - ☐ C. Two
 - ☐ D. Three

Q.79 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DWV LED TML BUT ?

- Ans**
- ☒ A. JCB
 - ☐ B. JBC
 - ☐ C. JIO
 - ☐ D. IBH

Q.80 Yogesh ranked 34th from the top and 38th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 72
 - ☒ B. 71
 - ☐ C. 73
 - ☐ D. 70

Section : General Awareness and Current Affairs

Q.81 What is the new domain to which all banks must migrate by October 31, 2025, as per the directive of the Reserve Bank of India?

- Ans**
- ☐ A. .rbi.in
 - ☐ B. .gov.in
 - ☒ C. .bank.in
 - ☐ D. .fin.in

Q.82 What is the name of the Mega Disaster Management Drill conducted in the Delhi-NCR (National Capital Region) from 29 July to 1 August 2025?

- Ans**
- ☐ A. Exercise Disaster Mitra
 - ☐ B. Exercise Surakshit Bharat
 - ☒ C. Exercise Suraksha Chakra
 - ☐ D. Exercise Raksha Kavach

Q.83 Which border check-post of India and Pakistan was closed by the Government of India, following the Pahalgam terror attack in April 2025?

- Ans**
- ☐ A. Radcliffe Line
 - ☐ B. Ganda Singh Wala-Hussainiwala border
 - ☐ C. Khokhrapar-Munabao border
 - ☒ D. Attari-Wagah border

Q.84 Who received the UNESCO/Guillermo Cano World Press Freedom Prize in May 2025?

- Ans
- ☐ A. Maria Ressa
 - ☐ B. Narges Mohammadi
 - ☐ C. Mazen Darwish
 - ☒ D. La Prensa

Q.85 In 2025, where has India's first zoo-based wildlife bio bank been established?

- Ans
- ☐ A. Nandankanan Zoological Park
 - ☒ B. Padmaja Naidu Himalayan Zoological Park
 - ☐ C. Mahendra Chaudhury Zoological Park
 - ☐ D. Nehru Zoological Park

Q.86 As notified in June 2025, which among the following launched India's first-of-its-kind premium financing solution tailored for corporate insurance?

- Ans
- ☐ A. Reliance Nippon Life Insurance
 - ☐ B. Credit Access Life Insurance
 - ☒ C. BimaPay Finsure
 - ☐ D. JM Financial Mutual Fund

Q.87 Which team was the runner-up in the 2025 Kalinga Super Cup?

- Ans
- ☐ A. Bengaluru FC
 - ☐ B. Kerala Blasters FC
 - ☐ C. Hyderabad FC
 - ☒ D. Jamshedpur FC

Q.88 Which team was honoured as "Team of the Year" at the Laureus World Sports Awards in April 2025?

- Ans
- ☐ A. Manchester City
 - ☐ B. Bayern Munich
 - ☐ C. Flamengo
 - ☒ D. Real Madrid

Q.89 Who announced the ₹50,000 mass marriage incentive scheme for minorities in the Karnataka 2025-26 state budget?

- Ans
- ☐ A. DK Shivakumar
 - ☐ B. BS Yediyurappa
 - ☐ C. Basavaraj Bommai
 - ☒ D. Siddaramaiah

Q.90 In 2025, a state-of-the-art automated healthcare machine, a self-service digital health kiosk for basic testing and diagnostics, was installed at Lucknow. What is it called?

- Ans
- ☒ A. Health ATM
 - ☐ B. Health Pod
 - ☐ C. Med Kiosk
 - ☐ D. e-Clinic Booth

Q.91 In July 2025, which investigative authority unearthed over ₹24 crore in unaccounted assets in Karnataka?

- Ans
- ☐ A. Enforcement Directorate
 - ☐ B. Central Bureau of Investigation
 - ☐ C. Income Tax Department
 - ☒ D. Karnataka Lokayukta

Q.92 In March 2025, under which of the following schemes did the government identify 100 coastal fishermen villages to be developed into Climate-Resilient Coastal Fishermen Villages?

- Ans**
- ☐ A. Kisan Samman Nidhi Yojana (KSNY)
 - ☐ B. National Coastal Mission
 - ☒ C. Pradhan Mantri Matsya Sampada Yojana (PMMSY)
 - ☐ D. Blue Revolution Yojana

Q.93 Who became the 52nd Chief Justice of India on 14 May 2025?

- Ans**
- ☒ A. Bhushan Ramkrishna Gavai
 - ☐ B. Sanjiv Khanna
 - ☐ C. Madan Lokur
 - ☐ D. Bidyut Ranjan Sarangi

Q.94 When was the Retired Sportsperson Empowerment Training (RESET) Programme officially launched by the Ministry of Youth Affairs and Sports?

- Ans**
- ☒ A. 2024
 - ☐ B. 2022
 - ☐ C. 2025
 - ☐ D. 2023

Q.95 Who set the world record for the farthest distance swum in 48 hours (female) in a 25 m pool, covering an astonishing 149.02 km (92.59 miles) in just 2 days?

- Ans**
- ☒ A. Karolina Szczepaniak
 - ☐ B. Diana Nyad
 - ☐ C. Sarah Thomas
 - ☐ D. Katie Ledecky

Q.96 According to the World Happiness Report, 2025, released in March 2025, which of the following countries ranked as the happiest country in the world?

- Ans**
- ☐ A. Canada
 - ☐ B. Switzerland
 - ☐ C. New Zealand
 - ☒ D. Finland

Q.97 As informed by Union Minister Dr. Jitendra Singh on 1 January 2025, India's biotechnology sector has experienced extraordinary growth, skyrocketing from a \$10 billion industry in 2014 to over ____ in 2024.

- Ans**
- ☐ A. \$100 billion
 - ☒ B. \$130 billion
 - ☐ C. \$80 billion
 - ☐ D. \$140 billion

Q.98 In 2025, the World Hindi Day was celebrated in India on which date?

- Ans**
- ☐ A. 9 May
 - ☐ B. 21 February
 - ☒ C. 10 January
 - ☐ D. 17 February

Q.99 What is the name of the initiative launched by Union Ministry of Tribal Affairs in June 2025, which is aimed at strengthening the delivery of tribal welfare schemes by training and inspiring a new generation of dedicated implementers?

- Ans**
- ☒ A. Adi Karmyogi
 - ☐ B. Adi Varnada
 - ☐ C. Adi Gotra
 - ☐ D. Adi Vamsha

Q.100 According to the StartupBlink Global Startup Ecosystem Index, 2025, which Indian city is top ranked among the world's top startup cities in 2025?

- Ans**
- ☐ A. Pune
 - ☐ B. Hyderabad
 - ☒ C. Bengaluru
 - ☐ D. Delhi



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Yagyavalkya Institute of Technology
Test Date	28/11/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following metallic oxides can be reduced to metals by heating alone?

- Ans**
- ☒ A. Manganese oxide
 - ☒ B. Iron (III) oxide
 - ☒ C. Mercuric oxide
 - ☒ D. Zinc oxide

Q.2 Which of the following metals reacts most vigorously with water?

- Ans**
- ☒ A. Lead
 - ☒ B. Iron
 - ☒ C. Zinc
 - ☒ D. Sodium

Q.3 Which of the following statements about cell size is correct?

- Ans**
- ☒ A. Cell size is always large in multicellular organisms.
 - ☒ B. Cell size depends on the number of nuclei.
 - ☒ C. Cell size is related to its function, not the size of the organism.
 - ☒ D. All cells are of the same size in all organisms.

Q.4 Colloidal particles are separated by:

- Ans**
- ☒ A. boiling
 - ☒ B. filtration
 - ☒ C. recrystallisation
 - ☒ D. centrifugation

Q.5 How is molecular mass calculated?

- Ans**
- ☒ A. Adding all atomic masses of the atoms in molecule
 - ☒ B. Multiplying atomic radii of constituent elements
 - ☒ C. By squaring atomic numbers of all elements
 - ☒ D. Adding all atomic volumes of the atoms present

Q.6 Which of the following meristems is responsible for the lengthwise growth at the ends of shoots and roots?

- Ans**
- ☐ A. Intercalary meristem
 - ☒ B. Apical meristem
 - ☐ C. Lateral meristem
 - ☐ D. Permanent meristem

Q.7 As Newton is to weight, _____ is to pressure.

- Ans**
- ☐ A. Kelvin
 - ☒ B. Pascal
 - ☐ C. Kilogram per cubic metre
 - ☐ D. Kilogram

Q.8 Which of the following statements are NOT true regarding the principal axis of a spherical mirror?

- (i) It is an imaginary straight line passing through the pole and the centre of curvature of a spherical mirror.
- (ii) Principal axis is normal to the mirror at its pole.
- (iii) A ray parallel to the principal axis after reflection from the mirror passes through the centre of curvature of the mirror.
- (iv) The focus of a spherical mirror does not lie on its principal axis.

- Ans**
- ☐ A. Both (i) and (iv)
 - ☒ B. Both (iii) and (iv)
 - ☐ C. Both (i) and (ii)
 - ☐ D. Both (ii) and (iii)

Q.9 A fluid filled in a container exerts pressure _____ at the same height.

- Ans**
- ☐ A. only upward
 - ☒ B. equally in all directions of the container
 - ☐ C. only downward
 - ☐ D. only on the sides

Q.10 A person pushes a massive, stationary object (like a parked truck) with force F . The object pushes back with force $-F$. Why does the object NOT accelerate if the reaction force is equal and opposite, as suggested by the Third Law?

- Ans**
- ☐ A. The net force on the object is zero because the action and reaction forces cancel out.
 - ☒ B. The action and reaction forces act on different objects, but the static friction on the stationary object balances the applied push force F .
 - ☐ C. The magnitude of the force F is insufficient to overcome the object's inherent potential energy.
 - ☐ D. The forces act instantaneously, preventing momentum change.

Q.11 What is the relationship between the incident ray and the emergent ray after light passes through the two parallel opposite faces of a rectangular glass slab?

- Ans**
- ☒ A. The emergent ray is parallel to the direction of the incident ray, but shifted sideward slightly
 - ☐ B. The emergent ray converges to a point on the principal axis
 - ☐ C. The emergent ray is perpendicular to the incident ray
 - ☐ D. The emergent ray is reflected back along the path of the incident ray

Q.12 How does the sound of a patient's heartbeat travel from the chest piece to the doctor's ear through a stethoscope?

- Ans**
- ☐ A. By refraction of sound waves
 - ☐ B. By direct transmission without reflection
 - ☒ C. By multiple reflection of sound
 - ☐ D. By conversion to electrical signals

Q.13 Match the common name of the bee with its scientific name.

Column I (Common Name).

Column II (Scientific Name)

- | | |
|----------------|------------------------------|
| 1. Indian bee | A. <i>Apis mellifera</i> |
| 2. Rock bee | B. <i>Apis cerana indica</i> |
| 3. Little bee | C. <i>Apis dorsata</i> |
| 4. Italian bee | D. <i>Apis florae</i> |

- Ans**
- ☒ A. 1-B, 2-C, 3-D, 4-A
 - ☐ B. 1-A, 2-B, 3-C, 4-D
 - ☐ C. 1-C, 2-D, 3-B, 4-A
 - ☐ D. 1-D, 2-A, 3-C, 4-B

Q.14 Work done by a force is said to be positive when:

- Ans**
- ☐ A. the displacement of the body is zero
 - ☐ B. the force opposes the motion of the body
 - ☒ C. the force has a component in the direction of displacement
 - ☐ D. the angle between force and displacement is 90°

Q.15 Which process is used to prepare sodium hydroxide from brine?

- Ans**
- ☒ A. Electrolysis of brine
 - ☐ B. Solvay process
 - ☐ C. Haber process
 - ☐ D. Thermal decomposition of NaCl

Q.16 Which organelle is called the 'suicidal bag' of the cell?

- Ans**
- ☐ A. Golgi body
 - ☒ B. Lysosome
 - ☐ C. Mitochondria
 - ☐ D. Ribosome

Q.17 When solid lead(II) nitrate is heated, a yellow residue (PbO) is left behind and two gases are evolved — one is reddish-brown and the other supports combustion. Which gases are evolved?

- Ans**
- ☒ A. Nitrogen dioxide and oxygen
 - ☐ B. Nitric oxide and oxygen
 - ☐ C. Nitrogen gas and carbon dioxide
 - ☐ D. Nitrogen dioxide and hydrogen

Q.18 Which of the following is NOT a contraceptive method?

- Ans**
- ☒ A. Aborting the foetus
 - ☐ B. Inserting Copper-T into the uterus
 - ☐ C. Preventing sperm from reaching the egg by using condoms
 - ☐ D. Altering hormonal balance to prevent release of eggs from the ovary

Q.19 Which one of the following is an advantage of vegetative propagation in flowering plants?

- Ans**
- ☐ A. They are completely different from their parent plants.
 - ☐ B. They can show completely new characters than those produced by seeds.
 - ☒ C. They can flower and fruit earlier than those produced by seeds.
 - ☐ D. They can flower and fruit later than those produced by seeds.

Q.20 What is the purpose of a plug key in an electrical circuit?

- Ans**
- ☐ A. It measures the current flowing through a circuit.
 - ☐ B. It provides potential difference in a circuit.
 - ☒ C. It helps in connecting and disconnecting a circuit.
 - ☐ D. It measures the potential difference in a circuit.

Q.21 Which of the following methods is commonly used to prevent the corrosion of iron?

- Ans**
- ☐ A. Dissolving the metal in acid
 - ☐ B. Cooling the metal with water regularly
 - ☒ C. Coating the metal with paint or oil
 - ☐ D. Heating the metal repeatedly

Q.22 In Mendel's experiment, what did he observe in the F1 generation when he crossed a tall (TT) and a short pea (tt) plant?

- Ans**
- ☐ A. All were medium height
 - ☒ B. All were tall
 - ☐ C. Half were tall, half was short
 - ☐ D. All were short

Q.23 At higher levels of the atmosphere, which of the following shields the surface of the earth from ultraviolet radiation?

- Ans**
- ☐ A. Nitrogen
 - ☐ B. Hydrogen
 - ☒ C. Ozone
 - ☐ D. Carbon

Q.24 Which of the following correctly describes how potential difference between two points is calculated?

- Ans**
- ☒ A. Potential difference = Work done ÷ Charge
 - ☐ B. Potential difference = Work done × Potential energy
 - ☐ C. Potential difference = Charge ÷ Work done
 - ☐ D. Potential difference = Charge × Work done

Q.25 The shortest distance between the initial and final positions of an object is called _____.

- Ans**
- ☐ A. acceleration
 - ☐ B. distance
 - ☒ C. displacement
 - ☐ D. speed

Q.26 The arithmetic mean of the observations 29, 48, 65, 32, 72, 63, 64, 18 and 14 is:

- Ans ☐ A. 40
☒ B. 45
☐ C. 38
☐ D. 43

Q.27 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 60% and that of the TV decreases by 11%, what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- Ans ☒ A. Increase by 31.6%
☐ B. Decrease by 33%
☐ C. Increase by 26%
☐ D. Decrease by 29%

Q.28 The ratio of the present ages of Anu and Bina is 4 : 5. After 6 years from now, the ratio becomes 5 : 6. Find Bina's present age (in years).

- Ans ☐ A. 20
☒ B. 30
☐ C. 25
☐ D. 32

Q.29 For a trip of 600 km, a truck travels the first 300 km at a speed of 40 km/hr. At what speed (in km/hr) should it cover the remaining distance, so that the average speed is 70 km/hr?

- Ans ☐ A. 295
☒ B. 280
☐ C. 260
☐ D. 255

Q.30 A metal rod is divided into three parts, A, B and C. The lengths of A and B are in the ratio 9 : 14, while the lengths of C and B are in the ratio 10 : 13. If the difference between the lengths of A and C is 23 cm, find the total length (in cm) of the metal rod.

- Ans ☒ A. 439
☐ B. 455
☐ C. 424
☐ D. 429

Q.31 The marked price of a bookshelf is ₹572, which is 40% above the cost price. If the profit percentage is 2%, find the discount percentage (rounded off to two decimal places).

- Ans ☐ A. 28.83%
☐ B. 25.22%
☒ C. 27.14%
☐ D. 29.72%

Q.32 Find the value of $\sin 45^\circ \times \operatorname{cosec} 45^\circ$.

- Ans ☒ A. 1
☐ B. 0
☐ C. $\sqrt{2}$
☐ D. $\frac{1}{\sqrt{2}}$

Q.33 Simplify the given expression.

$$18 + 3 \text{ of } (24 \div 8 \times 2) - 6$$

- Ans
- ☐ A. 36
 - ☐ B. 16.5
 - ☒ C. 30
 - ☐ D. 24

Q.34 Find the value of $x^2 + 3x + 5$ when $x + 2$.

- Ans
- ☐ A. 13
 - ☐ B. 19
 - ☒ C. 15
 - ☐ D. 17

Q.35 Paul, Ryan and Max can finish a certain piece of work in 15, 14 and 21 days, respectively. All three of them started the work together. Paul left the work after 5 days and Ryan left just 3 days before the work was completed. Find the total number of days taken for the work to be completed.

- Ans
- ☐ A. 10.1
 - ☐ B. 11.2
 - ☐ C. 3.7
 - ☒ D. 7.4

Q.36 A cubical block of wood of side 14 cm is surmounted by a hemisphere of the largest possible diameter. What is the total surface area (in cm^2) of the solid thus formed?

(Use $\pi = \frac{22}{7}$)

- Ans
- ☐ A. 1176
 - ☐ B. 1484
 - ☒ C. 1330
 - ☐ D. 1296

Q.37 Ranjeet sold an article for ₹582, earning a profit of 20%. What was the cost price (in ₹) of the article?

- Ans
- ☐ A. 495
 - ☐ B. 490
 - ☐ C. 480
 - ☒ D. 485

Q.38 Smart Bazaar is offering Buy 16, get 9 free on household items. What is the net percentage discount being offered by the Smart Bazaar?

- Ans
- ☐ A. 39%
 - ☒ B. 36%
 - ☐ C. 34%
 - ☐ D. 33%

Q.39 2 men can do a piece of work in 2 days. How many men will do it in 4 days?

- Ans
- ☒ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4

Q.40 The diagonals of a rhombus are in the ratio 3 : 4, and the perimeter is 100 cm. Find the area (in cm^2) of the rhombus.

- Ans**
- ☐ A. 625
 - ☐ B. 550
 - ☐ C. 650
 - ☒ D. 600

Q.41 A sum of money was invested at simple interest at a certain rate for 3 years. Had it been invested at a 4% per annum higher rate, it would have fetched ₹360 more. Find the principal.

- Ans**
- ☒ A. ₹3,000
 - ☐ B. ₹3,500
 - ☐ C. ₹2,800
 - ☐ D. ₹3,200

Q.42 Nishi travels to a shopping mall at a speed of 21 km/hr and returns at a speed of 77 km/hr. What is her average speed (in km/hr) for the entire journey?

- Ans**
- ☐ A. 34
 - ☒ B. 33
 - ☐ C. 23
 - ☐ D. 39

Q.43 The average of first 9 multiples of 4 is:

- Ans**
- ☐ A. 18
 - ☐ B. 4
 - ☒ C. 20
 - ☐ D. 9

Q.44 If 50% of 20% of $\frac{2}{3}$ of a number is 686, find the number.

- Ans**
- ☒ A. 10290
 - ☐ B. 11840
 - ☐ C. 14190
 - ☐ D. 10150

Q.45 If a seven-digit number 78p3945 is divisible by 11, then the value of 'p' is:

- Ans**
- ☐ A. 6
 - ☒ B. 5
 - ☐ C. 4
 - ☐ D. 3

Q.46 The sum of two numbers is 26. The bigger number is greater than the smaller number by 4. Find the bigger number.

- Ans**
- ☐ A. 18
 - ☐ B. 21
 - ☐ C. 13
 - ☒ D. 15

Q.47 A sum of money is to be distributed among A, B, C and D in the ratio of 17 : 3 : 9 : 6. If C gets ₹294 more than B, then how much did A receive?

- Ans** ☒ A. ₹833
☐ B. ₹835
☐ C. ₹836
☐ D. ₹834

Q.48 A, B and C can complete a piece of work in 3, 5 and 15 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- Ans** ☐ A. 10
☒ B. 5
☐ C. 6
☐ D. 15

Q.49 P is any point inside the rectangle ABCD. If PA = 73 cm, PB = 57 cm and PC = 99 cm, then the length of PD (in cm) is equal to:

- Ans** ☐ A. 112
☐ B. 103
☐ C. 105
☒ D. 109

Q.50 $\frac{1}{20}$ is what percentage of $\frac{2}{80}$?

- Ans** ☐ A. 210%
☐ B. 400%
☐ C. 215%
☒ D. 200%

Section : General Intelligence and Reasoning

Q.51 HJEI is related to OQLP in a certain way based on the English alphabetical order. In the same way, JLGK is related to QSNR. To which of the following is LNIM related, following the same logic?

- Ans** ☐ A. SUTP
☐ B. USTP
☒ C. SUPT
☐ D. USPT

Q.52 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 letter-cluster pair 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. UY – QS
☒ B. HL – DE
☐ C. DH – ZB
☐ D. CG – YA

Q.53 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 4 8 2 8 2 3 8 3 1 3 9 1 7 3 9 7 6 2 6 6 6 8 2 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans**
- ☒ A. Four
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. Two

Q.54 If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$45 - 4 \div 4 + 32 \times 8 = ?$$

- Ans**
- ☒ A. 184
 - ☒ B. 178
 - ☒ C. 182
 - ☒ D. 180

Q.55 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and ' $\times$ ' and ' $\div$ ' are interchanged?

$$151 \div 5 + 72 \times 3 - 17 = ?$$

- Ans**
- ☒ A. 748
 - ☒ B. 745
 - ☒ C. 747
 - ☒ D. 746

Q.56 A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits second to the left of G. B sits second to the left of D. C sits to the immediate right of A. E sits third to the left of C. How many people sit between E and F when counted from the left of E?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. Four
 - ☒ D. One

Q.57 ABCD is related to DDJJ in a certain way based on the English alphabetical order. In the same way, MJEB is related to PLLH. To which of the given options is VPZT related, following the same logic?

- Ans**
- ☒ A. YRTJ
 - ☒ B. YGHJ
 - ☒ C. YREW
 - ☒ D. YRGZ

Q.58 Refer to the following number series and answer the question that follows. (All numbers are single digit numbers only.) (Counting to be done from left to right only.)

(Left) 5 3 2 9 7 2 4 5 4 3 6 4 3 9 8 3 3 3 2 8 8 9 3 4 5 7 6 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☐ A. 9
 - ☐ B. 7
 - ☐ C. 8
 - ☒ D. 6

Q.59 What should come in place of the question mark (?) in the given series?

300 285 270 255 240 ?

- Ans**
- ☐ A. 224
 - ☐ B. 223
 - ☒ C. 225
 - ☐ D. 221

Q.60 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 plants are vegetables.

All buds are vegetables.

Conclusions:

(I): Some plants are buds.

(II): All vegetables are buds.

- 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.61 Mr. Zzz starts from Point A and drives 21 km towards the West. He then takes a left turn, drives 5 km, turns right and drives 7 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 28 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 degrees turns only unless specified).

- Ans**
- ☐ A. 7 km to the West
 - ☐ B. 8 km to the East
 - ☐ C. 5 km to the North
 - ☒ D. 6 km to the South

Q.62 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 letter-cluster pair 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. FM - IP
 - ☐ B. MT - PW
 - ☐ C. LS - OV
 - ☒ D. JQ - LI

Q.63 In a certain code language, 'stop disturbing people' is coded as 'ls ck rp' and 'people need peace' is coded as 'cd ok rp'. How is 'people' coded in that language?

- Ans**
- ☐ A. ck
 - ☐ B. cd
 - ☐ C. ok
 - ☒ D. rp

Q.64 Find the missing number in the series 4, 16, 36, 64, 100, ?

- Ans**
- ☐ A. 100
 - ☒ B. 144
 - ☐ C. 150
 - ☐ D. 120

Q.65 Mr. Akai starts from Point A and drives 9 km towards east. He then takes a left turn, drives 7 km, turns left and drives 32 km. He then takes a left turn and drives 18 km. He then takes a left turn, drives 21 km, turns left and drives 5 km. He takes a final right turn, drives 2 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 degrees turns only unless specified)

- Ans**
- ☐ A. 6 km to the south
 - ☐ B. 8 km to the east
 - ☒ C. 6 km to the north
 - ☐ D. 4 km to the north

Q.66 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B', and
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D x F - G ÷ H + J'?

- Ans**
- ☐ A. Brother's wife
 - ☒ B. Husband's brother's wife
 - ☐ C. Husband's brother's daughter
 - ☐ D. Brother's daughter

Q.67 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:

Some cats are pets.

All pets are animals.

Conclusions:

(I) Some cats are animals.

(II) No animals are pets.

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

Q.68 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) 3 5 4 9 7 1 1 6 4 2 3 2 3 3 4 2 7 8 6 8 8 5 6 1 2 9 2 (Right)
How many such odd 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. 2
☒ D. 4

Q.69 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$114 \div 7 - 42 \times 2 + 43 = ?$$

- Ans ☒ A. 778
☒ B. 772
☒ C. 774
☒ D. 776

Q.70 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
DER109, PQD91, BCP73, NOB55, ?

- Ans ☒ A. ZAM37
☒ B. ZAN37
☒ C. SAN37
☒ D. ZEN37

Q.71 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit between D and F. G sits to the immediate left of F. Only one person sits between G and A. B sits at some place to the left of C but at some place to the right of E. How many people sit to the right of A?

- Ans ☒ A. 1
☒ B. 2
☒ C. 4
☒ D. 3

Q.72 Seven boxes A, B, C, D, I, J and K are kept one over the other but not necessarily in the same order. Only A is kept above I. Only two boxes are kept between I and C. Only K is kept below J. D is not kept immediately above C. How many boxes are kept between B and K?

- Ans ☒ A. Two
☒ B. Four
☒ C. Three
☒ D. One

Q.73 Vinay ranked 48th from the top and 15th from the bottom in his class. How many students are there in his class?

- Ans ☒ A. 60
☒ B. 62
☒ C. 63
☒ D. 61

Q.74 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PPR MQT JRV GSX ?

- Ans**
- ☐ A. DTT
 - ☐ B. KJY
 - ☐ C. ZDR
 - ☒ D. DTZ

Q.75 GL 9 is related to IH -8 in a certain way. In the same way, MR 4 is related to ON -13. To which of the given options is NS 13 related, following the same logic?

- Ans**
- ☐ A. BH -1
 - ☐ B. UH -3
 - ☐ C. LP -5
 - ☒ D. PO -4

Q.76 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 14, 6)

(39, 28, 25)

- Ans**
- ☐ A. (42, 40, 23)
 - ☐ B. (23, 16, 16)
 - ☐ C. (11, 16, 4)
 - ☒ D. (48, 82, 7)

Q.77 In a certain code language, 'way hen wet' is coded as 'ir wj ry' and 'seed desk way' is coded as 'wj kk bm'. How is 'way' coded in that language?

- Ans**
- ☐ A. ry
 - ☐ B. ir
 - ☐ C. kk
 - ☒ D. wj

Q.78 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 1 7 6 8 5 2 7 6 9 2 3 4 8 3 6 2 5 9 4 1 7 6 8 3 1 9 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Three
 - ☒ B. More than three
 - ☐ C. Two
 - ☐ D. One

Q.79 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only 2 people sit to the right of F. Only 3 people sit between F and A. Both E and C are immediate neighbours of G. D sits immediately to the left of B. C is not an immediate neighbour of A. How many people sit between D and E?

- Ans**
- ☐ A. 2
 - ☐ B. 1
 - ☐ C. 4
 - ☒ D. 3

Q.80 What should come in place of the question mark (?) in the given series?

68 64 56 44 28 ?

- Ans**
- ☐ A. 12
 - ☐ B. 18
 - ☒ C. 8
 - ☐ D. 21

Section : General Awareness and Current Affairs

Q.81 As per Ministry of Earth Sciences, the number of seismic observatories in India increased from 80 in 2014 to how many in February 2025?

- Ans**
- ☐ A. 142
 - ☐ B. 118
 - ☒ C. 168
 - ☐ D. 98

Q.82 According to the 'Ramsar Information Sheet' published in February 2025, which bird sanctuary in Tamil Nadu has been designated as a Ramsar site?

- Ans**
- ☐ A. Manjira Bird Sanctuary
 - ☐ B. Kolleru Bird Sanctuary
 - ☐ C. Okhla Bird Sanctuary
 - ☒ D. Sakkarakottai Bird Sanctuary

Q.83 Who threw 90.23 m in javelin at the Doha Diamond League, 2025, setting a record?

- Ans**
- ☐ A. Shivpal Singh
 - ☐ B. Annu Rani
 - ☒ C. Neeraj Chopra
 - ☐ D. Sachin Yadav

Q.84 The Karnataka Amendment Bill, 2025 proposes punishment for what practice, even before an actual child marriage takes place?

- Ans**
- ☐ A. Minor migration
 - ☐ B. Minor labour
 - ☒ C. Minor engagement
 - ☐ D. Minor adoption

Q.85 As announced on June 17, 2025, which of the following institutes have developed a novel one-step colloidal synthesis method for fabricating PEGylated semi-shells (SS) with nano-cup morphology at room temperature to treat cancer?

- Ans**
- ☒ A. Institute of Nano Science and Technology (INST), Mohali
 - ☐ B. Institute of Nano Science and Technology (INST), Chandigarh
 - ☐ C. Institute of Nano Science and Technology (INST), Dehradun
 - ☐ D. Institute of Nano Science and Technology (INST), Raebareli

Q.86 In September 2025, which region planned to establish a dedicated women police station in each district for enhanced safety?

- Ans**
- ☐ A. All Districts of West Bengal
 - ☐ B. Mumbai Suburban District
 - ☒ C. Each of Delhi's 15 Districts
 - ☐ D. Each District in Uttar Pradesh

Q.87 In June 2025, a stampede occurred near which stadium in Bengaluru?

- Ans**
- ☐ A. Barabati Stadium
 - ☐ B. Rajiv Gandhi International Stadium
 - ☒ C. M Chinnaswamy Stadium
 - ☐ D. MA Chidambaram Stadium

Q.88 Which Indian city was the first to issue a Certified Green Municipal Bond?

- Ans**
- ☐ A. Chennai
 - ☐ B. Indore
 - ☐ C. Kochi
 - ☒ D. Ghaziabad

Q.89 Who won the Women's Singles title at the Australian Open 2025?

- Ans**
- ☒ A. Madison Keys
 - ☐ B. Iga Swiatek
 - ☐ C. Coco Gauff
 - ☐ D. Aryna Sabalenka

Q.90 Who presided over the 10th Governing Council Meeting of NITI Aayog in New Delhi on 24 May 2025?

- Ans**
- ☒ A. Shri. Narendra Modi
 - ☐ B. Smt. Nirmala Sitharaman
 - ☐ C. Shri. Amit Shah
 - ☐ D. Shri. Rajnath Singh

Q.91 According to Union Budget 2025–26, which mission was launched to document and conserve India's manuscript heritage?

- Ans**
- ☐ A. Kala Sampada Mission
 - ☐ B. Saraswati Archive Project
 - ☐ C. Granth Sanrakshan Abhiyan
 - ☒ D. Gyan Bharatam Mission

Q.92 In July 2025, which of the following states of India launched the Smart Mosquito Surveillance System ("SMoSS"), to track and control mosquito populations more efficiently and safely?

- Ans**
- ☒ A. Andhra Pradesh
 - ☐ B. Gujarat
 - ☐ C. Punjab
 - ☐ D. Jharkhand

Q.93 What is the name of the weapon system engineered to neutralise threats posed by coordinated drone swarms, which was successfully developed and tested by Solar Defense and Aerospace Limited (SDAL) in May 2025?

- Ans**
- ☒ A. Bhargavastra
 - ☐ B. Bheemastra
 - ☐ C. Shivastra
 - ☐ D. Brahmastra

Q.94 Which book, launched at the Raisina Dialogue 2025, focuses on water credits as a market-based mechanism for sustainable water management?

- Ans**
- ☐ A. Sashakt Bharat
 - ☐ B. Memories and Milestones
 - ☐ C. Guardian of Heritage
 - ☒ D. Trading Blue Gold: A Blueprint for Water Credit Valuation in India

Q.95 During WAVES 2025, Odisha CM mentioned India's indigenous sports gaining global recognition. Which summit was this statement made at?

- Ans**
- ☐ A. Global Sports Expo India
 - ☐ B. Bharat Sports Conclave
 - ☐ C. Khelo India Youth Games
 - ☒ D. World Audio Visual and Entertainment Summit

Q.96 In 2025, which male field athlete joined Usain Bolt as the only track-and-field winners of Laureus Sportsman of the Year?

- Ans**
- ☒ A. Mondo Duplantis
 - ☐ B. Novák Djokovic
 - ☐ C. Max Verstappen
 - ☐ D. Carlos Alcaraz

Q.97 Who is the director of the movie Chhaava, which was released in February 2025?

- Ans**
- ☐ A. Prithviraj Sukumaran
 - ☐ B. Fahadh Faasil
 - ☐ C. Anurag Kashyap
 - ☒ D. Laxman Utekar

Q.98 The 32nd Elets World Education Summit was hosted by which country in April 2025?

- Ans**
- ☐ A. South Africa
 - ☐ B. United Kingdom
 - ☐ C. India
 - ☒ D. United Arab Emirates

Q.99 According to a news update on 9 June 2025, the High Seas Treaty will enter into force 120 days after it is ratified by how many countries?

- Ans**
- ☐ A. 45
 - ☐ B. 75
 - ☒ C. 60
 - ☐ D. 30

Q.100 What is the revised policy repo rate announced by the Reserve Bank of India in April 2025?

- Ans**
- ☐ A. 5.75%
 - ☐ B. 6.25%
 - ☒ C. 6.00%
 - ☐ D. 6.50%



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Suryoday Online
Test Date	01/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is NOT considered an organic compound?

- Ans ☒ A. Methane (CH₄)
☒ B. Acetic acid (CH₃COOH)
☒ C. Ethanol (C₂H₅OH)
☒ D. Sodium carbonate (Na₂CO₃)

Q.2 If tall (T) is dominant over short (t), and round seeds (R) are dominant over wrinkled (r), identify the genotype of a plant that shows short height and round seeds.

- Ans ☒ A. TtRr
☒ B. TtRR
☒ C. Ttrr
☒ D. ttRR

Q.3 What is the role of lysosomes in a cell?

- Ans ☒ A. To produce ATP
☒ B. To store proteins
☒ C. To transport products
☒ D. To digest foreign material

Q.4 Which of the following correctly defines the amplitude of a wave?

- Ans ☒ A. The speed with which the wave travels
☒ B. The number of vibrations per second
☒ C. The maximum displacement of the particle from its mean position
☒ D. The distance between two consecutive crests

Q.5 Which property of isobars is always different?

- Ans ☒ A. Atomic number
☒ B. Mass number
☒ C. Total number of nucleons
☒ D. Total number of electrons

Q.6 Which of the following ensures genetic variation in sexually reproducing animals?

- Ans**
- ☐ A. Fertilisation occurs inside the body
 - ☐ B. Only one parent is involved
 - ☐ C. Gametes are formed by mitosis
 - ☒ D. Offspring receive genes from both parents

Q.7 Which of the following carbon compounds burns with a blue, non-sooty flame under normal conditions?

- Ans**
- ☐ A. Diesel
 - ☐ B. Charcoal
 - ☐ C. Kerosene
 - ☒ D. Ethanol

Q.8 Which of the following statements is INCORRECT about uniform motion?

- Ans**
- ☒ A. The speed varies continuously with time
 - ☐ B. The acceleration is zero
 - ☐ C. The body covers equal distances in equal intervals of time
 - ☐ D. The velocity remains unchanged

Q.9 Which of the following statements is NOT correct?

- Ans**
- ☐ A. The angle of deviation is the angle between the incident ray and emergent ray.
 - ☐ B. In a prism, the emergent ray bends towards the base of the prism when the incident ray is coming from the base side.
 - ☒ C. In a prism, the incident ray and emergent ray are always parallel.
 - ☐ D. In a prism, dispersion can occur if white light is used.

Q.10 According to Bohr's Model of atom, electrons revolve around the nucleus in _____.

- Ans**
- ☒ A. discrete orbits
 - ☐ B. elliptical path
 - ☐ C. straight lines
 - ☐ D. random path

Q.11 Which of the following observations confirms that a solution is acidic?

- Ans**
- ☐ A. Methyl orange: yellow, Phenolphthalein: pink, Litmus: blue
 - ☐ B. Methyl orange: yellow, Phenolphthalein: colourless, Litmus: blue
 - ☒ C. Methyl orange: red, Phenolphthalein: colourless, Litmus: red
 - ☐ D. Methyl orange: red, Phenolphthalein: pink, Litmus: red

Q.12 Which of the following is a key goal of conserving forests and biodiversity?

- Ans**
- ☐ A. To allow more industrial use of forests
 - ☐ B. To expand national parks
 - ☐ C. To promote tourism
 - ☒ D. To preserve inherited biodiversity

Q.13 Based on function, which of the following combinations represent all types of animal tissues found in humans?

- Ans**
- ☐ A. Epithelial tissue, Connective tissue and Skeletal tissue
 - ☐ B. Epithelial tissue, Connective tissue and Reproductive tissue
 - ☐ C. Epithelial tissue, Muscular tissue and Glandular tissue
 - ☒ D. Epithelial tissue, Connective tissue, Muscular tissue and Nervous tissue

Q.14 What is the main function of the vas deferens in the male reproductive system?

- Ans**
- ☐ A. Sperm production
 - ☐ B. Regulating body temperature
 - ☐ C. Seminal fluid secretion
 - ☒ D. Transporting sperm from the epididymis to the urethra

Q.15 A net horizontal force of 20 N acts on a 4 kg block initially at rest for 5 s. What is the block's final speed?

- Ans**
- ☐ A. 50 m/s
 - ☐ B. 30 m/s
 - ☐ C. 20 m/s
 - ☒ D. 25 m/s

Q.16 An object is placed 30 cm in front of a concave mirror of focal length 15 cm. What will be the image distance v ?

- Ans**
- ☒ A. -30 cm
 - ☐ B. +30 cm
 - ☐ C. -15 cm
 - ☐ D. +15 cm

Q.17 During the process of electrolytic refining of metals, on passing the current through the electrolyte, the impure metal from the _____ dissolves into the electrolyte.

- Ans**
- ☐ A. salt bridge
 - ☐ B. both anode and cathode
 - ☒ C. anode
 - ☐ D. cathode

Q.18 Which gas is mainly responsible for the greenhouse effect and is released when fossil fuels are burned?

- Ans**
- ☒ A. Carbon dioxide
 - ☐ B. Hydrogen
 - ☐ C. Nitrogen
 - ☐ D. Oxygen

Q.19 A machine does 'W' joule work in time 't' seconds. The power 'P' watt of the machine is given correctly by which of the following relations?

- Ans**
- ☐ A. $P = W2t$
 - ☐ B. $P = W2/t$
 - ☐ C. $P = W \times t$
 - ☒ D. $P = W/t$

Q.20 An object is thrown straight up and reaches a maximum height of 20 m. If we take $g = 10 \text{ m/sec}^2$, what was the initial speed of the object when it was thrown?

- Ans**
- ☒ A. 20 m/sec
 - ☐ B. 30 m/sec
 - ☐ C. 10 m/sec
 - ☐ D. 40 m/sec

Q.21 Which of the following statements is true about magnetic field lines?

- Ans**
- ☐ A. Field lines intersect at poles.
 - ☐ B. Magnetic field is weaker where lines are close.
 - ☒ C. Field lines outside a magnet move from north to south.
 - ☐ D. Field lines inside a magnet move from north to south.

Q.22 What is the formula of formic acid?

- Ans**
- ☒ A. HCOOH
 - ☐ B. $\text{C}_2\text{H}_6\text{O}$
 - ☐ C. $\text{C}_2\text{H}_4\text{O}_2$
 - ☐ D. $\text{C}_2\text{H}_5\text{OH}$

Q.23 Two wires of the same material have equal lengths but their cross-sectional areas are in the ratio 1 : 4. The ratio of their resistances will be:

- Ans**
- ☒ A. 4 : 1
 - ☐ B. 1 : 1
 - ☐ C. 1 : 4
 - ☐ D. 1 : 2

Q.24 Which plastids contain pigments that give plants their yellow, orange or red colours?

- Ans**
- ☐ A. Leucoplasts
 - ☒ B. Chromoplasts
 - ☐ C. Chloroplasts
 - ☐ D. Amyloplasts

Q.25 An atom has 11 protons, 11 electrons and 12 neutrons. What is the mass number of that atom?

- Ans**
- ☒ A. 23
 - ☐ B. 12
 - ☐ C. 24
 - ☐ D. 11

Section : Mathematics

Q.26 The arithmetic mean of the observations 42, 97, 57, 62, 52, 13, 44, 23 and 69 is:

- Ans**
- ☐ A. 45
 - ☐ B. 48
 - ☐ C. 44
 - ☒ D. 51

Q.27 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 13.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 4 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 8°
 - ☒ B. 3°
 - ☐ C. 5°
 - ☐ D. 4°

Q.28 A and B working together can do a piece of work in 4 days. B alone can do the same work in 20 days. How long (in days) will A alone take to do double the work?

- Ans
- ☐ A. 11
 - ☐ B. 5
 - ☒ C. 10
 - ☐ D. 13

Q.29 Raju walks to his office 3.5 km away from home. In the morning, he covers the distance in 1.5 hours, whereas, while returning home in the evening, he takes 30 more minutes to cover the same distance. Find his average speed (in km/hr) during the two-way journey.

- Ans
- ☐ A. 2.5
 - ☐ B. 3.5
 - ☐ C. 3
 - ☒ D. 2

Q.30 Find the area of a triangle whose sides are in the ratio 28 : 23 : 35 and its perimeter is 516 cm.

- Ans
- ☒ A. $720\sqrt{258} \text{ cm}^2$
 - ☐ B. $420\sqrt{217} \text{ cm}^2$
 - ☐ C. $650\sqrt{367} \text{ cm}^2$
 - ☐ D. $540\sqrt{319} \text{ cm}^2$

Q.31 If 20% of a number is added to 78, then the result is the same number. 80% of the same number is:

- Ans
- ☐ A. 88
 - ☒ B. 78
 - ☐ C. 108
 - ☐ D. 98

Q.32 What would the annual interest accrued on a deposit of ₹3,500 in a bank that pays a 17% per annum rate of simple interest be?

- Ans
- ☐ A. ₹495
 - ☒ B. ₹595
 - ☐ C. ₹615
 - ☐ D. ₹545

Q.33 If the ratio of two numbers is 7 : 8, and their HCF is 32, then their LCM is:

- Ans
- ☒ A. 1792
 - ☐ B. 1809
 - ☐ C. 1783
 - ☐ D. 1833

Q.34 The salary of a person was decreased by 30% and subsequently increased by 30% for 2 years. What is the percentage change in the salary?

- Ans
- ☒ A. Increase of 18.3%
 - ☐ B. Decrease of 28.9%
 - ☐ C. Increase of 21.7%
 - ☐ D. Decrease of 34.5%

Q.35 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 83% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

- Ans**
- ☒ A. Decrease by 27%
 - ☒ B. Decrease by 19%
 - ☒ C. Increase by 22.5%
 - ☒ D. Increase by 26%

Q.36 Simplify: $x^2 - (3x - 2)(x + 5)$

- Ans**
- ☒ A. $-2x^2 - 13x + 10$
 - ☒ B. $-x^2 - 13x + 10$
 - ☒ C. $-2x^2 - 11x + 10$
 - ☒ D. $2x^2 - 13x + 10$

Q.37 Pushpraj and Himani together invested ₹34,100 in a business. At the end of the year, out of a total profit of ₹5,400, Pushpraj's share was ₹2,700. What was the investment of Pushpraj?

- Ans**
- ☒ A. ₹15,505
 - ☒ B. ₹17,050
 - ☒ C. ₹17,260
 - ☒ D. ₹18,870

Q.38 Simplify the following:

$$\frac{5^{3x+4} + 125^{x+1}}{125^{x+1} - 5^{3x+2}}$$

- Ans**
- ☒ A. 5
 - ☒ B. 7.5
 - ☒ C. 8
 - ☒ D. 10

Q.39 If the mean and mode are equal for the given data. Find x ($x < 6$).

Class Interval	15-25	25-35	35-45
Quantity	6	10	x

- Ans**
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 4
 - ☒ D. 2

Q.40 The perimeter (in cm) of a right-angled triangle whose sides that make the right angle are 18 cm and 24 cm, is:

- Ans**
- ☒ A. 79
 - ☒ B. 60
 - ☒ C. 72
 - ☒ D. 68

Q.41 The product of two consecutive odd numbers is 16383. Which is the smaller one?

- Ans**
- ☒ A. 123
 - ☒ B. 129
 - ☒ C. 125
 - ☒ D. 127

Q.42 A dealer allowed a 73% discount on an article and was still able to manage a 56% profit. Find the ratio of the cost price to listed price.

- Ans**
- ☐ A. 6 : 57
 - ☒ B. 9 : 52
 - ☐ C. 12 : 59
 - ☐ D. 12 : 54

Q.43 Three numbers are in the ratio 17 : 12 : 6 and the sum of these numbers is 1820. Find the middle number.

- Ans**
- ☐ A. 622
 - ☐ B. 621
 - ☒ C. 624
 - ☐ D. 623

Q.44 A five digit number 761xy is divisible by 90. Find (x + y).

- Ans**
- ☐ A. 10
 - ☐ B. 9
 - ☐ C. 5
 - ☒ D. 4

Q.45 A fruit seller purchases lemons at 2 for a rupee and sells them at 5 for three rupees. Find his profit percentage.

- Ans**
- ☐ A. 24
 - ☐ B. 22
 - ☐ C. 18
 - ☒ D. 20

Q.46 A ladder is leaning against a wall, making an angle of 60° with the ground. If the foot of the ladder is 5 m away from the wall, find the length of the ladder.

- Ans**
- ☒ A. 10 m
 - ☐ B. 20 m
 - ☐ C. 12 m
 - ☐ D. 15 m

Q.47 The ratio of the present ages of two cousins is 3 : 2. After 6 years, the ratio will become 5 : 4. What was the sum of their ages (in years) 4 years ago?

- Ans**
- ☒ A. 7
 - ☐ B. 5
 - ☐ C. 9
 - ☐ D. 11

Q.48 The marked price of a chair is ₹7,600, which is 25% above the cost price. It is sold at a discount of 4% on the marked price. Find the profit percentage.

- Ans**
- ☐ A. 19%
 - ☒ B. 20%
 - ☐ C. 21%
 - ☐ D. 22%

Q.49 A train 1439 m long is running at 36 km/hr. How long will it take to clear a 1331 m long platform completely?

- Ans**
- ☒ A. 281 seconds
 - ☒ B. 277 seconds
 - ☒ C. 272 seconds
 - ☒ D. 282 seconds

Q.50 6 men can complete a piece of work in 5 days while 2 women can do it in 15 days. In how many days can 3 women and 3 men complete it?

- Ans**
- ☒ A. 4 days
 - ☒ B. 15 days
 - ☒ C. 5 days
 - ☒ D. 14 days

Section : General Intelligence and Reasoning

Q.51 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BLUE - LBUE - ELBU

TWIN - WTIN - NWTI

- Ans**
- ☒ A. FOUR - OFUR - ROFU
 - ☒ B. URGE - RUGE - RGEU
 - ☒ C. POST - PSOT - TSOP
 - ☒ D. READ - ERAD - DEAR

Q.52 What should come in place of the question mark (?) in the given series?

8 18 30 44 ? 78

- Ans**
- ☒ A. 65
 - ☒ B. 50
 - ☒ C. 60
 - ☒ D. 70

Q.53 In a certain code language,
P @ Q means 'P is the husband of Q',
P # Q means 'P is the brother of Q',
P & Q means 'P is the mother of Q', and
P % Q means 'P is the sister of Q'.

Based on the above, how is D related to E if 'D # S @ Z & M % E'?

- Ans**
- ☒ A. Wife's father
 - ☒ B. Father's brother
 - ☒ C. Father's sister
 - ☒ D. Mother's father

Q.54 In a certain code language, 'VAIL' is coded as '6598' and 'OVAL' is coded as '8619'. What is the code for 'O' in the given code language?

- Ans**
- ☒ A. 1
 - ☒ B. 8
 - ☒ C. 9
 - ☒ D. 6

Q.55 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) % € € % 6 £ 3 & 1 £ 4 5 7 2 2 & & 9 & 8 8 * (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans ☒ A. 6
☒ B. 4
☒ C. 5
☒ D. 3

Q.56 If + means - , - means x , x means + , + means + , then what will come in place of the question mark (?) in the following equation?

$$15 - 10 \div 4 + 20 \times 5 = ?$$

- Ans ☒ A. 148
☒ B. 150
☒ C. 146
☒ D. 152

Q.57 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) # € % # 6 & 4 * 9 6 @ 5 % @ # © 8 # % * £ 2 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans ☒ A. 6
☒ B. 4
☒ C. 5
☒ D. 8

Q.58 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 9 6 4 8 8 9 8 7 7 6 5 8 3 4 3 7 5 9 1 5 2 7 1 1 5 9 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans ☒ A. 5
☒ B. 7
☒ C. 6
☒ D. 4

Q.59 In a row of people all facing north, Aftab is 18th from the right end. Apoorva is 28th from the right end. Apoorva is exactly between Aftab and Piyali. If Piyali is 12th from the left end of the line, how many people are there in the row?

- Ans ☒ A. 47
☒ B. 46
☒ C. 48
☒ D. 49

Q.60 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 letter-cluster pair 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. NQ-KO
 - ☐ B. PS-MQ
 - ☐ C. LO-IM
 - ☒ D. JM-GL

Q.61 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 letter-cluster pair 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. GK-EI
 - ☐ B. KO-IL
 - ☐ C. EI-CF
 - ☐ D. CG-AD

Q.62 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept below S. Only one box is kept above Q. Only one box is kept between Q and P. R is kept immediately above N. O is kept at some place below M. How many boxes are kept between M and R?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☒ C. Four
 - ☐ D. Two

Q.63 What should come in place of the question mark (?) in the given series?

99 87 75 63 51 ?

- Ans**
- ☒ A. 39
 - ☐ B. 38
 - ☐ C. 36
 - ☐ D. 37

Q.64 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:

All pathways are roads.

No pathway is a garden.

Conclusions:

(I): Some gardens are roads.

(II): All roads are gardens.

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

Q.65 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 15.7, 19.2)

(24, 21.7, 25.2)

- Ans** ☒ A. (37, 34.7, 39.2)
☒ B. (28, 25.7, 28.2)
☒ C. (31, 28.7, 32.2)
☒ D. (9, 6.7, 11.2)

Q.66 A, B, C, R, S, T and U are sitting around a circular table, facing the centre of the table. R sits to the immediate left of U. B sits to the immediate left of C. C sits second to the left of T. A sits third to the left of U. Who sits third to the right of S?

- Ans** ☒ A. T
☒ B. C
☒ C. A
☒ D. U

Q.67 If + means –, – means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$113 - 9 \div 17 + 519 \times 3 = ?$$

- Ans** ☒ A. 869
☒ B. 861
☒ C. 858
☒ D. 852

Q.68 A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. The correct combination of codes following the conditions is your answer.

Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	8	2	\$	6	3	+	7	@	9	*	5	#	4
Codes	S	D	R	P	K	H	L	G	B	U	C	N	W	Q

Conditions:

- (i) If both the second and third elements are perfect squares, the codes for these two (the second and third elements) are to be interchanged.
(ii) If the first element and the third element are even numbers, these two (the first and third elements) are to be coded as &.
(iii) If both the second and third elements are multiples of 3, the third element is to be coded as the code for the second element.

What will be the code for the following group?

\$ 9 6 @ 7

- Ans** ☒ A. P K K B G
☒ B. & U & B G
☒ C. P U U B G
☒ D. G U K B P

Q.69 What should come in place of the question mark (?) in the given series?

621 623 627 633 641 ?

- Ans
- ☐ A. 645
 - ☒ B. 651
 - ☐ C. 649
 - ☐ D. 647

Q.70 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 3 5 2 7 1 9 5 1 7 8 4 2 5 7 6 6 5 3 4 7 2 1 7 7 4 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans
- ☐ A. Six
 - ☐ B. Four
 - ☐ C. Seven
 - ☒ D. Five

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MEW154, SKC131, YQI108, EWO85, ?

- Ans
- ☐ A. KCV62
 - ☐ B. KDU62
 - ☒ C. KCU62
 - ☐ D. LCU62

Q.72 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 cars are vehicles.

All vehicles are machines.

Conclusions

(I): Some machines are cars.

(II): No cars are machines.

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

Q.73 Seven people, B, C, D, I, J, K and L, are sitting around a circular table facing the centre of the table. L sits third to the left of I. Only one person sits between K and B when counted from the left of B. C sits third to the right of D. C sits to the immediate right of L. J is not an immediate neighbour of L. How many people sit between J and B when counted from the right of J?

- Ans
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Four
 - ☒ D. Three

Q.74 If each of the digits in the number 243178569 is arranged in descending order from left to right, then what will be the sum of the digits which are second from the right and third from the left in the new number thus formed?

- Ans**
- ☐ A. 16
 - ☐ B. 14
 - ☐ C. 10
 - ☒ D. 9

Q.75 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

QIS38, SLQ42, UOO46, ?

- Ans**
- ☐ A. WSM49
 - ☐ B. XSN49
 - ☐ C. XRN50
 - ☒ D. WRM50

Q.76 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

GIFT - IFGT - TFIG

LAND - ANLD - DNAL

- Ans**
- ☒ A. FLAG - LAFG - GALF
 - ☐ B. FISH - IFSH - HISF
 - ☐ C. SOLD - SLOD - DLOS
 - ☐ D. WEPT - EPWT - EPTW

Q.77 Mayank starts from Point A and drives 9 km towards the East. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 15 km. He takes a final left turn, drives 8 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 degrees turns only unless specified).

- Ans**
- ☐ A. 8 km to the South
 - ☐ B. 8 km to the North
 - ☐ C. 9 km to the South
 - ☒ D. 9 km to the North

Q.78 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

A sits fourth to the left of Y. W sits fourth to the right of C. Only two people sit between Y and C when counted from the left of Y. X is not an immediate neighbour of W or Y. D is not an immediate neighbour of X. Who sits third to the right of B?

- Ans**
- ☐ A. C
 - ☒ B. D
 - ☐ C. Y
 - ☐ D. A

Q.79 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

FOUR - ORUF - RUOF
TENS - ESNT - SNET

- Ans**
- ☐ A. YEAR - EYAR - REAY
 - ☐ B. CUPS - UCPS - SUPC
 - ☒ C. PLUG - LGUP - GULP
 - ☐ D. RUST - RSUT - TSUR

Q.80 Mr. Zzz starts from Point A and drives 8 km towards east. He then takes a right turn, drives 11 km, turns right and drives 17 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 9 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. 10 km to the south
 - ☐ B. 12 km to the west
 - ☐ C. 13 km to the east
 - ☐ D. 11 km to the north

Section : General Awareness and Current Affairs

Q.81 Which party won the by-election to the Visavadar Assembly Constituency (Gujarat) in June 2025?

- Ans**
- ☐ A. Bhartiya Janata Party
 - ☐ B. Indian National Congress
 - ☐ C. Bahujan Samaj Party
 - ☒ D. Aam Aadmi Party

Q.82 On 20th May, 2025, the Supreme Court (SC) reinstated the requirement of how many years of legal practice for law graduates to apply for civil judge (junior division) posts, reversing its 2002 decision?

- Ans**
- ☐ A. 2 years
 - ☐ B. 4 years
 - ☐ C. 5 years
 - ☒ D. 3 years

Q.83 In which of the following cities was the inauguration of the Recognition of Prior Learning - Certification in Indian Sign Language Interpretation (RPL-CISLI) programme held in August 2025?

- Ans**
- ☐ A. Chennai
 - ☐ B. Ahmedabad
 - ☒ C. New Delhi
 - ☐ D. Lucknow

Q.84 What was the name of the bilateral naval exercise between the Indian Navy and the French Navy held in March 2025?

- Ans**
- ☐ A. DOSTANA
 - ☐ B. EKUVERIN
 - ☒ C. VARUNA
 - ☐ D. MITRA

Q.85 Who among the following was appointed as Executive Director of the Reserve Bank of India in March 2025 to look after Department of Statistics and Information Management and Financial Stability Department?

- Ans**
- ☒ A. Dr. Ajit Ratnakar Joshi
 - ☐ B. Dr. V Anantha Nageswaran
 - ☐ C. Dr. Swaminathan J
 - ☐ D. Dr. Urjit Patel

Q.86 In June 2025, the Department of Financial Services (DFS), Ministry of Finance, convened a high-level meeting co-chaired by M Nagaraju, Secretary, Department of Financial Services and T Rabi Sankar, Deputy Governor, RBI at New Delhi, on scaling up ULI. What is the full form of ULI?

- Ans**
- ☐ A. Unique Lending Index
 - ☐ B. Urban Lending Interface
 - ☐ C. Universal Loan Identifier
 - ☒ D. Unified Lending Interface

Q.87 Which of the following novels won the 2025 Pulitzer Prize for Fiction?

- Ans**
- ☐ A. Feeding Ghosts
 - ☐ B. Every Living Thing
 - ☒ C. James
 - ☐ D. Native Nations

Q.88 Which Indian state topped the 'Environment' theme in the State of States rankings of the State of India's Environment 2025 report released by the Centre for Science and Environment (CSE)?

- Ans**
- ☐ A. Himachal Pradesh
 - ☐ B. Uttar Pradesh
 - ☐ C. Madhya Pradesh
 - ☒ D. Andhra Pradesh

Q.89 Which country was ranked highest for gender equality in the Global Gender Gap Report, 2025, released by the World Economic Forum in May 2025?

- Ans**
- ☒ A. Iceland
 - ☐ B. Germany
 - ☐ C. Sweden
 - ☐ D. Norway

Q.90 Who set the men's 10,000 m record of 27:00.22 at TEN 2025 meet?

- Ans**
- ☐ A. Avinash Sable
 - ☐ B. Jinson Johnson
 - ☒ C. Gulveer Singh
 - ☐ D. Shivnath Singh

Q.91 World Environment Day was observed on 5 June 2025 with a special focus to end which of the following?

- Ans**
- ☐ A. Sewage Pollution
 - ☒ B. Plastic Pollution
 - ☐ C. Mercury Pollution
 - ☐ D. E waste Pollution

Q.92 How many prototypes of the Advanced Medium Combat Aircraft (AMCA) does India plan to develop before starting series production?

- Ans**
- ☐ A. Six
 - ☐ B. Three
 - ☒ C. Five
 - ☐ D. Four

Q.93 Which of the following organised the Summer Book Writing Festival in 2025?

- Ans**
- ☐ A. Penguin India
 - ☐ B. HarperCollins
 - ☒ C. BriBooks
 - ☐ D. Random House

Q.94 Which among the following civic suggestions did Karnataka's Deputy Chief Minister give in September 2025 to improve governance quality in Bengaluru?

- Ans**
- ☒ A. Pay taxes, declare assets, hide nothing
 - ☐ B. Citizen rating system for officials
 - ☐ C. Monthly public grievance meets
 - ☐ D. Volunteer audit committees

Q.95 According to the India BioEconomy Report 2025, how much is India's BioEconomy valued at in 2024?

- Ans**
- ☐ A. \$100.4 billion
 - ☒ B. \$165.7 billion
 - ☐ C. \$250.2 billion
 - ☐ D. \$300.6 billion

Q.96 India is drafting its first comprehensive framework, National Adaptation Plan (NAP), to be submitted to the United Nations Framework Convention on Climate Change (UNFCCC) by September 2025 in compliance with the ____.

- Ans**
- ☐ A. Kyoto Protocol
 - ☐ B. Cartagena Protocol
 - ☐ C. Montreal Convention
 - ☒ D. Paris Agreement

Q.97 Who is the Chairperson of the 16th Finance Commission of India?

- Ans**
- ☒ A. Arvind Panagariya
 - ☐ B. Raghuram Rajan
 - ☐ C. Suman Bery
 - ☐ D. N. K. Singh

Q.98 Who scored the highest individual score in a single innings during IPL 2025?

- Ans**
- ☒ A. Abhishek Sharma
 - ☐ B. Rishabh Pant
 - ☐ C. KL Rahul
 - ☐ D. Mitchell Marsh

Q.99 Which athlete won the Arjuna Award for boxing in January 2025?

- Ans**
- ☐ A. Lovlina Borgohain
 - ☒ B. Saweety Boora
 - ☐ C. Nikhat Zareen
 - ☐ D. Parveen Hooda

Q.100 Which of the following countries hosted the largest yoga session with over 1.5 million participants in 2025?

- Ans**
- ☐ A. Nepal
 - ☐ B. USA
 - ☒ C. India
 - ☐ D. UAE



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Madhyamgram
Test Date	01/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements is correct for the mass and weight of an object?

Ans ☒ A. Mass is constant and Weight is variable

☒ B. Both Mass and Weight are variable

☒ C. Both Mass and Weight are constant

☒ D. Mass is variable and Weight is constant

Q.2 Nucleons are subatomic particles found inside the atom. They consist of:

Ans ☒ A. electrons

☒ B. only neutrons

☒ C. protons and neutrons

☒ D. only protons

Q.3 Neutralisation reaction is best described as _____.

Ans ☒ A. Acid + Base $\rightarrow$ Salt + Water

☒ B. Acid + Salt $\rightarrow$ Water

☒ C. Base + Oxide $\rightarrow$ Salt + Water

☒ D. Acid + Metal $\rightarrow$ Salt + Hydrogen

Q.4 Which of the following is in accordance with Law of constant proportions?

a. In water, the ratio of the mass of hydrogen to the mass of oxygen is always 1 : 8.

b. The ration of carbon and oxygen in carbon dioxide is always 3 : 8 by mass.

c. In ammonia, nitrogen and hydrogen are always present in the ratio 14 : 1 by mass.

Ans ☒ A. Only a and b

☒ B. a, b and c

☒ C. Only b and c

☒ D. Only a

- Q.5** Compared to a soft sound, a louder sound wave of the same frequency is characterised by ____.
- Ans** ☐ A. Higher pitch
☐ B. Smaller wavelength
☒ C. Larger amplitude
☐ D. Smaller speed
- Q.6** Fleming's Left-Hand Rule is used to determine the direction of motion in an electric motor. Which finger represents the direction of the force or motion?
- Ans** ☐ A. Little finger
☐ B. Index finger
☒ C. Thumb
☐ D. Middle finger
- Q.7** The removal of which of the following weeds from agricultural land will be beneficial for farmers?
- Ans** ☐ A. Wheat
☒ B. Parthenium
☐ C. Soybean
☐ D. Sunflower
- Q.8** Which of the following statements defines Formula Unit?
- Ans** ☐ A. Mass of one mole of a compound
☐ B. Mass of one molecule
☐ C. Mass of an atom
☒ D. Sum of atomic masses of all atoms in the formula unit of an ionic compound
- Q.9** A solution is said to be stable when:
- Ans** ☒ A. the solute particles do not settle down when left undisturbed
☐ B. the solute particle forms a separate layer with solvent particles
☐ C. the solute particles settle down when left undisturbed
☐ D. the solute particles float on the surface of solution when left undisturbed
- Q.10** What is the exact location of the kidneys in human beings?
- Ans** ☐ A. In the chest region, on either side of the lungs
☐ B. In the chest region, just below the heart
☐ C. In the abdomen, on either side of the intestine
☒ D. In the abdomen, on either side of the back bone
- Q.11** Why is variation primarily important in a population of organisms?
- Ans** ☐ A. It ensures that all individuals are identical
☐ B. It helps organisms reproduce faster
☒ C. It increases the chance of survival under changing environmental conditions
☐ D. It always gives instant result within the same generation.
- Q.12** When the velocity of a body is increased to twice its original value, its kinetic energy becomes ____.
- Ans** ☒ A. four times the original value
☐ B. twice the original value
☐ C. the same as before
☐ D. half the original value

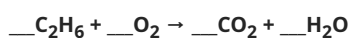
Q.13 Which of the following is an example of growing two or more crops simultaneously on the same land field in a definite pattern?

- Ans
- ☐ A. Aeroponics
 - ☒ B. Inter-cropping
 - ☐ C. Hydroponics
 - ☐ D. Monocropping

Q.14 A person is standing in a bus that suddenly stops. The person tends to fall forward. Which of the following laws of motion is directly responsible for this phenomenon?

- Ans
- ☒ A. Newton's First Law of Motion.
 - ☐ B. The Law of Conservation of Momentum.
 - ☐ C. Newton's Third Law of Motion.
 - ☐ D. Newton's Second Law of Motion.

Q.15 Consider the unbalanced reaction:



Which of the following is the correct set of coefficients to balance this equation?

- Ans
- ☐ A. 2, 5, 4, 6
 - ☐ B. 1, 3, 2, 3
 - ☒ C. 2, 7, 4, 6
 - ☐ D. 1, 5, 3, 4

Q.16 Which of the following is a part of the human male reproductive system?

- Ans
- ☐ A. Vagina
 - ☐ B. Fallopian tube
 - ☒ C. Prostate gland
 - ☐ D. Uterus

Q.17 Roots of which of the following plants can give rise to new plants?

- Ans
- ☐ A. Gram
 - ☒ B. Sweet potato
 - ☐ C. Potato
 - ☐ D. Maize

Q.18 Which of the following is NOT a part of the structural organisation of a cell?

- Ans
- ☐ A. Mitochondria
 - ☒ B. Heart
 - ☐ C. Cytoplasm
 - ☐ D. Cell wall

Q.19 The band of seven colours obtained on a screen due to dispersion is called _____.

- Ans
- ☐ A. Shadow
 - ☐ B. Image
 - ☒ C. Spectrum
 - ☐ D. Reflection pattern

Q.20 What is used as the anode during electrolytic refining?

- Ans
- ☐ A. An inert electrode
 - ☒ B. A strip of impure metal to be refined
 - ☐ C. A strip of pure metal to be refined
 - ☐ D. A rod of graphite

Q.21 An electric heater of resistance $20\ \Omega$ operates for 10 minutes when connected to a 220 V supply. The heat produced is:

- Ans ☐ A. $2.9 \times 10^4\text{ J}$
☒ B. $1.45 \times 10^6\text{ J}$
☐ C. $1.45 \times 10^5\text{ J}$
☐ D. $2.9 \times 10^5\text{ J}$

Q.22 Which of the following is responsible for the dispersion of white light through a glass prism?

- Ans ☐ A. White light contains only one colour.
☒ B. Different colours of light travel at different speeds in glass.
☐ C. Different colours of light travel at the same speed in glass.
☐ D. The prism absorbs some colours.

Q.23 When a hydrocarbon is burnt in excess of air, the final product is always:

- Ans ☐ A. carbon dioxide and hydrogen
☒ B. carbon dioxide and water
☐ C. carbon monoxide and hydrogen
☐ D. carbon monoxide and water

Q.24 Due to presence of which particle, does Rough Endoplasmic Reticulum (RER) look rough under a microscope?

- Ans ☐ A. Centrosome
☐ B. Lysosome
☒ C. Ribosome
☐ D. Peroxisome

Q.25 A swimmer pushes water backwards. The reaction force that propels the swimmer forward is:

- Ans ☐ A. Gravity pushes the swimmer forward
☐ B. Air pushes the swimmer
☐ C. Water pushes the swimmer backward
☒ D. Water pushes the swimmer forward

Section : Mathematics

Q.26 A teacher is preparing 15 identical exam folders. Each folder contains:
and a booklet that includes $\left[\frac{27-3}{6} + 4\right]$ additional pages. How many
teacher prepare for all 15 folders?

- Ans ☐ A. 134
☐ B. 360
☐ C. 270
☒ D. 330

Q.27 If $(a-1)^3 + (a-4)^3 + (a-7)^3 = 3(a-1)(a-4)(a-7)$, find the value

- Ans ☒ A. 4
☐ B. -1
☐ C. 1
☐ D. -4

Q.28 If a 1533 m long train crosses a pole in 73 seconds, then find the time (in seconds) taken by the train to cross a 420 m long platform.

- Ans**
- ☐ A. 86
 - ☐ B. 96
 - ☐ C. 84
 - ☒ D. 93

Q.29 Find the total prime numbers between 146 and 196.

- Ans**
- ☐ A. 13
 - ☒ B. 10
 - ☐ C. 11
 - ☐ D. 12

Q.30 A woman travelled at a speed of 20 m/min for 80 min, and at a speed of 55 m/min for 60 min. Her average speed (in m/min) is:

- Ans**
- ☐ A. 41
 - ☒ B. 35
 - ☐ C. 39
 - ☐ D. 28

Q.31 The amount on a sum of ₹7,700 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹8,936
 - ☐ B. ₹10,109
 - ☒ C. ₹9,317
 - ☐ D. ₹9,494

Q.32 $\frac{1}{20}$ is what percentage of $\frac{10}{70}$?

- Ans**
- ☐ A. 45%
 - ☒ B. 35%
 - ☐ C. 70%
 - ☐ D. 50%

Q.33 In a bag containing red, green and pink tokens, the ratio of red to green tokens was 14 : 8 while the ratio of pink to red tokens was 2 : 6. What was the ratio of green to pink tokens?

- Ans**
- ☐ A. 11 : 14
 - ☒ B. 12 : 7
 - ☐ C. 7 : 12
 - ☐ D. 9 : 11

Q.34 If mode of data 8, 7, 8, 7, 9, 10, 2, 8, 9, 7, 5, 10 and x is 7, then the value of x is:

- Ans**
- ☐ A. 9
 - ☒ B. 7
 - ☐ C. 8
 - ☐ D. 5

Q.35 There are two wooden sticks of length 57 m and 399 m, respectively.
What is the greatest possible length of each stick?



- Ans
- ☐ A. 56 m
 - ☐ B. 59 m
 - ☐ C. 58 m
 - ☒ D. 57 m

Q.36 If 20% of a number is added to 72, then the result is the same number. 80% of the same number is:

- Ans
- ☒ A. 72
 - ☐ B. 92
 - ☐ C. 82
 - ☐ D. 102

Q.37 A solid metallic sphere of radius 10.5 cm is melted and recast into smaller spherical balls, each of radius 3.5 cm. Find the ratio of the total surface area of all the smaller spheres to the surface area of the original sphere.

- Ans
- ☐ A. 9 : 1
 - ☒ B. 3 : 1
 - ☐ C. 6 : 1
 - ☐ D. 12 : 1

Q.38 Aman can do $\frac{1}{6}$ th of a piece of work in 13 days and Chaman can do
taken to complete the work if both work together. (Rounded off to on



- Ans
- ☐ A. 51.6
 - ☒ B. 49.2
 - ☐ C. 54.5
 - ☐ D. 46.3

Q.39 If an item marked at ₹4,000 is sold for ₹280, then what is the discount percentage?

- Ans
- ☐ A. 94%
 - ☒ B. 93%
 - ☐ C. 95%
 - ☐ D. 91%

Q.40 A 24-metre-long wire is broken into three pieces. The largest piece has length thrice the length of the smallest piece. The difference between lengths of two larger pieces is equal to the difference between the lengths of two smaller pieces. The length of the largest piece is ___ metres.

- Ans
- ☐ A. 10
 - ☐ B. 15
 - ☒ C. 12
 - ☐ D. 18

Q.41 A, B and C can do a piece of work in 3, 2 and 6 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans**
- ☐ A. 4
 - ☐ B. 9
 - ☒ C. 3
 - ☐ D. 6

Q.42 The income of Raman is ₹12,000. He saves 27% of his income. If his income increases by 20% and expenditure increases by 15%, then his savings will:

- Ans**
- ☒ A. increase by ₹1,086
 - ☐ B. increase by ₹1,088
 - ☐ C. decrease by ₹1,085
 - ☐ D. decrease by ₹1,089

Q.43 Find the value of $\frac{\sin 80^\circ}{\cos 10^\circ} - \sin 57^\circ \sec 33^\circ + 2$.

- Ans**
- ☐ A. 3
 - ☒ B. 2
 - ☐ C. 0
 - ☐ D. 1

Q.44 In a family consisting of a father, mother, son, and daughter, the age difference between the son and the daughter is 3 years, which is the same as the age difference between the father and the mother. The total age of the family is 144 years. The father is the eldest and the son is the youngest. The son's age is half the age of the mother. What is the age (in years) of the daughter?

- Ans**
- ☒ A. 26
 - ☐ B. 23
 - ☐ C. 22
 - ☐ D. 20

Q.45 Pushpraj and Himani together invested ₹17,800 in a business. At the end of the year, out of a total profit of ₹5,600, Pushpraj's share was ₹2,100. What was the investment of Pushpraj?

- Ans**
- ☒ A. ₹6,675
 - ☐ B. ₹4,720
 - ☐ C. ₹7,690
 - ☐ D. ₹6,090

Q.46 If the area of a rectangle is 195 cm^2 and length is 15 cm, then find the



- Ans**
- ☒ A. 56 cm
 - ☐ B. 54 cm
 - ☐ C. 58 cm
 - ☐ D. 52 cm

Q.47 The sides of a triangle are 75 cm, 34 cm and 61 cm. What is the length of its altitude corresponding to the side with the length of 34 cm?

- Ans**
- ☐ A. 20 cm
 - ☒ B. 60 cm
 - ☐ C. 68 cm
 - ☐ D. 63 cm

Q.48 A credit card payment that will settle a bill for 250 mixers at ₹1,014 per mixer with successive discounts of 30% and 15%, with a further discount of 20% on card payment, is:

- Ans**
- ☐ A. ₹1,20,696
 - ☒ B. ₹1,20,666
 - ☐ C. ₹1,20,664
 - ☐ D. ₹1,20,678

Q.49 The average age of 35 students of a class is 13 years. If the age of the teacher is also included, the average age of the whole group becomes 14 years. The age (in years) of the teacher is:

- Ans**
- ☒ A. 49
 - ☐ B. 47
 - ☐ C. 53
 - ☐ D. 51

Q.50 The cost price of an article is ₹10,720. It was sold for ₹9,862.40. Find the loss percentage.

- Ans**
- ☐ A. 6%
 - ☒ B. 8%
 - ☐ C. 5%
 - ☐ D. 10%

Section : General Intelligence and Reasoning

Q.51 Each of the digits in the number 3241586 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ A. None
 - ☐ B. Three
 - ☐ C. One
 - ☒ D. Two

Q.52 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JOBS - JSBO - SBOJ
OILY - OYLI - YLIO

- Ans**
- ☐ A. KIDS - KDIS - SDIK
 - ☐ B. GAVE - AGVE - EAVG
 - ☒ C. EARN - ENRA - NRAE
 - ☐ D. IDEA - IDAE - DEAI

Q.53 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$409 \div 2 + 416 \times 8 - 76 = ?$$

- Ans**
- ☐ A. 844
 - ☐ B. 843
 - ☒ C. 842
 - ☐ D. 841

Q.54 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.
(Left) 2 8 1 7 3 6 6 6 1 5 5 3 4 1 5 5 3 9 7 7 7 (Right)
How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans ☒ A. 3
☒ B. 4
☒ C. 2
☒ D. 1

Q.55 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 shade are roof.

All ceiling are roof.

Conclusions:

(I): Some shade are ceiling.

(II): All roof are ceiling.

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

Q.56 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 letter-cluster pair 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. RX – WM
☒ B. YE – DT
☒ C. IO – ND
☒ D. KQ – QE

Q.57 Sumedha ranked 9th from the top and 23rd from the bottom in his class. How many students are there in the class?

- Ans ☒ A. 27
☒ B. 37
☒ C. 35
☒ D. 31

Q.58 Shubham starts from Point A and drives 10 km towards West. He then takes a right turn, drives 8 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 4 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 degrees turns only unless specified)

- Ans ☒ A. 5 km to the North
☒ B. 4 km to the South
☒ C. 4 km to the North
☒ D. 5 km to the South

Q.59 In a certain code language,
'A ? B' means 'A is the daughter of B'
'A = B' means 'A is the son of B'
'A @ B' means 'A is the father of B'
'A √ B' means 'A is the sister of B'

Based on the above, how is C related to L if 'C = D √ E ? F @ L'?

- Ans**
- ☒ A. Son
 - ☒ B. Brother's son
 - ☒ C. Sister's son
 - ☒ D. Mother's brother

Q.60 A, B, C, D, W, X and Y are sitting in a straight line facing north. No one sits to the left of D. Only four people sit between D and C. Only three people sit to the right of Y. X sits to the immediate left of A. W is not an immediate neighbour of Y. Who sits third to the left of W?

- Ans**
- ☒ A. C
 - ☒ B. A
 - ☒ C. X
 - ☒ D. Y

Q.61 What should come in place of the question mark (?) in the given series?

15 17 21 23 27 ?

- Ans**
- ☒ A. 33
 - ☒ B. 30
 - ☒ C. 31
 - ☒ D. 29

Q.62 In a certain code language, 'nice large land' is coded as 'cd ak pi', 'land is fertile' is coded as 'rf pc ak', and 'cost is high' is coded as 'si ig pc'. How is 'fertile' coded in the given language?

- Ans**
- ☒ A. rf
 - ☒ B. ak
 - ☒ C. cd
 - ☒ D. pc

Q.63 In a certain code language, 'AUTO' is coded as '2683' and 'TOUR' is coded as '8136'. What is the code for 'R' in the given code language?

- Ans**
- ☒ A. 6
 - ☒ B. 3
 - ☒ C. 8
 - ☒ D. 1

Q.64 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 2 3 8 1 7 9 1 7 7 5 5 3 7 8 6 9 6 9 2 5 1 9 1 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.65 Which letter cluster will replace the question mark (?) to complete the given series?
ECO HFN KIM ? QOK

- Ans** ☒ A. NLL
☐ B. LPO
☐ C. MNJ
☐ D. KLI

Q.66 What should come in place of the question mark (?) in the given series?

256 211 166 121 76 ?

- Ans** ☒ A. 31
☐ B. 32
☐ C. 33
☐ D. 27

Q.67 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 \$ 5 7 \$ \$ @ & * € 3 # 8 # \$ 5 © 7 £ 4 & * (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☒ A. One
☐ B. Two
☐ C. Three
☐ D. Zero

Q.68 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(39, 117, 13)

(48, 99, 1)

- Ans** ☐ A. (8, 42, 10)
☐ B. (19, 106, 24)
☐ C. (35, 138, 24)
☒ D. (27, 117, 21)

Q.69 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only two people sit between X and W when counted from the right of X. Only two people sit between W and M when counted from the right of W. Only three people sit between X and N when counted from the right of X. P sits to the immediate left of Y. Who sits third to the left of O?

- Ans** ☐ A. X
☐ B. P
☐ C. M
☒ D. Y

Q.70 Rashmi starts from Point A and drives 5 km towards west. She then takes a right turn, drives 4 km, turns right and drives 3 km. She then takes a left turn and drives 4 km. She takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

- Ans** ☒ A. 8 km towards south
☐ B. 4 km towards north
☐ C. 6 km towards east
☐ D. 8 km towards west

Q.71 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits to the immediate right of C. Only three people sit between B and A when counted from the left of B. Only three people sit between C and D when counted from the left of C. G sits to the immediate right of F. How many people sit between A and C when counted from the right of C?

- Ans** ☐ A. 2
☒ B. 3
☐ C. 4
☐ D. 1

Q.72 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 pillows are mats.

Some mats are cushions.

Conclusions:

(I): Some pillows are cushions.

(II): All cushions are mats.

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

Q.73 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$104 - 176 \times 16 \div 9 + 192 = ?$$

- Ans** ☐ A. 18
☐ B. 12
☐ C. 14
☒ D. 11

Q.74 Tanay ranked 24th from the top and 56th from the bottom in his class. How many students are there in his class?

- Ans** ☐ A. 80
☐ B. 77
☒ C. 79
☐ D. 78

Q.75 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 2 4 5 7 2 9 6 7 3 4 1 6 6 9 8 4 7 6 1 7 3 4 9 7 (Right)

How many such numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by an odd number?
(Note: 1 is also a perfect square)?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. Four

Q.76 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. FHI
 - ☒ B. MNP
 - ☒ C. XYA
 - ☒ D. EFH

Q.77 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
GRK 45, KMG 54, OHC 63, SCY 72, ?

- Ans**
- ☒ A. VXT 83
 - ☒ B. VYU 83
 - ☒ C. XWV 81
 - ☒ D. WXU 81

Q.78 What should come in place of the question mark (?) in the given series?

1211 1212 1215 1210 1219 1208 ? 1206 1227

- Ans**
- ☒ A. 1220
 - ☒ B. 1223
 - ☒ C. 1225
 - ☒ D. 1227

Q.79 LW 3 is related to QV -10 in a certain way. In the same way, JU 6 is related to OT -7. To which of the following is PU 4 related, following the same logic?

- Ans**
- ☒ A. UT -9
 - ☒ B. HU -4
 - ☒ C. YT -2
 - ☒ D. KO -5

Q.80 ZWRM is related to WRUR in a certain way based on the English alphabetical order. In the same way, NCDG is related to KXGL. To which of the following options is ENMV related, following the same logic?

- Ans**
- ☒ A. BIAP
 - ☒ B. BAPL
 - ☒ C. BPLO
 - ☒ D. BIPA

Q.81 The Chagos Archipelago Sovereignty Agreement was signed between which of the following two countries in May 2025?

- Ans**
- ☒ A. United Kingdom and Mauritius
 - ☐ B. United Kingdom and United States
 - ☐ C. United Kingdom and Australia
 - ☐ D. United Kingdom and India

Q.82 The Supreme Court (Amendment) Rules, 2025 include changes to Order II, Rules 1 to 3 of the Supreme Court Rules, passed in the year ____.

- Ans**
- ☒ A. 2013
 - ☐ B. 1983
 - ☐ C. 2003
 - ☐ D. 1993

Q.83 Which athlete won the Arjuna Award for athletics in January 2025?

- Ans**
- ☐ A. Tajinderpal Singh Toor
 - ☒ B. Jyothi Yarraji
 - ☐ C. Avinash Sable
 - ☐ D. Neeraj Chopra

Q.84 Which Indian union territory assembly first adopted the National e-Vidhan Application (NeVA) on 9 June 2025?

- Ans**
- ☐ A. Delhi
 - ☒ B. Puducherry
 - ☐ C. Chandigarh
 - ☐ D. Lakshadweep

Q.85 According to the IMF's April 2025 World Economic Outlook, what is India's projected GDP growth rate for the year 2025?

- Ans**
- ☐ A. 5.9%
 - ☒ B. 6.2%
 - ☐ C. 6.5%
 - ☐ D. 6.0%

Q.86 What was the urban poverty rate in India for FY24 as per SBI's January 2025 report?

- Ans**
- ☐ A. 13.7%
 - ☒ B. 4.09%
 - ☐ C. 4.6%
 - ☐ D. 1.1%

Q.87 What unique feature does the New Pamban Bridge (Tamil Nadu, India) include to facilitate maritime traffic?

- Ans**
- ☒ A. Vertical-lift
 - ☐ B. Suspension cables
 - ☐ C. Bascule mechanism
 - ☐ D. Swing bridge

Q.88 Where did Union Minister Ashwini Vaishnaw inaugurate the nation's pioneering 3nm chip design centres in May 2025?

- Ans**
- ☐ A. Chennai and Ahmedabad
 - ☐ B. Hyderabad and Lucknow
 - ☐ C. Jaipur and Delhi
 - ☒ D. Noida and Bengaluru

Q.89 Which para-swimmer received the Arjuna Award (Lifetime) in 2025?

- Ans**
- ☐ A. Suyash Jadhav
 - ☐ B. Sharath Gayakwad
 - ☐ C. Prasanta Karmakar
 - ☒ D. Murlikant Petkar

Q.90 Which state government launched India's first jungle safari train equipped with a Vistadome coach in May 2025?

- Ans**
- ☐ A. Andhra Pradesh
 - ☐ B. Arunachal Pradesh
 - ☒ C. Uttar Pradesh
 - ☐ D. Himachal Pradesh

Q.91 The Union Minister of Communications, Mr. Jyotiraditya Scindia, during his keynote at the World Wi-Fi Day Conference in June 2025, projected Wi-Fi to become a ₹1,83,000 crores (US\$ 21.2 billion) sector in India by ____.

- Ans**
- ☒ A. 2035
 - ☐ B. 2040
 - ☐ C. 2030
 - ☐ D. 2045

Q.92 Vikram 3201 and Kalpana 3201 microprocessors, developed for space applications, are what type of microprocessors?

- Ans**
- ☐ A. 64-bit microprocessors
 - ☒ B. 32-bit microprocessors
 - ☐ C. 8-bit microprocessors
 - ☐ D. 16-bit microprocessors

Q.93 As per the Economic Survey, 2024–25, under which housing scheme were over 89 lakh houses completed in urban areas as of 25 November 2024?

- Ans**
- ☐ A. Smart Cities Mission
 - ☐ B. Indira Awas Yojana
 - ☐ C. Shelter for Urban Homeless (SUH)
 - ☒ D. Pradhan Mantri Awas Yojana – Urban (PMAY-U)

Q.94 Which of the following regions is included in the list of vulnerable landscapes under the Revised Green India Mission (GIM) Plan released in 2025?

- Ans**
- ☐ A. Indo-Gangetic Plain
 - ☐ B. Deccan Plateau
 - ☒ C. Aravalli Mountain Range
 - ☐ D. Thar Desert

Q.95 Which two countries signed a treaty in late May 2025, transferring sovereignty over the Chagos Archipelago?

- Ans**
- ☐ A. Mauritius and India
 - ☐ B. UK and India
 - ☐ C. US and Mauritius
 - ☒ D. UK and Mauritius

Q.96 Who was Madison Keys' opponent in the final when she won her first Grand Slam title at the Australian Open 2025?

- Ans**
- ☐ A. Elena Rybakina
 - ☒ B. Aryna Sabalenka
 - ☐ C. Iga Świątek
 - ☐ D. Coco Gauff

Q.97 Which of the following ministers conducted surprise raids on seed and fertiliser godowns in Rajasthan in June 2025?

- Ans**
- ☐ A. Yogi Adityanath
 - ☐ B. Mamta Banerjee
 - ☒ C. Kirori Lal Meena
 - ☐ D. Mallikarjun Kharge

Q.98 In March 2025, according to the Ministry of Earth Sciences, how many earthquakes were recorded in India during November 2024 to February 2025?

- Ans**
- ☐ A. 136
 - ☒ B. 159
 - ☐ C. 213
 - ☐ D. 197

Q.99 In April 2025, which of the following rules came into force?

- Ans**
- ☒ A. Environment Protection (End-of-Life Vehicles) Rules
 - ☐ B. Bio-medical Waste (Management & Handling) Rules
 - ☐ C. Plastic Waste Management (Amendment) Rules
 - ☐ D. Hazardous and Other Wastes (Management & Trans boundary Movement) Amendment Rules

Q.100 In February 2025, who won the men's title at the 2025 Asian Snooker Championship held in Doha, Qatar?

- Ans**
- ☐ A. Amir Sarkosh
 - ☐ B. Chang Yu Kiu
 - ☐ C. Narantuya Bayarsaikhan
 - ☒ D. Pankaj Advani



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
 CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	01/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What is the chemical formula for Glucose?

- Ans A. $C_{11}H_{22}O_{11}$
 B. $C_6H_{12}O_6$
 C. CH_4
 D. CH_3COOH

Q.2 From the given compounds, which is used as a fuel additive?

- Ans A. Ethane
 B. Ethanoic acid
 C. Ethanol
 D. Ethanal

Q.3 For the life processes, the transfer of a source of energy from outside the body of the organism is called ____.

- Ans A. digestion
 B. nutrition
 C. excretion
 D. respiration

Q.4 A runner completes one round of a circular track of radius 175 m in 35 seconds. The average velocity after one round is ____.

- Ans A. 5 m/s
 B. 10 m/s
 C. 20 m/s
 D. 0 m/s

Q.5 What is corrosion?

- Ans A. Endothermic reaction
 B. Neutralisation reaction
 C. Physical change
 D. Chemical change

Q.6 Neutralisation reaction involves the combination of _____ from the acid and _____ from the base to form water molecules.

- Ans**  A. H⁺ ions and OH⁺ ions, respectively
 B. H⁺ ions and OH⁻ ions, respectively
 C. OH⁺ ions and H⁻ ions, respectively
 D. OH⁺ ions and OH⁻ ions, respectively

Q.7 Where should an object be placed in front of a convex lens to get a real image of the size of the object?

- Ans**  A. Between infinity and the principal focus of the lens
 B. At infinity
 C. At twice the focal length
 D. At the principal focus of the lens

Q.8 Which of the following organisms multiplies by the means of multiple fission mode of reproduction?

- Ans**  A. Garden pea
 B. Leishmania
 C. Plasmodium
 D. Hibiscus

Q.9 Liquids have:

- Ans**  A. no definite shape and no fixed volume
 B. no definite shape but have a fixed volume
 C. a definite shape and a fixed volume
 D. a definite shape and no fixed volume

Q.10 Which of the following nutrients is required in large quantities by plants?

- Ans**  A. Phosphorus
 B. Iron
 C. Copper
 D. Zinc

Q.11 Which of the following is a general physical property of nonmetals?

- Ans**  A. Dull appearance (non-lustrous)
 B. Malleability and ductility
 C. High melting and boiling points
 D. High electrical conductivity

Q.12 Which of the following life processes is NOT essential to maintain the life of an individual organism?

- Ans**  A. Reproduction
 B. Respiration
 C. Excretion
 D. Nutrition

Q.13 Which of the following is considered a major factor contributing to poor living standards in society?

- Ans**  A. Overuse of technology in urban areas
 B. Inequality in the distribution of resources
 C. Only the rapid growth of the population
 D. Only the level of education in society

Q.14 Which of the following is/are controlled by the use of insecticides in crop protection management?

- Ans  A. Fungus
 B. Virus
 C. Weeds
 D. Insects

Q.15 In circuit diagrams, a zigzag line is used to represent which of the following?

- Ans  A. A battery
 B. A switch
 C. A resistor
 D. A fuse

Q.16 Electrons revolve around the nucleus in fixed paths called:

- Ans  A. Elliptical paths
 B. Quarks
 C. Nucleons
 D. Shells or orbitals

Q.17 A passenger standing in a moving bus suddenly falls forward when the bus stops abruptly. This illustrates which of the following laws?

- Ans  A. Newton's third law
 B. Newton's first law
 C. Law of gravitation
 D. Newton's second law

Q.18 What is the primary cause of reverberation in a hall or room?

- Ans  A. Bending of sound waves
 B. Multiple reflections of sound from hard surfaces
 C. Absorption of sound by soft materials
 D. Variation in air temperature

Q.19 A baby pulls a toy car along the ground. If the force and displacement are in the same direction, the work done is:

- Ans  A. equal to zero
 B. negative
 C. equal to the speed of the car
 D. equal to the product of force and displacement

Q.20 Which of the following statements is correct about 'Bohr's model of an Atom'?

- Ans  A. Only certain special orbits known as discrete orbits of electrons are allowed outside the atom.
 B. While revolving in discrete orbits, the electrons radiate energy.
 C. While revolving in discrete orbits, the electrons do not exist.
 D. Only certain special orbits known as discrete orbits of electrons are allowed inside the atom.

Q.21 A triangular glass prism has how many rectangular lateral surfaces?

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

Q.22 Neurons have many short, branched parts or processes attached to cell body called _____.

Ans  A. nerve endings

 B. nuclei

 C. dendrites

 D. axons

Q.23 An object moves along a straight path from point O to point A (100 m away), then immediately reverses and stops at point B, which is 30 m away from A back towards O. What is the total distance covered and the magnitude of the displacement, respectively?

Ans  A. 130 m, 30 m

 B. 70 m, 70 m

 C. 100 m, 70 m

 D. 130 m, 70 m

Q.24 The total resistance of 10 resistors of equal resistance R arranged in series arrangement is _____.

Ans  A. R/10

 B. 10R

 C. 10/R

 D. R10

Q.25 The Golgi apparatus is associated with which of the following organelles?

Ans  A. Endoplasmic reticulum

 B. Plastids

 C. Nucleus

 D. Mitochondria

Section : Mathematics

Q.26 Akriti earns ₹ 54,500 monthly and saves 17% of her salary. Find her monthly expenditure.

Ans  A. ₹ 45,325

 B. ₹ 45,523

 C. ₹ 45,352

 D. ₹ 45,235

Q.27 Simplify: $\left(\frac{3^4 \times 9^{-2}}{27^{-1} \times 3^{-3}}\right)^{\frac{1}{3}}$

Ans  A. 9

 B. 3

 C. 27

 D. 1

Q.28 In a fruit basket, there are twice as many oranges as apples. If there are a total of 36 fruits, how many oranges are there?

Ans  A. 24

 B. 12

 C. 30

 D. 18

Q.29 A credit card payment that will settle a bill for 290 microwaves at ₹1,050 per microwave with successive discounts of 4% and 25%, with a further discount of 5% on card payment is:

Ans  **A. ₹2,08,278**

 **B. ₹2,08,260**

 **C. ₹2,08,292**

 **D. ₹2,08,290**

Q.30 A 435-metre-long train crosses a platform thrice its length in 87 seconds. What is the speed of the train (in km/hr)?

Ans  **A. 68**

 **B. 72**

 **C. 80**

 **D. 76**

Q.31 The average of 4, 12, 8, 10, 16, 14, 9, 20, 18, 22, 15 and K is 14. Find the value of K.

Ans  **A. 20**

 **B. 15**

 **C. 16**

 **D. 18**

Q.32 A and B working together can do a piece of work in 3 days. B alone can do the same work in 21 days. How long (in days) will A alone take to do double the work?

Ans  **A. 8**

 **B. 10**

 **C. 7**

 **D. 3.5**

Q.33 The price per unit of lemon candy to strawberry candy is in the ratio 4 : 14, and a family consumes them in the ratio 23 : 2 by quantity. Find the ratio of the expenditure on strawberry candy to that on lemon candy.

Ans  **A. 7 : 23**

 **B. 8 : 26**

 **C. 7 : 24**

 **D. 10 : 24**

Q.34 Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 21 February 2024 to 22 April 2024.

Ans  **A. 41**

 **B. 40**

 **C. 39**

 **D. 38**

Q.35 For a trip of 600 km, a truck travels the first 300 km at a speed of 42 km/hr. At what speed (in km/hr) should it cover the remaining distance, so that the average speed for the entire journey is 63 km/hr?

Ans  **A. 101**

 **B. 141**

 **C. 106**

 **D. 126**

Q.36 If $x + y + z = 0$ and $xyz = 21$, then $x^3 + y^3 + z^3$ is equal to:

- Ans  A. 21
 B. 0
 C. 63
 D. 42

Q.37 Three men can dig a well 39 feet deep in 4 days. How many men can dig a well 78 feet deep in 12 days?

- Ans  A. 2
 B. 3
 C. 5
 D. 1

Q.38 A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 81 pages?

- Ans  A. 1620
 B. 1630
 C. 1610
 D. 1625

Q.39 The cost of 1 litre milk is equal to the selling price of 800 ml milk. The percentage of profit is ____.

- Ans  A. 20%
 B. 22.5%
 C. 27.5%
 D. 25%

Q.40 P is any point inside the rectangle ABCD. If $PA = 57$ cm, $PB = 9$ cm, and $PC = 54$ cm, then the length PD (in cm) is equal to:

- Ans  A. 80
 B. 83
 C. 78
 D. 76

Q.41 At beginning of the poll, Rahul received 52% of the total votes and Leena received 48% of the total votes. The total voting was of 3,72,000 votes. How many votes did Leena earn above 1,00,000?

- Ans  A. 1,78,560 votes
 B. 37,20,000 votes
 C. 78,560 votes
 D. 1,00,000 votes

Q.42 In a box containing blue, yellow, and orange tokens, the ratio of blue to yellow tokens was 13 : 19, while the ratio of orange to blue tokens was 10 : 3. What was the ratio of orange to yellow tokens?

- Ans  A. 134 : 62
 B. 130 : 57
 C. 137 : 61
 D. 132 : 59

Q.43 Simplify: $\frac{1 - \cos 2\theta}{\sin 2\theta}$

- Ans  A. $\cot \theta$
 B. $\operatorname{cosec} \theta$
 C. $\tan \theta$
 D. $\sin \theta$

Q.44 If 20% of a number is added to 102, then the result is the same number. 60% of the same number is:

- Ans  A. 96.5
 B. 106.5
 C. 76.5
 D. 86.5

Q.45 The diagonals of a quadrilateral are perpendicular bisectors of each other. If the length of one diagonal is 8 cm and the area of the quadrilateral is 48 cm^2 , find the length (in cm) of the other diagonal.

- Ans  A. 8
 B. 10
 C. 14
 D. 12

Q.46 The arithmetic mean of the observations 79, 42, 47, 77, 49, 75, 56, 26 and 35 is:

- Ans  A. 64
 B. 54
 C. 45
 D. 49

Q.47 A cylindrical water tank has a diameter of 2.8 m and a height of 3.5 m. It is to be painted on both its outer curved surface and two circular ends. If the cost of painting is ₹25/m², find the total cost of painting the tank. (Use $\pi = \frac{22}{7}$)

- Ans  A. ₹1,290
 B. ₹1,160
 C. ₹1,220
 D. ₹1,078

Q.48 The value of $\frac{(0.85)^3 - (0.1)^3}{(0.85)^2 + 0.085 + 0.01}$ is:

- Ans  A. 0.65
 B. 0.75
 C. 0.95
 D. 0.99

Q.49 A shop that sells towels has offers going on, wherein customers can buy 2 towels and get 2 free. What is the percentage discount that customers get?

- Ans  A. 45%
 B. 50%
 C. 60%
 D. 55%

Q.50 Diana is thrice as old as Teresa and Homi is twice as old as Diana. If Diana's age is 4 years less than the average age of all three, then Homi's age (in years) is:

- Ans**  **A. 70**
 **B. 72**
 **C. 78**
 **D. 68**

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VNQ UMP TLO SKN ?

- Ans**  **A. RJM**
 **B. RJN**
 **C. RIN**
 **D. RIM**

Q.52 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only one person sits between S and T when counted from the left of T. R sits third to the right of A. U sits third to the left of C. R sits to the immediate right of U. B is not an immediate neighbour of U. How many people sit between B and T when counted from the right of B?

- Ans**  **A. Three**
 **B. One**
 **C. Two**
 **D. Four**

Q.53 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: All geysers are lights. No light is an oven.

Conclusion (I): No geyser is an oven.

Conclusion (II): Some ovens are lights.

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

Q.54 In a row of people all facing north, Hirani is 17th from the left end, and Tushar is 32th from the left end. Tushar is exactly between Hirani and Kiran. If Kiran is 12th from the right end of the line, how many people are there in the row?

- Ans**  **A. 58**
 **B. 59**
 **C. 57**
 **D. 60**

Q.55 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O @ P + T - G # V'?

- Ans**  A. Brother
 B. Father
 C. Mother's brother
 D. Mother's father

Q.56 This question is based on the five, three-digit numbers given below.

(Left) 567 862 426 326 749 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 2 is added to the second digit of every number, in how many numbers will the second digit be exactly divisible by the third digit?

- Ans**  A. Two
 B. Four
 C. One
 D. Three

Q.57 What should come in place of the question mark (?) in the given series?

921 923 927 933 941 ?

- Ans**  A. 951
 B. 953
 C. 955
 D. 949

Q.58 What should come in place of the question mark (?) in the given series?

161 165 173 185 201 ?

- Ans**  A. 221
 B. 220
 C. 215
 D. 207

Q.59 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

LF-OI-RT
NH-QK-TV

- Ans**  A. OJ-SN-VY
 B. PJ-SM-VY
 C. OJ-SM-VY
 D. PJ-SM-VX

Q.60 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 6 3 1 1 2 3 2 8 5 7 6 1 3 7 2 6 9 6 9 2 4 6 2 8 6 3 1 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

Ans  **A. 3**

 **B. 5**

 **C. 4**

 **D. 2**

Q.61 What should come in place of the question mark (?) in the given series?

214 217 222 229 238 ?

Ans  **A. 249**

 **B. 241**

 **C. 247**

 **D. 243**

Q.62 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(34, 70, 1)

(21, 92, 25)

Ans  **A. (2, 31, 14)**

 **B. (19, 63, 13)**

 **C. (36, 73, 1)**

 **D. (17, 52, 9)**

Q.63 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:

All lotions are creams.

All creams are soaps.

No cream is a facewash.

Conclusions:

(I) No soap is a facewash.

(II) No lotion is a facewash.

Ans  **A. Only conclusion (II) follows.**

 **B. Both conclusions (I) and (II) follow.**

 **C. Neither conclusion (I) nor (II) follows.**

 **D. Only conclusion (I) follows.**

Q.64 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

BBO 2 ECM -4 HDK 8 KEI -16 ?

- Ans**  **A. KLI 33**
 **B. MKL 22**
 **C. MJJ 31**
 **D. NFG 32**

Q.65 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 5 2 7 5 4 7 9 8 5 3 6 2 1 5 7 4 9 7 2 5 2 4 3 7 8 4 7 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans**  **A. One**
 **B. None**
 **C. More than two**
 **D. Two**

Q.66 Each of the digits in the number 4876231 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- Ans**  **A. 12**
 **B. 9**
 **C. 10**
 **D. 8**

Q.67 In a certain code language, 'PEARL' is coded as '18723' and 'PAYER' is coded as '82736'. What is the code for 'Y' in the given code language?

- Ans**  **A. 3**
 **B. 8**
 **C. 2**
 **D. 6**

Q.68 Mr. Zzz starts from Point A and drives 7 km towards the South. He then takes a left turn, drives 21 km, turns left and drives 16 km. He then takes a left turn and drives 26 km. He takes a final left turn, drives 9 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 degrees turns only unless specified).

- Ans**  **A. 2 km to the South**
 **B. 3 km to the West**
 **C. 4 km to the North**
 **D. 5 km to the East**

Q.69 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

AWY-UQS
RNP-LHJ

- Ans**  **A. PLN-JFH**
 **B. PKL-JFH**
 **C. PKL-IEG**
 **D. PLN-IFG**

Q.70 A, B, C, E, F, P and Q are sitting around a circular table, facing the centre. F sits third to the left of C. Only one person sits between C and P when counted from the left of P. Only two people sit between B and E when counted from the right of E. A is an immediate neighbour of B. Who sits to the immediate left and right of Q, respectively?

Ans  A. C and P

 B. F and A

 C. P and C

 D. P and B

Q.71 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WEST - EWST - WSTE

TOPS - OTPS - TPSO

Ans  A. LADS - ALDS - SADL

 B. OPEN - POEN - PENO

 C. HIRE - HRIE - ERIH

 D. EXIT - XEIT - EITX

Q.72 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. HKF

 B. QTO

 C. ILG

 D. LOI

Q.73 In a row of 50 students facing north, Neetu is 12th from the right end. If Kaden is 6th to the left of Neetu, what is Kaden's position from the left end of the line?

Ans  A. 30th

 B. 32nd

 C. 33rd

 D. 31st

Q.74 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?

75 B 4 D 20 A 40 C 8 = ?

Ans  A. 0

 B. 4

 C. 3

 D. 1

Q.75 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 is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  A. QRN

 B. UWR

 C. STP

 D. WXT

Q.76 Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north. Only two people sit to the left of A. Only three people sit between A and G. D sits second to the right of A. Only two people sit between D and C. E sits at some place to the right of F but at some place to the left of B.
How many people sit to the right of C?

Ans  **A. 5**

 **B. 3**

 **C. 4**

 **D. 2**

Q.77 Refer to the given series and answer the question that follows. All numbers are single digit numbers only. (Counting to be done from left to right only)

(Left) 6 4 9 2 3 2 7 7 9 8 3 8 7 9 9 9 7 9 5 8 9 9 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans  **A. One**

 **B. Three**

 **C. Two**

 **D. None**

Q.78 Ronak starts from Point A and drives 6 km towards the south. He then takes a left turn, drives 5 km, turns left and drives 14 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 8 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 east**

 **B. 6 km to the west**

 **C. 7 km to the west**

 **D. 7 km to the east**

Q.79 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$113 \div 6 + 98 \times 2 - 156 = ?$

Ans  **A. 785**

 **B. 798**

 **C. 775**

 **D. 779**

Q.80 In a particular coding system, 'house' is represented as '35791' and 'hose' is encoded as '3751'. How is 'u' represented in this coding system?

Ans  **A. 1**

 **B. 7**

 **C. 9**

 **D. 3**

Q.81 In which of the following months, during the 'Genomics Data Conclave', was the 'GenomeIndia Data' dedicated to the researchers by Narendra Modi, Prime Minister of India?

Ans  A. January 2025

 B. March 2025

 C. April 2025

 D. June 2025

Q.82 Which ministry released the 'Model Rules for Felling Trees in Agricultural Lands' in 2025?

Ans  A. Ministry of Rural Development

 B. Ministry of Agriculture

 C. Ministry of Environment, Forest and Climate Change

 D. Ministry of Home Affairs

Q.83 The Lokpal of India celebrated its 1st Foundation Day on which date in 2025?

Ans  A. 15 January

 B. 30 January

 C. 16 January

 D. 31 January

Q.84 In which of the following months was the grand finale and prize distribution ceremony of the Defence Innovation Challenge for Excellence (DICE-2024) organised during Aero India 2025 in Bengaluru by the Marathwada Accelerator for Growth and Incubation Council (MAGIC)?

Ans  A. April 2025

 B. February 2025

 C. March 2025

 D. June 2025

Q.85 Which athlete won the Arjuna Award for para-athletics in 2025?

Ans  A. Sumit Antil

 B. Navdeep Singh

 C. Avani Lekhara

 D. Yogesh Kathuniya

Q.86 Who among the following was appointed as Deputy Chief Executive Officer (CEO) of SBI General Insurance in June 2025?

Ans  A. Manish Jain

 B. Rakesh Sharma

 C. Ashok Mittal

 D. Mohd. Arif Khan

Q.87 Finland became the ____ European country to exit the Ottawa landmine treaty in June 2025.

Ans  A. 4th

 B. 3rd

 C. 5th

 D. 6th

Q.88 Which of the following Indian Constitutional Amendment Acts is also known as Nari Shakti Vandan Adhiniyam?

Ans  **A. 106th Constitutional Amendment Bill**

 **B. 105th Constitutional Amendment Bill**

 **C. 104th Constitutional Amendment Bill**

 **D. 107th Constitutional Amendment Bill**

Q.89 Which of the following is NOT a main feature of 'Control of Water Pollution (Grant, Refusal or Cancellation of Consent) Guidelines', 2025?

Ans  **A. Stricter Location Criteria**

 **B. Air Pollution Prevention Penalties**

 **C. Clear Enforcement of Rules**

 **D. Streamlined Consent Process**

Q.90 Which film by Aamir Khan was released in June 2025?

Ans  **A. Sitaare Zameen Par**

 **B. Fateh**

 **C. Raid 2**

 **D. Sky Force**

Q.91 As per revised Reserve Bank of India guidelines in April 2025, from what minimum age can minors independently open and operate savings accounts?

Ans  **A. 10 years**

 **B. 12 years**

 **C. 8 years**

 **D. 15 years**

Q.92 Which of the following countries will be hosting the World Rowing Championships 2025?

Ans  **A. London, UK**

 **B. Shanghai, China**

 **C. Tokyo, Japan**

 **D. Sydney, Australia**

Q.93 Which award did former cyclist Sucha Singh receive in 2025?

Ans  **A. Dronacharya Award**

 **B. MAKA Trophy**

 **C. Khel Ratna Award**

 **D. Arjuna Award (Lifetime)**

Q.94 In January 2025, the World Economic Forum annual meeting was held in ____.

Ans  **A. Wengen**

 **B. Davos**

 **C. Geneva**

 **D. Zurich**

Q.95 Which of the following platforms will provide training to the new recruits inducted during the 15th edition of the Rozgar Mela in April 2025, apart from formal skill programmes?

Ans  **A. National Career Service**

 **B. e-Shram Portal**

 **C. SWAYAM**

 **D. iGOT Karmayogi**

Q.96 Which State Government inaugurated the Rajiv Gandhi Van Samvardhan Yojana on 2 June 2025?

- Ans**  A. Karnataka
 B. Telangana
 C. Uttar Pradesh
 D. Himachal Pradesh

Q.97 In which state did the Defence Research and Development Organisation (DRDO) successfully test its indigenous Stratospheric Airship Platform on 3 May 2025?

- Ans**  A. Andhra Pradesh
 B. Gujarat
 C. Madhya Pradesh
 D. Rajasthan

Q.98 How many total medals did India win at the 2025 World Boxing Cup?

- Ans**  A. 9
 B. 8
 C. 10
 D. 11

Q.99 Who took over as the Chairperson of the Securities and Exchange Board of India (SEBI) in March 2025?

- Ans**  A. Shaktikanta Das
 B. Madhabi Puri Buch
 C. Tuhin Kanta Pandey
 D. Arvind Panagariya

Q.100 Approximately how many hectares are targeted for increased forest and tree cover by 2030 as per the Revised Green India Mission (GIM) Plan released in 2025?

- Ans**  A. 20 million
 B. 10 million
 C. 24.7 million
 D. 15.5 million



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone IDZ Thrissur
Test Date	02/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements about a spherical lens is NOT correct?

- Ans
- ☒ A. Every spherical lens has two centres of curvature.
 - ☒ B. The optical centre coincides with the centre of curvature.
 - ☒ C. A concave lens also possesses two centres of curvature.
 - ☒ D. The line joining the two centres of curvature is called the principal axis.

Q.2 Which of the following organs is present in chest cavity?

- Ans
- ☒ A. Pharynx
 - ☒ B. Pancreas
 - ☒ C. Liver
 - ☒ D. Lungs

Q.3 A body of mass 2 kg is moving with a speed of 3 m/s. Its kinetic energy is _____.

- Ans
- ☒ A. 18 J
 - ☒ B. 9 J
 - ☒ C. 3 J
 - ☒ D. 6 J

Q.4 The speed of sound in air is approximately 340 m/s. If a reflecting surface is 17 m away, how long does it take for an echo to return to the source?

- Ans
- ☒ A. 0.05 s
 - ☒ B. 1 s
 - ☒ C. 0.5 s
 - ☒ D. 0.1 s

Q.5 Which of the following statements best explains why isotopes of an element have identical chemical properties but different physical properties?

- Ans
- ☒ A. Isotopes have completely different atomic structures, affecting both their physical and chemical properties.
 - ☒ B. Isotopes have the same number of protons and neutrons but different numbers of electrons.
 - ☒ C. Isotopes have the same atomic number but differ in their number of neutrons, which affects physical properties like mass.
 - ☒ D. Isotopes differ in the number of protons, leading to different behaviours in chemical reactions.

Q.6 Which of the following statement is true regarding big dams and flood control?

- Ans**
- ☐ A. Big dams are never used for flood control.
 - ☐ B. Big dams do not increase the risk of floods.
 - ☒ C. Big dams can help in flood control by regulating river flow.
 - ☐ D. Big dams completely eliminate the possibility of floods.

Q.7 Which of the following statements is correct about acceleration due to gravity?

- Ans**
- ☒ A. It decreases with altitude
 - ☐ B. It remains constant with depth
 - ☐ C. It increases as we go inside the Earth
 - ☐ D. It is the same everywhere on Earth

Q.8 In which of the following states of matter do particles possess the highest speed of rapid random motion?

- Ans**
- ☐ A. Liquid and solid both
 - ☐ B. Liquid only
 - ☒ C. Gas
 - ☐ D. Solid only

Q.9 Which of the following methods of reproduction ensures rapid increase in population?

- Ans**
- ☐ A. Self pollination
 - ☐ B. Cross pollination
 - ☒ C. Asexual reproduction
 - ☐ D. Internal fertilisation

Q.10 A force that changes the state of motion of an object is called:

- Ans**
- ☐ A. Balanced force
 - ☒ B. Unbalanced force
 - ☐ C. Frictional force
 - ☐ D. Gravitational force

Q.11 Which of the following is NOT an example of a tissue of an organism?

- Ans**
- ☐ A. Bone
 - ☒ B. Neuron
 - ☐ C. Muscle
 - ☐ D. Blood

Q.12 Which of the following is related to human females in the same manner as vasectomy is related to human males?

- Ans**
- ☐ A. Coitus interruptus
 - ☐ B. Cervical caps
 - ☐ C. Copper-T
 - ☒ D. Tubectomy

Q.13 Which of the following muscular structures is/are responsible for modifying the curvature and thus changing the focal length of the fibrous, jelly-like eye lens?

- Ans**
- ☐ A. Retina
 - ☐ B. Iris
 - ☐ C. Pupil
 - ☒ D. Ciliary muscles

Q.14 Where is the embryo implanted after fertilisation in the human female body under normal conditions?

- Ans
- ☐ A. Ovary
 - ☐ B. Cervix
 - ☐ C. Oviduct
 - ☒ D. Uterus lining

Q.15 What happens to the pH of a solution when the concentration of H^+ ions increases?

- Ans
- ☐ A. It increases.
 - ☐ B. It remains the same.
 - ☒ C. It decreases.
 - ☐ D. It cannot be determined.

Q.16 On which of the following does resistivity of a material depend?

- Ans
- ☐ A. Current passing through it
 - ☐ B. Length and area of the conductor
 - ☒ C. Nature of the material
 - ☐ D. Shape of the conductor

Q.17 A car moving at a speed of 720 km/hr comes to a stop in 4 seconds after the brakes are applied. If the total mass of the car and passengers is 80 kg, what is the force applied by the brakes?

- Ans
- ☐ A. - 2000 N
 - ☒ B. - 4000 N
 - ☐ C. - 14,400 N
 - ☐ D. 4000 N

Q.18 Which of the following is the chemical formula of fullerene carbon allotropes?

- Ans
- ☐ A. C_0
 - ☒ B. C_{60}
 - ☐ C. C
 - ☐ D. C_6

Q.19 Which of the following is a diatomic molecule formed by a non-metallic element?

- Ans
- ☒ A. O_2
 - ☐ B. He
 - ☐ C. Mg
 - ☐ D. Na

Q.20 What are the primary functions of xylem and phloem tissues in a plant?

- Ans
- ☒ A. Xylem transports water and minerals, phloem transports food.
 - ☐ B. Xylem transports food, phloem transports water and minerals.
 - ☐ C. Both xylem and phloem transport water and minerals.
 - ☐ D. Both xylem and phloem transport food.

Q.21 Oxidation is defined as:

- Ans
- ☒ A. loss of electrons
 - ☐ B. gain of electrons
 - ☐ C. gain of neutrons
 - ☐ D. loss of protons

Q.22 Which of the following functional groups is represented by -OH in carbon compounds?

- Ans**
- ☐ A. Carboxylic acid
 - ☐ B. Aldehyde
 - ☒ C. Alcohol
 - ☐ D. Ketone

Q.23 The main thinking part of the human brain is located in the:

- Ans**
- ☐ A. Spinal cord
 - ☐ B. Medulla
 - ☒ C. Fore-brain
 - ☐ D. Mid-brain

Q.24 Which equation correctly represents the reaction of aluminum with hydrochloric acid?

- Ans**
- ☐ A. $2\text{Al} + 3\text{HCl} \rightarrow 2\text{AlCl}_3 + 3\text{H}_2$
 - ☐ B. $\text{Al} + \text{HCl} \rightarrow \text{AlCl} + \text{H}_2$
 - ☒ C. $2\text{Al} + 6\text{HCl} \rightarrow 2\text{AlCl}_3 + 3\text{H}_2$
 - ☐ D. $\text{Al} + \text{HCl} \rightarrow \text{AlCl}_3 + \text{H}_2$

Q.25 A solenoid behaves like a magnet because:

- Ans**
- ☐ A. It stores electricity
 - ☐ B. It has a high resistance
 - ☒ C. Current in its turns produces a magnetic field
 - ☐ D. It contains iron inside

Section : Mathematics

Q.26 The sum of the first 16 prime numbers is:

- Ans**
- ☐ A. 383
 - ☒ B. 381
 - ☐ C. 377
 - ☐ D. 382

Q.27 From a point 20 m away from the base of a tower, the angle of elevati

(Use $\sqrt{3} \approx 2$)

- Ans**
- ☒ A. 10 m
 - ☐ B. 15 m
 - ☐ C. 12 m
 - ☐ D. 11 m

Q.28 Simplify the given expression.

$$(x + 2)(x + 3)$$

- Ans**
- ☒ A. $x^2 + 5x + 6$
 - ☐ B. $x^2 + 3x + 2$
 - ☐ C. $x^2 + 6x + 5$
 - ☐ D. $x^2 + 2x + 3$

Q.29 A solid metallic sphere of radius 10.5 cm is melted and recast into smaller spherical balls of radius 1.5 cm each. If the surface area of the original sphere is S , what is the total surface area of all the small balls combined?

- Ans**
- ☐ A. $5S$
 - ☒ B. $7S$
 - ☐ C. $6S$
 - ☐ D. $8S$

Q.30 Ravi spends ₹80 more than Raj. If together they spend ₹380, how much does Raj spend?

- Ans**
- ☐ A. ₹110
 - ☒ B. ₹150
 - ☐ C. ₹120
 - ☐ D. ₹140

Q.31 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Nirmal borrowed an amount of ₹2,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Nirmal after 3 years.

- Ans**
- ☐ A. 30,300
 - ☐ B. 29,800
 - ☒ C. 28,800
 - ☐ D. 28,300

Q.32 If the third proportional of 8 and 56 is x , then what is the value of x ?

- Ans**
- ☐ A. 390
 - ☐ B. 394
 - ☒ C. 392
 - ☐ D. 393

Q.33 A train passes two tunnels of length 2708 m and 2195 m in 88 seconds and 76 seconds, respectively. What is the length of the train?

- Ans**
- ☒ A. 1054 m
 - ☐ B. 1048 m
 - ☐ C. 1064 m
 - ☐ D. 1063 m

Q.34 The insect population in a building was 9580 in 2015. It increased by 12% in 2016, decreased by 8% in 2017, and again increased by 8% in 2018. Find the insect population in 2018, rounded off to the nearest integer.

- Ans**
- ☐ A. 11,661
 - ☐ B. 10,665
 - ☐ C. 11,665
 - ☒ D. 10,661

Q.35 Which of the following numbers is divisible by 41?

- Ans**
- ☐ A. 7575438
 - ☒ B. 7132975
 - ☐ C. 7497194
 - ☐ D. 7397665

Q.36 A, B and C can complete a piece of work in 3, 9 and 18 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- Ans**
- ☐ A. 18
 - ☐ B. 7
 - ☒ C. 6
 - ☐ D. 12

Q.37 The average age of 25 students of a class is 33 years. If the age of the teacher is also included, the average age of the whole group becomes 34 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 61
 - ☒ B. 59
 - ☐ C. 56
 - ☐ D. 55

Q.38 The ratio of the present age of Sunil and Shyam is 3 : 4. The ratio of their age after 25 years from now, will be 8 : 9. What is the present age of Sunil?

- Ans**
- ☐ A. 14 years
 - ☐ B. 18 years
 - ☒ C. 15 years
 - ☐ D. 16 years

Q.39 The sides of a triangle are 41 cm, 21 cm, and 50 cm. What is the length of its altitude corresponding to the side with a length of 21 cm?

- Ans**
- ☒ A. 40 cm
 - ☐ B. 22 cm
 - ☐ C. 54 cm
 - ☐ D. 85 cm

Q.40 If 50% of 70% of $\frac{2}{6}$ of a number is 539, find the number.

- Ans**
- ☐ A. 7200
 - ☐ B. 6880
 - ☐ C. 3800
 - ☒ D. 4620

Q.41 In an election between two candidates, 80% of the total voters cast their votes. Out of the total votes cast, 10% were declared invalid. If Candidate A secured 70% of the valid votes and Candidate B received the rest, and the total number of eligible voters was 50,000. How many votes did candidate A receive?

- Ans**
- ☐ A. 26,200
 - ☒ B. 25,200
 - ☐ C. 25,500
 - ☐ D. 26,500

Q.42 A jeep travels 80 km at the speed of 40 km/hr and the next 32 km at the speed of 16 km/hr. What is its average speed (in km/hr)?

- Ans**
- ☒ A. 28
 - ☐ B. 34
 - ☐ C. 32
 - ☐ D. 22

Q.43 The perimeter of an equilateral triangle is three – fifth of the perimeter
Find the ratio between the area of the triangle and the area of the square

- Ans
- ☒ A. $2\sqrt{3} : 11$
 - ☒ B. $3\sqrt{2} : 16$
 - ☒ C. $4\sqrt{3} : 25$
 - ☒ D. $3\sqrt{5} : 26$

Q.44 The median of the data 4, 23, 11, 7, 6, 9, (K + 5), 15, 20 and 16 is 12. Find the value of K.

- Ans
- ☒ A. 8
 - ☒ B. 7
 - ☒ C. 5
 - ☒ D. 6

Q.45 Simplify the following.

$$6 \times 6 + 6 \times (8 - 5)^2 \div 3 \times 9$$

- Ans
- ☒ A. 138
 - ☒ B. 192
 - ☒ C. 164
 - ☒ D. 198

Q.46 19 men and 13 women can complete a piece of work in 12 days, while 17 men and 9 women can complete the same work in 14 days. The work of how many women is equivalent to that of one man?

- Ans
- ☒ A. 2
 - ☒ B. 3
 - ☒ C. 5
 - ☒ D. 4

Q.47 An article was bought for ₹2,600. Its price was marked up by 20%. Thereafter, it was sold at a discount of 10% on the marked price. What was the profit percentage on the transaction?

- Ans
- ☒ A. 8%
 - ☒ B. 9%
 - ☒ C. 7%
 - ☒ D. 10%

Q.48 The sum of three numbers is 8784. If the ratio between the first and second numbers is 20 : 18 and that of between second and third is 21 : 12, then find the difference between the first and the third number.

- Ans
- ☒ A. 1786
 - ☒ B. 1768
 - ☒ C. 1687
 - ☒ D. 1678

Q.49 A shopkeeper buys an article for ₹12,000 and sells it for ₹13,500. Find his profit percentage.

- Ans
- ☒ A. 12.5%
 - ☒ B. 15%
 - ☒ C. 20%
 - ☒ D. 10.5%

Q.50 After selling an article at a discount of 20%, the profit percentage obtained is 32%. What is the markup percentage?

- Ans**
- ☐ A. 69%
 - ☐ B. 61%
 - ☐ C. 71%
 - ☒ D. 65%

Section : General Intelligence and Reasoning

Q.51 SG 11 is related to VH -6 in a certain way. In the same way, NM 19 is related to QN 2. To which of the given options is ON 2 related, following the same logic?

- Ans**
- ☐ A. SO -18
 - ☐ B. SP -18
 - ☒ C. RO -15
 - ☐ D. QP -15

Q.52 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 letter-cluster pair 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. GD-EB
 - ☐ B. CZ-AX
 - ☒ C. CZ-ZZ
 - ☐ D. DA-BY

Q.53 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 1 9 6 4 1 5 3 1 1 8 2 3 2 1 4 5 9 3 9 5 5 4 6 9 3 1 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 8
 - ☐ B. 11
 - ☐ C. 10
 - ☒ D. 9

Q.54 In a certain code language, 'ROUT' is coded as '1625' and 'AUTO' is coded as '1546'. What is the code for 'A' in the given code language?

- Ans**
- ☐ A. 5
 - ☐ B. 6
 - ☒ C. 4
 - ☐ D. 1

- Q.55 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:

All fruits are candies.

All fruits are sprouts.

Conclusions:

(I): Some candies are sprouts.

(II): All sprouts are fruits.

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

- Q.56 What should come in place of the question mark (?) in the given series?
113 99 85 71 57 ?

- Ans ☐ A. 47
☐ B. 39
☒ C. 43
☐ D. 45

- Q.57 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?

$$8 D 14 A 2 C 3 B 9 = ?$$

- Ans ☐ A. 26
☒ B. 28
☐ C. 25
☐ D. 27

- Q.58 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only two people sit between P and O when counted from the left of O. W sits third to the left of N. Y sits to the immediate right of N. Y sits second to the left of P. X is not an immediate neighbour of W. Who sits third to the right of M?

- Ans ☐ A. W
☒ B. Y
☐ C. O
☐ D. N

- Q.59 Five people, A, B, C, D and E are sitting in a row, facing north. D sits third from the left end of the line. E sits fifth from the left end of the line. B sits between A and D. Who sits at the extreme left end of the line?

- Ans ☐ A. C
☐ B. B
☐ C. E
☒ D. A

Q.60 Rahul starts from Point A and drives 9 km towards North. He then takes a right turn, drives 6 km, turns right and drives 14 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 5 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 degrees turns only unless specified)

- Ans**
- ☐ A. 4 km to the east
 - ☐ B. 4 km to the west
 - ☐ C. 3 km to the west
 - ☒ D. 3 km to the east

Q.61 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

PPR NQO LRL ? HTF

- Ans**
- ☐ A. IJG
 - ☐ B. KJU
 - ☐ C. LKJ
 - ☒ D. JSI

Q.62 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between F and B when counted from the right of F. Only two people sit between B and A when counted from the right of B. Only three people sit between F and E when counted from the right of F. D sits to the immediate left of C. How many people sit between F and G when counted from the left of F?

- Ans**
- ☐ A. Three
 - ☒ B. One
 - ☐ C. Four
 - ☐ D. Two

Q.63 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 statement(s).

Statements:

Some teachers are writers.

All writers are professionals.

Conclusions:

(I) Some professionals are teachers.

(II) All teachers are professionals.

- 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.64 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \$ 9 \$ 6 7 8 £ 5 1 8 2 £ 9 3 4 6 9 # 8 8 7 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ A. 1
 - ☐ B. 0
 - ☐ C. 3
 - ☐ D. 2

Q.65 Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below I. Only one box is kept above J. Only one box is kept between J and K. B is kept immediately above C. D is kept at some place below A.

How many boxes are kept between A and B?

- Ans** ☒ A. Four
☒ B. Two
☒ C. One
☒ D. Three

Q.66 Roshan ranked 54th from the top and 18th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 73
☒ B. 71
☒ C. 70
☒ D. 72

Q.67 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. FHM
☒ B. ACI
☒ C. LNT
☒ D. DFL

Q.68 PO 8 is related to SM -5 in a certain way. In the same way, QW 12 is related to TU -1. To which of the following is CJ 18 related, following the same logic?

- Ans** ☒ A. FH 5
☒ B. EG 5
☒ C. EH 7
☒ D. FG 7

Q.69 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

UXZ 79, QTV 77, MPR 75, ILN 73, ?

- Ans** ☒ A. FGJ 71
☒ B. EGJ 71
☒ C. EHJ 71
☒ D. FHJ 71

Q.70 In a certain code language, 'queen area add' is coded as 'mk ng uk' and 'game queen ant' is coded as 'ng oz ie'. How is 'queen' coded in the given language?

- Ans** ☒ A. ng
☒ B. oz
☒ C. mk
☒ D. uk

Q.71 Naveen starts from Point A and drives 11 km towards the south. He then takes a left turn, drives 5 km, turns left and drives 4 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 7 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 degrees turns only unless specified).

- Ans**
- ☐ A. 11 km towards the south
 - ☐ B. 5 km towards the north
 - ☐ C. 5 km towards the east
 - ☒ D. 11 km towards the west

Q.72 What should come in place of the question mark (?) in the given series?

532 530 526 520 512 ?

- Ans**
- ☐ A. 499
 - ☐ B. 501
 - ☒ C. 502
 - ☐ D. 498

Q.73 What should come in place of the question mark (?) in the given series?
5 7 11 19 ? 67

- Ans**
- ☒ A. 35
 - ☐ B. 34
 - ☐ C. 20
 - ☐ D. 44

Q.74 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?

12 C 16 B 15 A 8 D 14 = ?

- Ans**
- ☐ A. 29
 - ☐ B. 27
 - ☐ C. 23
 - ☒ D. 28

Q.75 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$312 + 6 \times 5 - 32 \div 300 = ?$

- Ans**
- ☐ A. 179
 - ☐ B. 186
 - ☒ C. 192
 - ☐ D. 180

Q.76 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

16, 29
25, 47

- Ans** ☒ A. 95, 186
☒ B. 62, 121
☒ C. 78, 152
☒ D. 84, 79

Q.77 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 1 3 8 4 5 1 6 3 7 1 9 2 5 9 4 8 5 5 3 1 2 2 1 6 2 8 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☒ A. 7
☒ B. 5
☒ C. 4
☒ D. 6

Q.78 This question is based on the five, three-digit numbers given below.

(Left) 458 569 248 671 349 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- Ans** ☒ A. Four
☒ B. One
☒ C. Three
☒ D. Two

Q.79 In a certain code language,
A + B means 'A is the sister of B',
A – B means 'A is the mother of B',
A × B means 'A is the husband of B' and
A ÷ B means 'A is the brother of B'.
Based on the above, how is T related to J if 'T + K ÷ S × U - J'?

- Ans** ☒ A. Mother's mother
☒ B. Father's sister
☒ C. Father's mother
☒ D. Mother's sister

Q.80 KP 15 is related to NL 7 in a certain way. In the same way, BL 5 is related to EH -3. To which of the given options is RP 18 related, following the same logic?

- Ans**
- ☐ A. UK 8
 - ☒ B. UL 10
 - ☐ C. VL 8
 - ☐ D. VK 10

Section : General Awareness and Current Affairs

Q.81 As per Union Budget 2025-26, for how many years has the Cotton Mission been planned to enhance cotton productivity, especially in extra-long staple varieties?

- Ans**
- ☐ A. 2 years
 - ☐ B. 12 years
 - ☐ C. 10 years
 - ☒ D. 5 years

Q.82 Who was named the Men's Player of the Year at the AIFF Awards 2025?

- Ans**
- ☒ A. Subhasish Bose
 - ☐ B. Brison Fernandes
 - ☐ C. Khalid Jamil
 - ☐ D. Vishal Kaith

Q.83 How many indigenously developed weapon systems were released by Defence Research and Development Organization (DRDO) in June 2024 to Indian armed forces under the emergency procurement clause?

- Ans**
- ☐ A. 38
 - ☐ B. 48
 - ☒ C. 28
 - ☐ D. 18

Q.84 Where was India's first wooden Gurdwara, Sri Nanak Niwas, constructed in Punjab in July 2025?

- Ans**
- ☐ A. Moga
 - ☐ B. Abohar
 - ☒ C. Fazilka
 - ☐ D. Khanna

Q.85 Who joined as the Mission Director of Atal Innovation Mission under NITI Aayog in 2025?

- Ans**
- ☒ A. Deepak Bagla
 - ☐ B. B S Subrahmanyam
 - ☐ C. V. K. Paul
 - ☐ D. Poonam Gupta

Q.86 How much carbon sink does the Revised Green India Mission (GIM) Plan released in 2025 aim to create by 2030?

- Ans**
- ☐ A. 2.5 billion tonnes
 - ☒ B. 3.39 billion tonnes
 - ☐ C. 1 billion tonnes
 - ☐ D. 4 billion tonnes

Q.87 Who among the following was appointed as a Whole-time Member (Life) at the Insurance Regulatory and Development Authority of India (IRDAI) in March 2025?

- Ans**
- ☐ A. Ajay Kumar Bhalla
 - ☐ B. Dinesh Khara
 - ☐ C. Ramesh B Iyer
 - ☒ D. Swaminathan S Iyer

Q.88 Which of the following female runners won the women's race in the Paris Marathon 2025?

- Ans**
- ☒ A. Bedatu Hirpa
 - ☐ B. Angela Tanui
 - ☐ C. Letesenbet Gidey
 - ☐ D. Dera Dida

Q.89 In June 2025, the Government of India launched which of the following new disaster management tech platforms?

- Ans**
- ☐ A. Indian Control Room for Emergency Response
 - ☒ B. Integrated Control Room for Emergency Response
 - ☐ C. Integrated Centre Room for Emergency Response
 - ☐ D. Integrated Common Response for Emergency Response

Q.90 Which Pakistani female cricketer was inducted into the ICC Hall of Fame in June 2025?

- Ans**
- ☐ A. Nida Dar
 - ☐ B. Bismah Maroof
 - ☒ C. Sana Mir
 - ☐ D. Diana Baig

Q.91 World Ocean Day 2025, observed on 8 June, emphasised which of the following themes?

- Ans**
- ☒ A. Wonder: Sustaining what sustains us
 - ☐ B. Sustain the Sea
 - ☐ C. Revive Ocean Life
 - ☐ D. Blue Future, Green Planet

Q.92 In 2025, which Union Minister inaugurated the Khelo India multipurpose hall in Kamle district, Arunachal Pradesh?

- Ans**
- ☐ A. Dharmendra Pradhan
 - ☒ B. Mansukh Mandaviya
 - ☐ C. Anurag Thakur
 - ☐ D. Kiren Rijiju

Q.93 Which of the following services have been integrated into the newly revamped Mission Vatsalya Portal launched by the Ministry of Women and Child Development in July 2025?

- Ans**
- ☐ A. Pradhan Mantri Matru Vandana Yojana and Sakhi
 - ☒ B. TrackChild and Khoya-Paya Services
 - ☐ C. Beti Bachao Beti Padhao and Childline 1098
 - ☐ D. Poshan Abhiyaan and Ujjawala Scheme

Q.94 Which of the following labs under the Defence Research and Development Organisation (DRDO), successfully conducted high-altitude trials of the Indigenous On-Board Oxygen Generating System (OBOGS)-based Integrated Life Support System (ILSS) for the LCA Tejas aircraft, on March 04, 2025?

- Ans**
- ☐ A. Defence Electronics Research Laboratory (DLRL)
 - ☐ B. Aerial Delivery Research and Development Establishment (ADRDE)
 - ☒ C. Defence Bio-Engineering & Electro Medical Laboratory (DEBEL)
 - ☐ D. Defence Laboratory Jodhpur (DLJ)

Q.95 In June 2025, the Bonn Climate Change Conference 2025 was held in:

- Ans**
- ☐ A. Switzerland
 - ☐ B. Paris
 - ☐ C. France
 - ☒ D. Germany

Q.96 In July 2025, which investigative authority unearthed over ₹24 crore in unaccounted assets in Karnataka?

- Ans**
- ☐ A. Income Tax Department
 - ☐ B. Central Bureau of Investigation
 - ☒ C. Karnataka Lokayukta
 - ☐ D. Enforcement Directorate

Q.97 As of April 2025, which Ministry/Department approved 10 Plastic Parks in different states under the Scheme for Setting up of Plastic Parks in India?

- Ans**
- ☐ A. Ministry of Power
 - ☒ B. Department of Chemicals and Petro-Chemicals
 - ☐ C. Ministry of Environment, Forest and Climate Change
 - ☐ D. Department of Pharmaceuticals

Q.98 Who inaugurated the newly established Hedging Desk in Pune in 2025?

- Ans**
- ☐ A. Eknath Shinde
 - ☐ B. Uddhav Thackeray
 - ☒ C. Devendra Fadnavis
 - ☐ D. Sharad Pawar

Q.99 What is the name of Google's largest campus in India, unveiled in February 2025, that marks a milestone in the ongoing seismic shift in technology?

- Ans**
- ☐ A. Kshitij
 - ☒ B. Ananta
 - ☐ C. Vishaal
 - ☐ D. Mahakaya

Q.100 Which of the following is the goal of the India AI Safety Institute set up in January 2025?

- Ans**
- ☒ A. Ensuring safe and ethical AI
 - ☐ B. Promoting online gaming
 - ☐ C. Regulating social media ads
 - ☐ D. Developing quantum computers



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Moula Ali
Test Date	02/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following correctly identifies a solution where the solute and solvent are both elements, and the solution is homogeneous?

- Ans
- ☒ A. Iron filings mixed with Sulphur
 - ☒ B. Carbon dissolved in water
 - ☒ C. Oxygen mixed with Nitrogen in air
 - ☒ D. Sugar dissolved in water

Q.2 The work required by an external force to bring a moving body to rest is equal to:

- Ans
- ☒ A. its kinetic energy
 - ☒ B. its potential energy
 - ☒ C. its weight
 - ☒ D. its momentum

Q.3 The working principle of a stethoscope is based on the ____.

- Ans
- ☒ A. conversion of sound into electric signals only
 - ☒ B. absorption of high-frequency sound
 - ☒ C. conversion of sound into light for observation
 - ☒ D. reflection of sound

Q.4 How does fumigation help in the safe storage of food grains?

- Ans
- ☒ A. It increases the weight of the grains.
 - ☒ B. It kills pests and insects that could otherwise damage stored grains.
 - ☒ C. It prevents moisture loss from grains.
 - ☒ D. It adds nutrients to the grains.

Q.5 For concave mirror, the height of an image above the principal axis ____.

- Ans
- ☒ A. is considered zero
 - ☒ B. depends on object position
 - ☒ C. is considered negative
 - ☒ D. is considered positive

Q.6 When lead nitrate reacts with potassium iodide, a yellow precipitate of compound 'X' is formed. Identify compound X.

- Ans**
- ☐ A. Potassium nitrate (KNO_3)
 - ☒ B. Lead(II) iodide (PbI_2)
 - ☐ C. Lead(II) nitrate [$\text{Pb}(\text{NO}_3)_2$]
 - ☐ D. Lead(II) nitrite [$\text{Pb}(\text{NO}_2)_2$]

Q.7 A body moves along a straight line with varying speed. Its displacement in 10 s is 50 m. What is the average velocity?

- Ans**
- ☒ A. 5 m/s
 - ☐ B. 25 m/s
 - ☐ C. 50 m/s
 - ☐ D. 10 m/s

Q.8 Which of the following is a function of the Smooth Endoplasmic Reticulum (SER)?

- Ans**
- ☒ A. Manufacture of lipids
 - ☐ B. Modification of sugars
 - ☐ C. Synthesis of proteins
 - ☐ D. Assembly of ribosomes

Q.9 Which functional group present in aldehyde?

- Ans**
- ☐ A. $-\text{CO}$
 - ☐ B. $-\text{COOH}$
 - ☒ C. $-\text{CHO}$
 - ☐ D. $-\text{OH}$

Q.10 Which of the following statements about electric field lines is correct?

- Ans**
- ☐ A. They start on negative charges and end on positive charges
 - ☒ B. They never intersect
 - ☐ C. They can form closed loops
 - ☐ D. They are always straight lines

Q.11 A car starts to move from rest and attains a velocity of 20 m/s in 4 seconds. What is the acceleration of the car?

- Ans**
- ☐ A. 80 m/s^2
 - ☐ B. 4 m/s^2
 - ☒ C. 5 m/s^2
 - ☐ D. 100 m/s^2

Q.12 A man undergoes a minor surgical procedure that prevents sperm from mixing with semen. Which structure was most likely altered?

- Ans**
- ☐ A. Penis
 - ☐ B. Testis
 - ☒ C. Vas deferens
 - ☐ D. Urethra

Q.13 Which of the following statements is true for a concave lens?

- Ans**
- ☐ A. Image is always virtual and on the opposite side
 - ☐ B. Image is always real
 - ☒ C. Image is always virtual, erect, and on the same side as the object
 - ☐ D. Image is much larger than object

Q.14 Ethanol is miscible with water due to presence of which functional group?

- Ans
- ☐ A. Carboxyl group
 - ☒ B. Hydroxyl group
 - ☐ C. Double bond
 - ☐ D. Carbon chain

Q.15 Which of the following alcohols is commonly used as a fuel or fuel additive?

- Ans
- ☐ A. Methanol
 - ☐ B. Propanol
 - ☒ C. Ethanol
 - ☐ D. Butanol

Q.16 Which of the following statements about adrenaline is INCORRECT?

- Ans
- ☐ A. It helps the body respond to stress or emergency by triggering the 'fight or flight' response.
 - ☒ B. It promotes digestion by increasing blood flow to the stomach.
 - ☐ C. It reduces blood supply to the digestive system and directs it toward the skeletal muscles.
 - ☐ D. It increases heart rate and breathing rate to supply more oxygen to the muscles.

Q.17 Which part of the neuron contains the nucleus and the cytoplasm?

- Ans
- ☐ A. Dendrites
 - ☐ B. Nerve endings
 - ☐ C. Axon
 - ☒ D. Cell body

Q.18 Which of the following is a biological method of crop protection?

- Ans
- ☒ A. Introducing pest predators
 - ☐ B. Spraying DDT
 - ☐ C. Burning crop residues
 - ☐ D. Ploughing

Q.19 Which of the following statements correctly describes a typical physical property of metals?

- Ans
- ☐ A. Metals are poor conductors of heat and electricity.
 - ☐ B. Metals have low melting and boiling points.
 - ☐ C. Metals are generally brittle and break easily when hammered.
 - ☒ D. Metals are sonorous and produce sound when struck.

Q.20 What happens to the density of a substance when the temperature of a substance increases?

- Ans
- ☐ A. Density increases
 - ☐ B. Density has no effect
 - ☒ C. Density decreases
 - ☐ D. Density doubles

Q.21 Which of the following helps in maintaining reproductive health?

- Ans
- ☐ A. Early marriage
 - ☐ B. Junk food
 - ☒ C. Health education and medical care
 - ☐ D. Ignoring hygiene

Q.22 Which of the following quantities does NOT affect the buoyant force acting on a body immersed in a fluid?

- Ans**
- ☐ A. Density of fluid
 - ☒ B. Density of object
 - ☐ C. Volume of displaced fluid
 - ☐ D. Gravitational acceleration

Q.23 Electric current is expressed as:

- Ans**
- ☒ A. rate of flow of electric charge
 - ☐ B. energy consumed per unit time
 - ☐ C. amount of charge per unit area
 - ☐ D. amount of charge per unit length

Q.24 Which of the following is true about heterogeneous mixtures?

- Ans**
- ☐ A. The composition is the same throughout
 - ☐ B. The components cannot be separated
 - ☐ C. It behaves like a compound
 - ☒ D. The individual substances retain their properties

Q.25 The DNA in the cell nucleus is the information source for the making of which of the following substances?

- Ans**
- ☐ A. Glucose
 - ☐ B. Lipid
 - ☐ C. Fructose
 - ☒ D. Protein

Section : Mathematics

Q.26 Thomas is 38 years old. His nephew is 26 years younger than him. In how many years will Thomas's age be 14 years less than three times his nephew's age?

- Ans**
- ☐ A. 2
 - ☐ B. 5
 - ☐ C. 3
 - ☒ D. 8

Q.27 Simplify: $(2^4)^3 \times (2^5)^2 \div 2^7$

- Ans**
- ☐ A. 210
 - ☐ B. 27
 - ☒ C. 215
 - ☐ D. 212

Q.28 $\frac{1}{20}$ is what percentage of $\frac{10}{100}$?

- Ans**
- ☐ A. 60%
 - ☐ B. 100%
 - ☐ C. 65%
 - ☒ D. 50%

Q.29 The value of $999.99 + 99.99 + 9.99$ is:

- Ans ☒ A. 1109.97
☐ B. 1999.9
☐ C. 1109.99
☐ D. 1119.99

Q.30 A sum of money was invested at simple interest at a certain rate for 4 years. Had it been invested at a 3% per annum higher rate, it would have fetched ₹960 more. Find the principal.

- Ans ☐ A. ₹8,300
☒ B. ₹8,000
☐ C. ₹7,500
☐ D. ₹7,800

Q.31 Water flows through a cylindrical pipe of diameter 14 cm at a speed of 15 km/hr into a rectangular tank 50 m long and 44 m wide. How long will it take for the water level in the tank to rise by 21 cm?

- Ans ☒ A. 2 hours
☐ B. 2.5 hours
☐ C. 1.5 hours
☐ D. 3 hours

Q.32 Prakhar and Riya together invested ₹33,500 in a business. At the end of the year, out of a total profit of ₹6,700, Prakhar's share was ₹2,000. What was Prakhar's investment?

- Ans ☐ A. ₹8,540
☐ B. ₹10,370
☒ C. ₹10,000
☐ D. ₹11,210

Q.33 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at point T (inside the quadrilateral) and $\angle STR = 24^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans ☐ A. 17°
☐ B. 15°
☐ C. 11°
☒ D. 12°

Q.34 One pipe can fill a tank in 3 minutes, while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans ☐ A. 4
☒ B. 1
☐ C. 3
☐ D. 2

Q.35 Ravi's father is 4 times as old as Ravi. After 5 years, the father's age will be 3 times Ravi's age. What is Ravi's present age?

- Ans ☐ A. 18 years
☐ B. 15 years
☐ C. 12 years
☒ D. 10 years

Q.36 A car travels from City A to City B, a distance of 150 km, at a speed of 60 km/hr. On the way back, due to heavy traffic, the car's speed decreases. If the total time for the round trip is 7 hours 30 min, what is the speed during the return trip?

- Ans**
- ☐ A. 36 km/hr
 - ☒ B. 30 km/hr
 - ☐ C. 45 km/hr
 - ☐ D. 42 km/hr

Q.37 X people were given a contract for doing a piece of work in 28 days. 5 people did not turn up to work due to sickness, and the rest of the people completed the work in 30 days. What is the value of X?

- Ans**
- ☐ A. 82
 - ☒ B. 75
 - ☐ C. 74
 - ☐ D. 65

Q.38 The curved surface area of a cylinder is 528 m^2 and its volume is 1848 m^3 . Find the total surface area (in m^2) of the cylinder. (Take $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 840
 - ☐ B. 832
 - ☒ C. 836
 - ☐ D. 842

Q.39 If $\cos \alpha = \frac{5}{13}$, where α is acute, find the value of $\sec \alpha - \tan \alpha$.

- Ans**
- ☐ A. $\frac{4}{5}$
 - ☐ B. $\frac{13}{12}$
 - ☒ C. $\frac{1}{5}$
 - ☐ D. $\frac{5}{12}$

Q.40 If a X m long train running at a speed of 59 m/sec crosses a railway platform in 9 sec. Find the value of X, if the length of the railway platform is 279 m.

- Ans**
- ☐ A. 262
 - ☒ B. 252
 - ☐ C. 256
 - ☐ D. 253

Q.41 A manufacturer sells a transistor for ₹840 at a gain of 20% to a shopkeeper. The shopkeeper then sells it to a customer at a profit of 10%. What is the difference between the cost price to the manufacturer and the cost price to the customer (in ₹)?

- Ans**
- ☐ A. 345
 - ☒ B. 224
 - ☐ C. 250
 - ☐ D. 200

Q.42 The average age of 40 students of a class is 33 years. If the age of the teacher is also included, the average age of the whole group becomes 34 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 77
 - ☐ B. 73
 - ☒ C. 74
 - ☐ D. 76

Q.43 If 20% of a number is added to 84, then the result is the same number. 65% of the same number is:

- Ans**
- ☐ A. 78.25
 - ☐ B. 98.25
 - ☐ C. 88.25
 - ☒ D. 68.25

Q.44 The LCM of two numbers is four times their HCF. The sum of their LCM and HCF is 140. If one of the numbers is 112, find the other number.

- Ans**
- ☐ A. 26
 - ☐ B. 27
 - ☐ C. 25
 - ☒ D. 28

Q.45 Aakash, Suman and Raj invest ₹1,720, ₹1,690 and ₹1,240, respectively, to start a business. If the profit at the end of the year is ₹1,440, then what is the share of Raj in the profit?

- Ans**
- ☒ A. ₹384
 - ☐ B. ₹381
 - ☐ C. ₹385
 - ☐ D. ₹382

Q.46 In an examination, the percentage of students who qualified from school X to the number of students who appeared from that school is 80%. In school Y, the number of students who appeared is 15% more than those from school X, and the number of students who qualified is 30% more than the number of students qualified from school X. What is the percentage of students qualified to the number of students who appeared from school Y (rounded off to one decimal place)?

- Ans**
- ☐ A. 80.4%
 - ☒ B. 90.4%
 - ☐ C. 84.6%
 - ☐ D. 88.8%

Q.47 If $a + \frac{1}{a} = 12$, then find the value of $a^2 + \frac{1}{a^2}$.

- Ans**
- ☒ A. 142
 - ☐ B. 140
 - ☐ C. 138
 - ☐ D. 144

Q.48 A shopkeeper marks the price of an article at ₹5,360. Find the cost price if after allowing a discount of 8% he still gains 34% on the cost price.

- Ans**
- ☐ A. ₹3,622
 - ☒ B. ₹3,680
 - ☐ C. ₹3,557
 - ☐ D. ₹3,686

Q.49 In a group of 150 players consisting of males and females, 58% are males. The average weight of the male players is 82 kg, while that of the female players is 72 kg. Find the average weight (in kg) of all the players in the group.

- Ans** ☒ A. 77.2
☒ B. 75.9
☒ C. 76.4
☒ D. 77.8

Q.50 Arrange the following schemes in the ascending order of their discounts.

- A. Buy 5 get 6 free.
B. A single discount of 82%.
C. Two successive discounts of 11% and 24%.

- Ans** ☒ A. A, B, C
☒ B. C, B, A
☒ C. B, C, A
☒ D. C, A, B

Section : General Intelligence and Reasoning

Q.51 D, E, F, G, L, M and N are sitting in a straight line facing north.
No one sits to the left of D. Only four people sit between D and G. Only three people sit to the right of M. L sits to the immediate left of E. N is not an immediate neighbour of M.
Who sits at the rightmost end of the line?

- Ans** ☒ A. G
☒ B. N
☒ C. F
☒ D. D

Q.52 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

MANY - YMNA - MYAN
WING - GWNI - WGIN

- Ans** ☒ A. LADY - YLDA - LAYD
☒ B. UNIT - TUIN - UTNI
☒ C. DUSK - KDUS - USKD
☒ D. ROSE - ORSE - EOSR

Q.53 In a certain code language, 'FIRE' is coded as '2739' and 'RISE' is coded as '3978'.
What is the code for 'S' in the given code language?

- Ans** ☒ A. 9
☒ B. 3
☒ C. 8
☒ D. 7

Q.54 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$428 \div 2 + 183 \times 3 - 127 = ?$$

- Ans** ☒ A. 922
☒ B. 942
☒ C. 811
☒ D. 821

Q.55 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits to the immediate left of F. C sits second to the right of F. E sits third to the left of B. D sits to the immediate right of A.
How many people sit between G and D when counted from the left of G?

- Ans**
- ☐ A. Five
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. Two

Q.56 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:

All chalan are tax.

All chalan are rebate.

Conclusions:

(I): Some tax are rebate.

(II): All rebate are chalan.

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

Q.57 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 letter-cluster pair 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. DG-BE
 - ☐ B. HK-FJ
 - ☐ C. FI-DH
 - ☐ D. JM-HL

Q.58 What should come in place of the question mark (?) in the given series?

23 40 57 74 91 ?

- Ans**
- ☒ A. 108
 - ☐ B. 105
 - ☐ C. 106
 - ☐ D. 107

Q.59 Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only I is kept above C. Only L is kept between C and J. Only K is kept below D. How many boxes are kept between B and I?

- Ans**
- ☐ A. Two
 - ☐ B. One
 - ☒ C. Three
 - ☐ D. Four

Q.60 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(46, 56, 10)

(22, 33, 11)

- Ans**
- ☒ A. (4, 17, 10)
 - ☒ B. (12, 29, 14)
 - ☒ C. (15, 20, 5)
 - ☒ D. (35, 63, 25)

Q.61 What should come in place of the question mark (?) in the given series?

310 320 321 331 332 342 ?

- Ans**
- ☒ A. 344
 - ☒ B. 342
 - ☒ C. 343
 - ☒ D. 341

Q.62 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BEST - TSBE - BSET

COWS - SWCO - CWOS

- Ans**
- ☒ A. PAGE - EGPA - AGPE
 - ☒ B. SALT - SLAT - TLAS
 - ☒ C. URIC - RIUC - RICU
 - ☒ D. MADE - EDMA - MDAE

Q.63 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NG-LE-JL

KD-IB-GI

- Ans**
- ☒ A. RJ-OG-MP
 - ☒ B. QJ-OH-MO
 - ☒ C. RJ-OH-MP
 - ☒ D. QJ-OH-MP

Q.64 This question is based on the following words.

(Left) TOK, THE, HAS, ALL, COW (Right)

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Four

Q.65 In a certain code language,
A + B means 'A is the father of B',
A - B means 'A is the mother of B',
A * B means 'A is the sister of B' and
A ÷ B means 'A is the brother of B'.
Based on the above, how is P related to T if 'P - Q * R + S ÷ T'?

- Ans**
- ☐ A. Sister
 - ☐ B. Mother's mother
 - ☐ C. Mother's sister
 - ☒ D. Father's mother

Q.66 This question is based on the five, three-digit numbers given below.

(Left) 548 658 254 369 714 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is multiplied with the the third digit of the lowest number?

- Ans**
- ☒ A. 20
 - ☐ B. 19
 - ☐ C. 18
 - ☐ D. 17

Q.67 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 7 4 5 5 4 7 9 8 4 3 9 2 1 5 7 9 7 8 3 3 8 2 1 9 6 9 7 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. One
 - ☐ B. More than three
 - ☐ C. Three
 - ☒ D. Two

Q.68 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 8 2 7 3 9 8 5 3 9 4 1 4 8 9 8 3 8 5 6 4 8 4 5 8 4 6 (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. Three
 - ☐ B. Two
 - ☐ C. Five
 - ☐ D. Four

Q.69 Shantanu starts from Point A and drives 4 km towards the north. He then takes a right turn, drives 5 km, then turns right and drives 7 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 km, and then 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 towards east
☐ B. 5 km towards north
☐ C. 9 km towards south
☐ D. 4 km towards west

Q.70 What should come in place of the question mark (?) in the given series?

312 310 306 300 292 282 ?

- Ans** ☐ A. 276
☐ B. 272
☒ C. 270
☐ D. 274

Q.71 Mr. Akai starts from Point A and drives 5 km towards south. He then takes a right turn, drives 15 km, turns right and drives 24 km. He then takes a right turn and drives 29 km. He takes a final right turn, drives 19 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 degrees turns only unless specified)

- Ans** ☐ A. 10 km to the south
☐ B. 10 km to the north
☒ C. 14 km to the west
☐ D. 14 km to the east

Q.72 Which letter cluster will replace the question mark (?) to complete the given series?
ILL LKN OJP RIR ?

- Ans** ☐ A. JMK
☐ B. OLI
☒ C. UHT
☐ D. MKP

Q.73 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 is the letter-cluster that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ A. MIG
☐ B. FBZ
☐ C. XTR
☒ D. CZW

- Q.74** 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:

All denims are trousers.
All trousers are shoes.

Conclusions:

(I): Some shoes are trousers.
(II): All denims are shoes.

- 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.75** A, B, C, D, W, X and Y are sitting in a straight line, facing the north. Only two people sit to the right of X. Only two people sit between X and C. Only two people sit between A and D. D sits to the immediate left of X. B sits to the immediate right of Y.
Who sits at the third position from the left end of the line?
- Ans** ☒ A. W
☒ B. A
☒ C. D
☒ D. C
- Q.76** Each of the digits in the number 5628743 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?
- Ans** ☒ A. One
☒ B. Three
☒ C. None
☒ D. Two
- Q.77** Riddhima ranked 18th from the top and 43rd from the bottom in his class. How many students are there in the class?
- Ans** ☒ A. 60
☒ B. 61
☒ C. 43
☒ D. 50
- Q.78** 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?
- 10 B 2 C 7 D 8 A 2 = ?
- Ans** ☒ A. 22
☒ B. 23
☒ C. 24
☒ D. 21

Q.79 In a certain code language, 'CLAW' is coded as '3948' and 'FLAW' is coded as '9748'. What is the code for 'F' in that language?

- Ans**
- ☐ A. 8
 - ☐ B. 9
 - ☐ C. 4
 - ☒ D. 7

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
KM 17, NP 20, QS 23, TV 26, ?

- Ans**
- ☐ A. XY 29
 - ☐ B. WY 30
 - ☒ C. WY 29
 - ☐ D. XY 30

Section : General Awareness and Current Affairs

Q.81 Who among the following was elected as the President of South Korea in June 2025?

- Ans**
- ☐ A. Lee Jun-seok
 - ☐ B. Kim Moon-soo
 - ☐ C. Yoon Suk Yeol
 - ☒ D. LeeJae-myung

Q.82 With which defense organisation has the Indian Navy jointly conducted successful combat trials of the indigenously developed Multi-Influence Ground Mine (MIGM) in May 2025?

- Ans**
- ☐ A. Armed Forces Tribunal
 - ☐ B. Bharat Dynamics
 - ☒ C. Defense Research and Development Organisation
 - ☐ D. Hindustan Aeronautics

Q.83 Up to what depth will India's first manned deep ocean mission 'Samudrayaan' be launched, using the manned submersible vehicle 'Matsya,' by the end of 2026?

- Ans**
- ☐ A. 8,000 metres
 - ☐ B. 9,500 metres
 - ☐ C. 4,500 metres
 - ☒ D. 6,000 metres

Q.84 In 2025, which Indian female athlete set a new national record in the 3000 m steeplechase event?

- Ans**
- ☐ A. Annu Rani
 - ☒ B. Parul Chaudhary
 - ☐ C. Jyothi Yarraji
 - ☐ D. Hima Das

Q.85 In which country was the FIG Apparatus World Cup 2025, where Pranati Nayak won bronze, held?

- Ans**
- ☐ A. Japan
 - ☐ B. India
 - ☒ C. Turkey
 - ☐ D. Germany

Q.86 What was the theme of the 9th International Maritime Security Conference (IMSC) organised by the Republic of Singapore in May 2025?

- Ans**
- ☐ A. Maritime Connectivity and Economic Growth
 - ☒ B. Safe and Secure Seas
 - ☐ C. Emerging Challenges in Undersea Technologies
 - ☐ D. Navigating New Horizons in Maritime Innovation

Q.87 According to the Finland-based Centre for Research on Energy and Clean Air (CREA), which region was identified as the most polluted zone in India in October 2025?

- Ans**
- ☐ A. Western Ghats
 - ☐ B. Eastern Himalayas
 - ☐ C. Deccan Plateau
 - ☒ D. Indo-Gangetic Plain

Q.88 Who among the following won the International Booker Prize in 2025 for 'Heart Lamp'?

- Ans**
- ☐ A. Arundhati Roy
 - ☐ B. Salman Rushdie
 - ☒ C. Banu Mushtaq
 - ☐ D. Kiran Desai

Q.89 What was the theme of National Doctor's Day in 2025?

- Ans**
- ☐ A. Family Doctors on the Front Line
 - ☐ B. Celebrating Resilience and Healing Hands
 - ☐ C. Healing Hands, Caring Hearts
 - ☒ D. Behind the Mask: Who Heals the Healers?

Q.90 How many Kirti Chakras were conferred during the Defence Investiture Ceremony 2025 (Phase-I)?

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

Q.91 In May 2025, which of the following two companies received Reserve Bank of India's (RBI) in-principle approval for cross-border payment aggregation?

- Ans**
- ☐ A. Amazon Pay and Instamojo
 - ☐ B. Google Pay and Stripe
 - ☒ C. PayPal and Worldline
 - ☐ D. PhonePe and Razorpay

Q.92 According to the Reserve Bank of India's announcement in May 2025, which denomination of the Mahatma Gandhi (New) Series banknote, carrying the signature of the new RBI Governor, Sanjay Malhotra, is set to be released?

- Ans**
- ☐ A. ₹200
 - ☐ B. ₹100
 - ☒ C. ₹20
 - ☐ D. ₹5

Q.93 As announced by Indian Space Research Organisation (ISRO) in February 2025, what is the weight of the world's largest vertical propellant mixer for solid rocket motors?

- Ans**
- ☐ A. 13 tonnes
 - ☒ B. 10 tonnes
 - ☐ C. 7 tonnes
 - ☐ D. 5 tonnes

Q.94 Which Indian state leads in mangrove afforestation under MISHTI scheme as of February 2025?

- Ans**
- ☐ A. Andhra Pradesh
 - ☐ B. West Bengal
 - ☒ C. Gujarat
 - ☐ D. Odisha

Q.95 In May 2025, what change did the Supreme Court make regarding environmental clearances (EC)?

- Ans**
- ☐ A. Approved retrospective clearances
 - ☐ B. Allowed clearances without public hearings
 - ☐ C. Made ECs optional
 - ☒ D. Rejected retrospective ECs as illegal

Q.96 Vaidya Tara Chand Sharma, Vaidya Maya Ram Uniyal and Vaidya Sameer Govind Jamadagni were the recipients of which of the following awards in 2025?

- Ans**
- ☒ A. National Dhanwantari Ayurveda Awards
 - ☐ B. National Award to Teachers
 - ☐ C. National Florence Nightingale Awards
 - ☐ D. Nelson Mandela Award for Health Promotion

Q.97 What was the distance Krishna Jayasankar achieved in her record-breaking indoor shot put performance in 2025?

- Ans**
- ☐ A. 14.2 m
 - ☐ B. 17.5 m
 - ☒ C. 16.03 m
 - ☐ D. 12.7 m

Q.98 Which IIHF goaltender was named MVP of the 2025 World Championship?

- Ans**
- ☐ A. Zach Werenski
 - ☐ B. Nick Olesen
 - ☐ C. David Pastrňák
 - ☒ D. Leonardo Genoni

Q.99 In a landmark judgment on 8 April 2025, the Supreme Court deemed which state governor's refusal to assent to 10 state bills as illegal and unconstitutional?

- Ans**
- ☐ A. Andhra Pradesh
 - ☐ B. Telangana
 - ☒ C. Tamil Nadu
 - ☐ D. Maharashtra

Q.100 What was the name of the military operation launched by the Indian Armed Forces in response to the Pahalgam terror attack in 2025?

- Ans**
- ☐ A. Operation SAUBHAGYA
 - ☐ B. Operation SUHAGAN
 - ☒ C. Operation SINDOOR
 - ☐ D. Operation MANGALSUTRA



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Radha Raman Assessment Services Private Limited
Test Date	02/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following will NOT show Tyndal effect?

- Ans
- ☒ A. Starch
 - ☒ B. Milk
 - ☒ C. Copper sulphate solution
 - ☒ D. Emulsion

Q.2 If the mass of the moon is doubled while keeping the distance between Earth and the moon constant, the gravitational force between Earth and the moon would:

- Ans
- ☒ A. Become zero
 - ☒ B. Double
 - ☒ C. Half
 - ☒ D. Remain the same

Q.3 Which statement is INCORRECT about fragmentation (asexual reproduction)?

- Ans
- ☒ A. Produces genetically identical offspring
 - ☒ B. Spore formation is a type of fragmentation process
 - ☒ C. Involves maturation before splitting
 - ☒ D. Occurs in multicellular organisms

Q.4 The following vehicles are all moving at a velocity of 50 km/hr. All the vehicles need to be stopped at the same point. Which vehicle has to apply more force in breaks to stop the vehicle?

- Ans
- ☒ A. Scooter
 - ☒ B. Car
 - ☒ C. Bicycle
 - ☒ D. Bus

Q.5 The covalent bonding behaviour of the carbon compounds corresponds to which of the following characteristics of these compounds?

- Ans
- ☒ A. Low melting point
 - ☒ B. Both low melting and boiling point
 - ☒ C. Low boiling point
 - ☒ D. High conductance

Q.6 If a device is rated 90 W at 120 V, the current drawn is _____.

- Ans**
- ☐ A. 0.25 A
 - ☐ B. 1.33 A
 - ☒ C. 0.75 A
 - ☐ D. 1.50 A

Q.7 Apiaries help us in the production of which of the following food materials?

- Ans**
- ☒ A. Honey
 - ☐ B. Fish
 - ☐ C. Milk
 - ☐ D. Poultry egg

Q.8 A white solid reacts with dilute HCl, producing a gas that turns lime water milky. What can be definitely concluded?

- Ans**
- ☐ A. The solid is calcium carbonate.
 - ☐ B. The solid is a metal carbonate, releasing carbon dioxide.
 - ☒ C. The gas is carbon dioxide; the solid is either a carbonate or bicarbonate.
 - ☐ D. The gas is hydrogen, indicating a reactive metal.

Q.9 When a person looks at a nearby object, the ciliary muscles:

- Ans**
- ☐ A. Contract and make the lens thinner
 - ☒ B. Contract and make the lens thicker
 - ☐ C. Relax and make the lens thicker
 - ☐ D. Relax and make the lens thinner

Q.10 In which of the following forms of reproduction, both sexes, males and females are needed to produce new generations?

- Ans**
- ☒ A. Sexual reproduction
 - ☐ B. Fragmentation
 - ☐ C. Spore formation
 - ☐ D. Budding

Q.11 Which of the following statements is correct about the image formed by a convex mirror?

- Ans**
- ☐ A. Real and erect image
 - ☒ B. Virtual and erect image
 - ☐ C. Magnified image
 - ☐ D. Real and inverted image

Q.12 Which of the following groups is most at risk of HIV infections?

- Ans**
- ☐ A. People who maintain personal hygiene
 - ☐ B. People who do not exercise regularly
 - ☒ C. Individuals who have multiple unprotected sexual partners
 - ☐ D. People who exercise regularly

Q.13 Which of the following statements about movement is INCORRECT?

- Ans**
- ☒ A. Molecular movement is only found in animals, not plants.
 - ☐ B. Growth-related movement in plants, like bending toward light, is a form of movement.
 - ☐ C. Movement is a characteristic of living organisms.
 - ☐ D. Living organisms show internal or molecular movement, even when external movement is not visible.

Q.14 Over-secretion of growth hormone in adults results in which of the following?

- Ans**
- ☐ A. Addison's disease
 - ☐ B. Graves' disease
 - ☒ C. Acromegaly
 - ☐ D. Dwarfism

Q.15 Which of the following is the most common simple permanent tissue in plants?

- Ans**
- ☐ A. Sclerenchyma
 - ☐ B. Chlorenchyma
 - ☒ C. Parenchyma
 - ☐ D. Aerenchyma

Q.16 Which of the following is a chemical property?

- Ans**
- ☐ A. Fluidity
 - ☐ B. Boiling point
 - ☐ C. Melting point
 - ☒ D. Burning in air

Q.17 Which of the following is formed by each step of the food chain?

- Ans**
- ☐ A. Ozone layer
 - ☐ B. Troposphere level
 - ☐ C. Stratosphere level
 - ☒ D. Trophic level

Q.18 Which of the following properties makes ethanol a better alternative fuel compared to petrol?

- Ans**
- ☐ A. Ethanol is a solid fuel
 - ☒ B. Ethanol burns with a clean, smokeless flame
 - ☐ C. Ethanol has a higher boiling point than petrol
 - ☐ D. Ethanol produces harmful smoke when burned

Q.19 What is the chemical formula of baking soda?

- Ans**
- ☒ A. NaHCO_3
 - ☐ B. NaCl
 - ☐ C. NaOH
 - ☐ D. Na_2CO_3

Q.20 What is the molecular mass of glucose? (C = 12 u, H = 1 u, O = 16 u)

- Ans**
- ☐ A. 160 u
 - ☐ B. 120 u
 - ☐ C. 150 u
 - ☒ D. 180 u

Q.21 How does the sound of a patient's heartbeat reach the doctor's ears through a stethoscope?

- Ans**
- ☐ A. The sound is carried by moving air from the chest to the doctor's ears.
 - ☒ B. In stethoscopes, the sound of the patient's heartbeat reaches the doctor's ears by multiple reflection of sound.
 - ☐ C. The sound travels directly through the stethoscope without any reflection.
 - ☐ D. The stethoscope uses electricity to amplify the heartbeat sound.

Q.22 The kinetic energy of a body of mass m moving with a velocity v m/s is 'X' J. If the velocity of the body changes to $4v$ m/s, what will be the value of kinetic energy?

- Ans**
- ☐ A. $4X$ J
 - ☒ B. $16X$ J
 - ☐ C. $8X$ J
 - ☐ D. $2X$ J

Q.23 A cube of side a is made of a material of resistivity ρ . What will be the resistance between two opposite faces of the cube?

- Ans**
- ☐ A. $2\rho a$
 - ☐ B. ρa
 - ☐ C. ρ/a^2
 - ☒ D. ρ/a

Q.24 What is the motion of an object called when it travels along a circular path at a constant speed?

- Ans**
- ☐ A. Non-uniform circular motion
 - ☒ B. Uniform circular motion
 - ☐ C. Non-linear motion
 - ☐ D. Linear motion

Q.25 The _____ ores are converted to their respective oxides by the process of roasting.

- Ans**
- ☐ A. carbonate
 - ☒ B. sulphide
 - ☐ C. chloride
 - ☐ D. sulphite

Section : Mathematics

Q.26 What is the average speed of a truck that covers half the distance at the speed of 20 km/hr and the other half at the speed of 80 km/hr?

- Ans**
- ☐ A. 40 km/hr
 - ☐ B. 41 km/hr
 - ☐ C. 37 km/hr
 - ☒ D. 32 km/hr

Q.27 A skilled worker earns ₹100 per day and an unskilled worker earns ₹50. If 5 workers earn ₹400 together in one day, how many skilled workers were there?

- Ans**
- ☐ A. 1
 - ☐ B. 4
 - ☒ C. 3
 - ☐ D. 2

Q.28 A and B working together can do a piece of work in 5 days. B alone can do the same work in 55 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☒ A. 11
 - ☐ B. 5.5
 - ☐ C. 12
 - ☐ D. 14

Q.29 The sum of the first 10 prime numbers is:

- Ans
- ☐ A. 133
 - ☒ B. 129
 - ☐ C. 130
 - ☐ D. 131

Q.30 In a bag containing teal, maroon, and lime tokens, the ratio of teal to maroon tokens was 15 : 10, while the ratio of lime to teal tokens was 19 : 11. What was the ratio of lime to maroon tokens?

- Ans
- ☒ A. 57 : 22
 - ☐ B. 49 : 16
 - ☐ C. 63 : 29
 - ☐ D. 64 : 23

Q.31 If $x = -15$, $y = 25$ and $z = -10$, then find the value of $x^3 + y^3 + z^3$.

- Ans
- ☐ A. 13250
 - ☐ B. 10250
 - ☐ C. 12250
 - ☒ D. 11250

Q.32 By selling an article for ₹528, a trader incurs a loss of 12%. At what price should he sell the article to gain 12%?

- Ans
- ☐ A. ₹678
 - ☐ B. ₹666
 - ☒ C. ₹672
 - ☐ D. ₹628

Q.33 The sum of the present ages of father and son is 96. 20 years ago, the father was three times as old as his son. What is the ratio of the present ages of the father and his son?

- Ans
- ☒ A. 31 : 17
 - ☐ B. 32 : 17
 - ☐ C. 31 : 16
 - ☐ D. 32 : 15

Q.34 What is the difference between the simple interest on a principal of ₹5,000 being calculated at 5% per annum for 3 years and 4% per annum for 4 years?

- Ans
- ☐ A. ₹45
 - ☒ B. ₹50
 - ☐ C. ₹40
 - ☐ D. ₹55

Q.35 $\frac{1}{20}$ is what percentage of $\frac{10}{20}$?

- Ans
- ☒ A. 10%
 - ☐ B. 20%
 - ☐ C. 30%
 - ☐ D. 25%

Q.36 The length, breadth and height of a cuboid are in the ratio 6 : 5 : 3. If the volume of the cuboid is 720 m^3 , find its surface area (in m^2).

- Ans** ☒ A. 504
☒ B. 424
☒ C. 458
☒ D. 360

Q.37 If $\cos\theta = \frac{8}{17}$, what is the value of $\sin\theta$?

- Ans** ☒ A. $\frac{17}{15}$
☒ B. $\frac{15}{8}$
☒ C. $\frac{15}{17}$
☒ D. $\frac{8}{15}$

Q.38 Three pipes, X, Y, and Z, can fill a tanker in 360 minutes, 540 minutes, and 720 minutes, respectively. Y and Z are opened for 30 minutes, then X is also opened. The time taken by the three pipes together to fill the remaining part of the tank is:

- Ans** ☒ A. 158 minutes
☒ B. 152 minutes
☒ C. 150 minutes
☒ D. 155 minutes

Q.39 The average of 6.5, 10.6, 19.7 and a is 13. The value of a is:

- Ans** ☒ A. 16.2
☒ B. 14.2
☒ C. 15.2
☒ D. 17.2

Q.40 Find the value of x, if $17 \times 684 \div 57 - \frac{5}{7}$ of $4.2 = x + 13 \times 204 \div$



- Ans** ☒ A. 42
☒ B. 48
☒ C. 54
☒ D. 45

Q.41 Which of the following sets of numbers can form the sides of a triangle?

- Ans** ☒ A. {5 cm, 6 cm, 11 cm}
☒ B. {10 cm, 8 cm, 2 cm}
☒ C. {9 cm, 12 cm, 22 cm}
☒ D. {8 cm, 9 cm, 4 cm}

Q.42 The sum of the first 5 prime numbers is:

- Ans** ☒ A. 28
☒ B. 32
☒ C. 27
☒ D. 26

Q.43 Vinod, Kajal and Arpit invest ₹1,040, ₹1,390 and ₹1,890, respectively, to start a business. If the profit at the end of the year is ₹1,440, then what is the share of Arpit in the profit?

- Ans**
- ☐ A. ₹627
 - ☐ B. ₹629
 - ☐ C. ₹632
 - ☒ D. ₹630

Q.44 A dealer marks his goods at 30% above the cost price and allows a discount of 38% on the marked price. What is his loss percentage?

- Ans**
- ☐ A. 18.6%
 - ☒ B. 19.4%
 - ☐ C. 21.3%
 - ☐ D. 22.9%

Q.45 Subtracting 1% of X from X is the same as multiplying X by:

- Ans**
- ☐ A. 0.01
 - ☒ B. 0.99
 - ☐ C. 0.5
 - ☐ D. 0.001

Q.46 The sides of a triangle are 120 cm, 174 cm, and 126 cm. What is its area (in cm^2)?

- Ans**
- ☒ A. 7560
 - ☐ B. 7570
 - ☐ C. 7552
 - ☐ D. 7561

Q.47 A store is offering 'Buy 47, get 9 free' on household items. What is the net percentage discount (approximately) being offered by the store?

- Ans**
- ☒ A. 16.07%
 - ☐ B. 19.02%
 - ☐ C. 13.81%
 - ☐ D. 17.75%

Q.48 The average age of 26 students of a class is 37 years. If the age of the teacher is also included, the average age of the whole group becomes 38 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 62
 - ☐ B. 65
 - ☐ C. 61
 - ☒ D. 64

Q.49 A manufacturer sells an article to a wholesaler at a profit of 20%. The wholesaler then sells it to a retailer at a profit of 25%, and the retailer sells it to a customer at a profit of 24%. If the retailer's selling price is ₹372, what was the manufacturing cost of the article?

- Ans**
- ☐ A. ₹120
 - ☐ B. ₹100
 - ☒ C. ₹200
 - ☐ D. ₹172

Q.50 Two trains having lengths of 410 m and 440 m are running at speeds of 130 km/hr and 140 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

- Ans** ☒ A. 8.1
☒ B. 5.1
☒ C. 6
☒ D. 14.7

Section : General Intelligence and Reasoning

Q.51 Which number should come in place of the question mark (?) in the same sequence to make the series logically complete?

2, 8, 3, 27, 4, 64, 5, 125, 6, 216, 7, ?

- Ans** ☒ A. 243
☒ B. 349
☒ C. 441
☒ D. 343

Q.52 Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 1 2 4 5 7 2 9 6 7 3 4 1 6 6 9 8 4 7 6 1 7 3 4 9 7 (Right)

How many such digits are there each of which is immediately preceded by a perfect square and also immediately followed by an odd number?
(NOTE: 1 is also a perfect square)

- Ans** ☒ A. Three
☒ B. Four
☒ C. Two
☒ D. One

Q.53 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other but not necessarily in the same order. Only three boxes are kept above S. Only one box is kept between R and S. Only three boxes are kept between R and Q. Q is kept at some place above S. N is kept immediately below Q. M is kept at one of the places above O. P is not kept immediately above or below R. Which box is kept at the lowermost position?

- Ans** ☒ A. O
☒ B. M
☒ C. N
☒ D. S

Q.54 Seven boxes A, B, C, D, E, F and G 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 B and G. Only three boxes are kept between B and C. C is kept at some place above G. F is kept immediately below C. E is kept at one of the places above D. A is not kept immediately above or below B.

How many boxes are kept below E?

- Ans** ☒ A. 2
☒ B. 1
☒ C. 3
☒ D. 4

Q.55 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only).

(Left) 4 1 1 7 2 4 1 2 7 4 4 9 6 3 9 1 6 1 9 2 2 8 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.56 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(26, 46, 20)

(12, 16, 4)

- Ans**
- ☒ A. (9, 32, 23)
 - ☒ B. (7, 23, 13)
 - ☒ C. (20, 31, 8)
 - ☒ D. (17, 43, 23)

Q.57 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GEL OMT WUB ECJ ?

- Ans**
- ☒ A. MIK
 - ☒ B. MRK
 - ☒ C. MKI
 - ☒ D. MKR

Q.58 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only A sits to the left of D. Only four people sit between A and C. Only B sits between G and F and G is not an immediate neighbour of C. How many people sit to the right of G?

- Ans**
- ☒ A. 1
 - ☒ B. 2
 - ☒ C. 3
 - ☒ D. 4

Q.59 DFRU is related to JLUX in a certain way based on the English alphabetical order. In the same way, BDDG is related to HJGJ. To which of the given options is TVMP related, following the same logic?

- Ans**
- ☒ A. ZBLO
 - ☒ B. ZXSW
 - ☒ C. ZAWF
 - ☒ D. ZBPS

Q.60 A, B, C, D, W, X and Y are sitting in a straight line, facing the north.
No one sits to the left of D. Only four people sit between D and C. Only three people sit to the right of Y. X sits to the immediate left of A. W is not an immediate neighbour of Y.
Who sits third to the left of W?

- Ans**
- ☐ A. X
 - ☐ B. A
 - ☐ C. C
 - ☒ D. Y

Q.61 Seven people, B, C, D, I, J, K and L, are sitting around a circular table facing the centre of the table. Only three people sit between D and L when counted from the right of L. Only three people sit between K and I when counted from the left of K. B sits to the immediate right of D. J is an immediate neighbour of L as well as I. Who sits second to the left of C?

- Ans**
- ☒ A. J
 - ☐ B. I
 - ☐ C. K
 - ☐ D. L

Q.62 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?

$$24 \text{ A } 4 \text{ B } 6 \text{ C } 2 \text{ D } 10 = ?$$

- Ans**
- ☐ A. 26
 - ☒ B. 28
 - ☐ C. 29
 - ☐ D. 27

Q.63 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D ÷ F x G - H ÷ J'?

- Ans**
- ☐ A. Wife's father
 - ☐ B. Wife's mother
 - ☒ C. Son's wife's father
 - ☐ D. Son's wife's brother

Q.64 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 keyboards are mice.
All inverters are mice.

Conclusions:

(I) Some keyboards are inverters.
(II) All mice are inverters.

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

Q.65 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. ORN
 - ☒ B. VYU
 - ☒ C. DGC
 - ☒ D. MQL

Q.66 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:

All schools are colleges.
No college is a radio.

Conclusions:

(I) Some colleges are schools.
(II) No school is a radio.

- 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.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
PDG 12, RFI 16, THK 20, VJM 24, ?

- Ans**
- ☒ A. YLO 26
 - ☒ B. XLP 26
 - ☒ C. XLO 28
 - ☒ D. YKP 28

Q.68 In a certain code language, 'kit son pit' is coded as ' ai lm go' and 'boss pit poem' is coded as 'lm jn yt'. How is 'pit' coded in the given language?

- Ans**
- ☒ A. lm
 - ☒ B. ai
 - ☒ C. jn
 - ☒ D. go

Q.69 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 6 5 8 2 2 1 8 2 9 8 4 7 4 8 2 4 3 1 4 1 2 7 2 6 (Right)

How many such digits are there each of which is immediately preceded by a perfect square and also immediately followed by a perfect square?
(NOTE: 1 is also a perfect square)

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.70 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$423 + 9 \times 19 - 6 \div 775 = ?$$

- Ans**
- ☒ A. 220
 - ☒ B. 214
 - ☒ C. 708
 - ☒ D. 236

Q.71 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

OH-QK-TV
LE-NH-QS

- Ans**
- ☒ A. SK-TN-WZ
 - ☒ B. RK-TN-WY
 - ☒ C. SK-TM-WZ
 - ☒ D. RK-TN-WZ

Q.72 Harshit starts from Point A and drives 6 km towards the east. He then takes a right turn, drives 6 km, turns right and drives 12 km. He then takes a right turn and drives 11 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. 6 km to the North
 - ☒ B. 5 km to the South
 - ☒ C. 6 km to the South
 - ☒ D. 5 km to the North

Q.73 PL 13 is related to SQ 16 in a certain way. In the same way, IE 18 is related to LJ 21. To which of the following is OK 26 related, following the same logic?

- Ans**
- ☒ A. RM 28
 - ☒ B. TM 28
 - ☒ C. TP 29
 - ☒ D. RP 29

Q.74 What should come in place of the question mark (?) in the given series?

$$501 \ 500 \ 497 \ 492 \ 485 \ ?$$

- Ans**
- ☒ A. 475
 - ☒ B. 477
 - ☒ C. 474
 - ☒ D. 476

Q.75 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?

$$44 \ B \ 30 \ A \ 10 \ D \ 46 \ C \ 3 = ?$$

- Ans**
- ☒ A. 89
 - ☒ B. 97
 - ☒ C. 85
 - ☒ D. 90

- Q.76** This question is based on the five, three-digit numbers given below.
(Left) 826, 117, 681, 964, 529 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans** ☒ A. 5
☐ B. 13
☐ C. 11
☐ D. 7

- Q.77** Mr. Akai starts from Point A and drives 11 km towards east. He then takes a right turn, drives 5 km, turns right and drives 14 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 3 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 degrees turns only unless specified)

- Ans** ☐ A. 7 km to the north
☐ B. 11 km to the north
☒ C. 11 km to the south
☐ D. 7 km to the east

- Q.78** In a certain code language, 'TOUR' is coded as '8571' and 'DOUT' is coded as '5478'. What is the code for 'D' in the given code language?

- Ans** ☒ A. 4
☐ B. 8
☐ C. 7
☐ D. 5

- Q.79** What should come in place of the question mark (?) in the given series?
33 49 65 81 97 ?

- Ans** ☐ A. 110
☐ B. 112
☒ C. 113
☐ D. 111

- Q.80** 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. AYW
☐ B. BZW
☒ C. QPL
☐ D. DBY

Section : General Awareness and Current Affairs

- Q.81** In 2025, in which country was the Yala Glacier declared 'dead' due to the effects of climate change?

- Ans** ☐ A. India
☐ B. China
☒ C. Nepal
☐ D. Bhutan

Q.82 In June 2025, which of the following announced to introduce 'Validated UPI Handles' effective from 1 October 2025 for secured payments by investors to enhance investor protection and combat fraud?

- Ans**
- ☐ A. Reserve Bank of India (RBI)
 - ☒ B. Securities and Exchange Board of India (SEBI)
 - ☐ C. Life Insurance Corporation (LIC)
 - ☐ D. State Bank of India (SBI)

Q.83 In 2025, how much monthly out-of-pocket allowance was approved for hockey players in the national camp by the Sports Ministry?

- Ans**
- ☐ A. ₹50,000
 - ☐ B. ₹20,000
 - ☒ C. ₹25,000
 - ☐ D. ₹15,000

Q.84 What is the name of the first private-sector reinsurer to be licensed under the new framework of the Insurance Regulatory and Development Authority of India in March 2025?

- Ans**
- ☐ A. Phone Pe Reinsurance
 - ☐ B. Arko Pay Reinsurance
 - ☐ C. Paytm Reinsurance
 - ☒ D. Valueattics Reinsurance

Q.85 Which athlete received the Laureus World Sportswoman of the Year award in 2025?

- Ans**
- ☒ A. Simone Biles
 - ☐ B. Iga Świątek
 - ☐ C. A'ja Wilson
 - ☐ D. Naomi Osaka

Q.86 Which prominent world leader joined Truth Social (a social media platform owned by US President Donald Trump) in March 2025?

- Ans**
- ☐ A. Emmanuel Macron
 - ☐ B. Olaf Scholz
 - ☐ C. Rishi Sunak
 - ☒ D. Narendra Modi

Q.87 Which summit in 2025 focused on 'securing our future' for Ukraine?

- Ans**
- ☒ A. Warsaw NATO Ministers' Summit
 - ☐ B. Paris Peace Forum
 - ☐ C. London Summit on Ukraine
 - ☐ D. Kiev Peace Conference

Q.88 What was Neeraj Chopra's final position at the 2025 Doha Diamond League javelin event?

- Ans**
- ☒ A. Second
 - ☐ B. Fourth
 - ☐ C. First
 - ☐ D. Third

Q.89 Prime Minister Narendra Modi virtually launched a cooperative society in Bihar to provide easy access to funds at affordable interest rates to community members in September 2025, named ____.

- Ans**
- ☐ A. Bihar Rajya Mahila Nidhi Saakh Sahkari Sangh Limited
 - ☐ B. Bihar Rajya Krishi Nidhi Saakh Sahkari Sangh Limited
 - ☒ C. Bihar Rajya Jeevika Nidhi Saakh Sahkari Sangh Limited
 - ☐ D. Bihar Rajya Gramin Nidhi Saakh Sahkari Sangh Limited

Q.90 On 29 April 2025, the Union Minister of New and Renewable Energy (MNRE) Pralhad Joshi launched the GHCI scheme to empower MSMEs and promote green hydrogen economy. What is the full form of GHCI?

- Ans**
- ☐ A. Green Hydrogen Conservation Scheme of India
 - ☒ B. Green Hydrogen Certification Scheme of India
 - ☐ C. Green Hydrogen Cultivation Scheme of India
 - ☐ D. Green Hydrogen Channel Scheme of India

Q.91 Which of the following departments released the 2025 Economic Survey of India?

- Ans**
- ☐ A. Central Statistical Organisation
 - ☐ B. Ministry of Labour
 - ☐ C. Department of Commerce
 - ☒ D. Department of Economic Affairs

Q.92 In May 2025, which Indian minister announced the Advanced Medium Combat Aircraft (AMCA) development plans at the CII Business Summit?

- Ans**
- ☒ A. Rajnath Singh
 - ☐ B. Amit Shah
 - ☐ C. S Jaishankar
 - ☐ D. Nirmala Sitharaman

Q.93 Which of the following countries was hosted the 2025 NATO Summit held in June 2025?

- Ans**
- ☐ A. Germany
 - ☐ B. Turkey
 - ☒ C. Netherlands
 - ☐ D. Brazil

Q.94 What was the new motto of Lokpal of India adopted by the full bench of Lokpal in June 2025?

- Ans**
- ☒ A. Empower Citizens, Expose Corruption
 - ☐ B. Ma Gridhah Kasyasvidhanam
 - ☐ C. Prevent Corruption, Promote Growth
 - ☐ D. Empowering Youth against Corruption

Q.95 Operation Brahma was launched by India in March 2025 to provide relief to which country?

- Ans**
- ☐ A. Nepal
 - ☒ B. Myanmar
 - ☐ C. Bangladesh
 - ☐ D. Sri Lanka

Q.96 Who did Jannik Sinner defeat in the final of the Australian Open 2025?

- Ans**
- ☒ A. Alexander Zverev
 - ☐ B. Daniil Medvedev
 - ☐ C. Rafael Nadal
 - ☐ D. Stefanos Tsitsipas

Q.97 The Indus Water Treaty, which was suspended by India following the Pahalgam terror attack in April 2025, was signed between India and Pakistan in ____.

- Ans**
- ☐ A. 1950
 - ☐ B. 1955
 - ☒ C. 1960
 - ☐ D. 1965

Q.98 What is the purpose of the Bharat Forecasting System launched in May 2025?

- Ans**
- ☒ A. Providing detailed weather forecasts
 - ☐ B. Enhancing railway timetables
 - ☐ C. Monitoring wildlife habitats
 - ☐ D. Improving school attendance

Q.99 How many positions did India drop in the 2025 Energy Transition Index compared to the previous year?

- Ans**
- ☐ A. 6
 - ☐ B. 5
 - ☒ C. 8
 - ☐ D. 10

Q.100 In April 2025, Rapido signed a Memorandum of Understanding with the Ministry of Labour and Employment to provide jobs through which of the following government portals?

- Ans**
- ☐ A. Skill India Portal
 - ☒ B. National Career Service Portal
 - ☐ C. Digital India Portal
 - ☐ D. Startup India Portal



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Jamshedpur
Test Date	03/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Waste generated by developing human embryo is removed with the help of which of the following organs?

- Ans ☐ A. Ovaries
☐ B. Fallopian tube
☐ C. Scrotum
☒ D. Placenta

Q.2 Which of the following statements is responsible for the atmospheric refraction?

- Ans ☐ A. Absorption of light by air molecules
☒ B. Bending of light due to change in air density
☐ C. Reflection of light by atmosphere
☐ D. Scattering of light in atmosphere

Q.3 When an acid reacts with a metal carbonate, which gas is typically produced?

- Ans ☐ A. Hydrogen gas
☒ B. Carbon dioxide gas
☐ C. Oxygen gas
☐ D. Nitrogen gas

Q.4 What is prevented when the fallopian tubes in females are blocked?

- Ans ☐ A. Egg production
☒ B. Fertilisation
☐ C. Menstrual cycle
☐ D. Childbirth

Q.5 If an object weighs 60 N when measured on the surface of the Earth, what would be its approximate weight when measured on the surface of the Moon?

- Ans ☐ A. 360 N
☐ B. 15 N
☒ C. 10 N
☐ D. 60 N

Q.6 An electric iron operating at 220 V consumes energy at a rate of 840 W when the heating is at its maximum. What is the resistance of the coil used in the iron?

- Ans**
- ☒ A. 57.6 Ω
 - ☐ B. 47.6 Ω
 - ☐ C. 55.6 Ω
 - ☐ D. 50.6 Ω

Q.7 When solutions of lead(II) nitrate and potassium iodide are mixed, the reaction leads to the formation of which of the following?

- Ans**
- ☐ A. An orange precipitate of lead iodide is formed.
 - ☐ B. An orange precipitate of lead iodate is formed.
 - ☒ C. A yellow precipitate of lead iodide is formed.
 - ☐ D. A yellow precipitate of lead sulphate is formed.

Q.8 A body of mass 2 kg is moving with a velocity of 10 m/s. A force of 4 N is applied for 5 s. The final velocity is:

- Ans**
- ☐ A. 35 m/s
 - ☐ B. 15 m/s
 - ☐ C. 25 m/s
 - ☒ D. 20 m/s

Q.9 A sound wave has a frequency of 4 kHz and a wavelength of 15 cm. How much time will it take to cover a distance of 1.8 km?

- Ans**
- ☒ A. 3 seconds
 - ☐ B. 0.03 seconds
 - ☐ C. 4 seconds
 - ☐ D. 0.003 seconds

Q.10 What does the potential energy of an object depend on?

- Ans**
- ☒ A. Its position or arrangement
 - ☐ B. Its temperature
 - ☐ C. Its speed during motion
 - ☐ D. Its colour and shape

Q.11 Read the given statements with regards to importance of variation produced by sexual reproduction in plants and select the most appropriate option.

Statement A: Reproduction is linked to the stability of populations of species.

Statement B: Variation is thus not useful for the survival of species over time.

- Ans**
- ☐ A. Both Statement A and statement B is incorrect
 - ☐ B. Statement A is incorrect but statement B is correct
 - ☐ C. Both Statement A and statement B is correct
 - ☒ D. Statement A is correct but statement B is incorrect

Q.12 What is the direction of velocity in uniform circular motion?

- Ans**
- ☐ A. Away from the circle
 - ☐ B. Along the radius of the circle
 - ☒ C. Along the tangent to the circle
 - ☐ D. Towards the centre of the circle

Q.13 The process used for removing gangue from the ore works on the basis of difference of their chemical or physical properties and is called ____ of ores.

- Ans**
- ☒ A. enrichment
 - ☐ B. polishing
 - ☐ C. weighing
 - ☐ D. colouring

Q.14 Which of the following pair is a correct example, which shows number of Valency as 2?

- Ans**
- ☐ A. Phosphate and nitride
 - ☒ B. Sulphate and sulphite
 - ☐ C. Ammonium and sulphate
 - ☐ D. Sodium and sulphate

Q.15 Washing soda is obtained from baking soda by which of the following processes?

- Ans**
- ☐ A. Mixing baking soda with lime water
 - ☒ B. Heating baking soda followed by crystallisation from water
 - ☐ C. Evaporation of baking soda in sunlight
 - ☐ D. Adding hydrochloric acid to baking soda

Q.16 What is the type of bonding that usually exists in most of the carbon compounds?

- Ans**
- ☒ A. Covalent bonding
 - ☐ B. Ionic bonding
 - ☐ C. Coordinate bonding
 - ☐ D. Hydrogen bonding

Q.17 Which Rutherford's experiment led to the discovery of the atomic nucleus?

- Ans**
- ☒ A. Alpha-particle scattering
 - ☐ B. Beta-particle scattering
 - ☐ C. Photoelectric effect
 - ☐ D. Cathode Ray experiment

Q.18 In eukaryotic cells, the smooth endoplasmic reticulum is mainly responsible for:

- Ans**
- ☐ A. Sugar breakdown
 - ☒ B. Lipid synthesis and detoxification
 - ☐ C. Genetic information storage
 - ☐ D. Protein synthesis

Q.19 Which of the following best describes Thomson's model of an atom?

- Ans**
- ☐ A. An atom has a positively charged nucleus and electrons outside.
 - ☒ B. An atom is a sphere of positive charge with electrons embedded in it like seeds in a watermelon.
 - ☐ C. Electrons revolve around the nucleus in fixed orbits.
 - ☐ D. An atom is mostly empty space with a dense nucleus.

Q.20 What is the term for the process in which white light breaks up into different colours?

- Ans**
- ☐ A. Scattering
 - ☐ B. Reflection
 - ☒ C. Dispersion
 - ☐ D. Refraction

Q.21 Approximately what percentage of energy is transferred from one trophic level to the next in an ecosystem?

- Ans**
- ☐ A. 50%
 - ☐ B. 1%
 - ☒ C. 10%
 - ☐ D. 90%

Q.22 Which of the following statements about magnetic field lines is correct?

- Ans**
- ☐ A. They always intersect
 - ☐ B. They originate only from the centre of the magnet
 - ☒ C. They form closed loops inside and outside the magnet
 - ☐ D. They show the path of charged particles

Q.23 Which of the following is responsible for positive geotropism movement in plants?

- Ans**
- ☐ A. Water
 - ☒ B. Gravity
 - ☐ C. Chemical
 - ☐ D. Light

Q.24 A cell divides to form two identical daughter cells, each having the same chromosome number as the parent cell. What type of cell division is this called?

- Ans**
- ☐ A. Budding
 - ☒ B. Mitosis
 - ☐ C. Cytokinesis
 - ☐ D. Meiosis

Q.25 In addition to plasma membrane, which of the following outer coverings is present in plant cells?

- Ans**
- ☐ A. Cytoplasm
 - ☐ B. Nuclear membrane
 - ☐ C. Centriole
 - ☒ D. Cell wall

Section : Mathematics

Q.26 Manoj got a new curtain at 50% discount. If Manoj did not get any discount, Manoj would have to pay ₹251 extra. So how much did Manoj pay for the curtain?

- Ans**
- ☐ A. ₹250
 - ☒ B. ₹251
 - ☐ C. ₹253
 - ☐ D. ₹252

Q.27 The average age of 36 students of a class is 12 years. If the age of the teacher is also included, the average age of the whole group becomes 13 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 50
 - ☒ B. 49
 - ☐ C. 55
 - ☐ D. 52

Q.28 The length, breadth and height of a cuboid are in the ratio 5 : 3 : 2. If the total surface area of the cuboid is 992 m^2 , find its volume.

- Ans**
- ☐ A. 2,070 m³
 - ☒ B. 1,920 m³
 - ☐ C. 2,040 m³
 - ☐ D. 1,980 m³

Q.29 If 20% of a number is added to 84, then the result is the same number. 60% of the same number is:

- Ans**
- ☐ A. 73
 - ☐ B. 93
 - ☐ C. 83
 - ☒ D. 63

Q.30 The sides of a triangle are 30 cm, 63 cm, and 51 cm. What is the length of its altitude corresponding to the side with a length of 63 cm?

- Ans**
- ☐ A. 3 cm
 - ☐ B. 48 cm
 - ☐ C. 57 cm
 - ☒ D. 24 cm

Q.31 The marked price of a chair is ₹2,700, which is 35% above the cost price. It is sold at a discount of 20% on the marked price. Find the profit percentage.

- Ans**
- ☐ A. 9%
 - ☐ B. 10%
 - ☒ C. 8%
 - ☐ D. 7%

Q.32 The angle of elevation of the top of a tower from a point 63 m distance away from its foot is 30° . Find the height (in m) of the tower.

- Ans**
- ☐ A. $18\sqrt{3}$
 - ☒ B. $21\sqrt{3}$
 - ☐ C. $\frac{18}{\sqrt{3}}$
 - ☐ D. $\frac{21}{\sqrt{3}}$

Q.33 The amount on a sum of ₹2,600 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☒ A. ₹3,744
 - ☐ B. ₹4,363
 - ☐ C. ₹3,441
 - ☐ D. ₹2,950

Q.34 $\frac{1}{20}$ is what percentage of $\frac{10}{90}$?

- Ans**
- ☐ A. 90%
 - ☒ B. 45%
 - ☐ C. 60%
 - ☐ D. 55%

Q.35 If the mean proportional of X and 250 is 50, then find the value of X.

- Ans
- ☐ A. 12
 - ☐ B. 8
 - ☒ C. 10
 - ☐ D. 13

Q.36 Simplify: $(3x + 7)^2 - (3x - 7)^2$

- Ans
- ☐ A. $48x$
 - ☐ B. $-48x$
 - ☐ C. $-84x$
 - ☒ D. $84x$

Q.37 One pipe can fill a tank in 9 minutes while another pipe can empty the completely filled tank in 90 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans
- ☐ A. 11
 - ☒ B. 5
 - ☐ C. 10
 - ☐ D. 6

Q.38 The lengths of the two diagonals of a rhombus are 10 cm and 24 cm. Find the length of its perimeter (in cm).

- Ans
- ☐ A. 13
 - ☐ B. 26
 - ☐ C. 34
 - ☒ D. 52

Q.39 Aman and Yogita together invested ₹52,200 in a business. At the end of the year, out of a total profit of ₹5,800, Aman's share was ₹1,700. What was the investment of Aman?

- Ans
- ☒ A. ₹15,300
 - ☐ B. ₹16,620
 - ☐ C. ₹15,490
 - ☐ D. ₹13,695

Q.40 X people were given a contract for doing a piece of work in 34 days. 3 people did not turn up to work due to sickness, and the rest of the people completed the work in 35 days. What is the value of X?

- Ans
- ☐ A. 115
 - ☒ B. 105
 - ☐ C. 104
 - ☐ D. 103

Q.41 A number is split into two parts so that one part exceeds the other by 10. If the ratio of the two parts is 7 : 5, write the equation representing this situation by assuming the smaller part to be x.

- Ans
- ☐ A. $35(x + 10) = x$
 - ☐ B. $7(x + 10) = 5x$
 - ☐ C. $5(10x + 1) = 7x$
 - ☒ D. $5(x + 10) = 7x$

Q.42 Walking at $\frac{3}{7}$ of his normal speed, Abhijeet is 24 minutes late in reaching the office. The time taken by him to cover the distance between his home and his office is

- Ans
- ☐ A. 10 minutes
 - ☒ B. 18 minutes
 - ☐ C. 28 minutes
 - ☐ D. 26 minutes

Q.43 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 62% and that of the TV decreases by 33%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- Ans
- ☐ A. Decrease by 27%
 - ☐ B. Increase by 19%
 - ☐ C. Decrease by 31%
 - ☒ D. Increase by 24%

Q.44 Provisions meant for 100 men for 13 weeks are shared when 30 more men join them. For how many weeks will the provisions now last?

- Ans
- ☐ A. 14
 - ☐ B. 12
 - ☐ C. 8
 - ☒ D. 10

Q.45 The product of two numbers is 63 and their difference is 7. The sum of squares of the two numbers is

- Ans
- ☐ A. 220
 - ☐ B. 112
 - ☐ C. 130
 - ☒ D. 175

Q.46 The average of seven consecutive odd numbers (in increasing order) is

- Ans
- ☐ A. 47
 - ☐ B. 43
 - ☐ C. 41
 - ☒ D. 45

Q.47 Eight years ago, A was thrice as old as B. Eight years hence, A will be twice as old as B. Find A's present age.

- Ans
- ☐ A. 60 years
 - ☒ B. 56 years
 - ☐ C. 52 years
 - ☐ D. 64 years

Q.48 An Uber auto covers a distance of 639 km in 71 hours. What is its speed in km/hr?

- Ans
- ☐ A. 13
 - ☒ B. 9
 - ☐ C. 19
 - ☐ D. 4

Q.49 Amit sells two articles for ₹360 each. On one, he gains 20%, and on the other, he loses 10%. Find the gain or loss percent in the entire transaction. [Answer correct to two places after decimal.]

- Ans**
- ☒ A. 4.56% loss
 - ☒ B. 2.86% profit
 - ☒ C. 5.56% loss
 - ☒ D. 5.56% profit

Q.50 Find the value of $\frac{(0.026)^3 - (0.02)^3}{(0.026)^2 + 0.00052 + (0.02)^2}$.

- Ans**
- ☒ A. 0.006
 - ☒ B. 0.06
 - ☒ C. 0.6
 - ☒ D. 0.0006

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'OMER' is coded as '1834' and 'DEMO' is coded as '5148'. What is the code for 'D' in the given code language?

- Ans**
- ☒ A. 1
 - ☒ B. 8
 - ☒ C. 4
 - ☒ D. 5

Q.52 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?

17 B 17 C 324 A 9 D 22 = ?

- Ans**
- ☒ A. 303
 - ☒ B. 310
 - ☒ C. 318
 - ☒ D. 307

Q.53 Mr. Z starts from Point A and drives 12 km towards the South. He then takes a right turn, drives 21 km, then turns right and drives 14 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 2 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. 4 km to the south
 - ☒ C. 3 km to the east
 - ☒ D. 2 km to the west

Q.54 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

IIM 2 JKL -11 KMK -24 ? MQI -50

- Ans**
- ☒ A. LOJ -37
 - ☒ B. KLO -33
 - ☒ C. RTD -21
 - ☒ D. LLP -22

Q.55 What should come in place of the question mark (?) in the given series?

1021 1023 1027 1033 1041 ?

- Ans ☐ A. 1049
☐ B. 1055
☐ C. 1053
☒ D. 1051

Q.56 Aruna starts from Point A and drives 11 km towards the north. She then takes a right turn, drives 10 km, turns right and drives 21 km. She then takes a right turn and drives 5 km. She takes a final right turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans ☒ A. 5 km towards the west
☐ B. 6 km towards the north
☐ C. 5 km towards the south
☐ D. 4 km towards the south

Q.57 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?

50 A 10 C 2 B 7 D 6 = ?

- Ans ☐ A. 11
☒ B. 13
☐ C. 12
☐ D. 14

Q.58 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) © \$ £ 7 3 @ £ 7 8 6 8 % 6 © 3 4 & € 9 @ 8 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans ☒ A. 3
☐ B. 6
☐ C. 4
☐ D. 1

Q.59 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:

All pencils are crayons.

Some crayons are batteries.

Conclusions:

(I): Some pencils are batteries.

(II): Some crayons are pencils.

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

Q.60 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 7 8 9 & 5 £ & \$ £ \$ 1 * * # * * € 8 % 8 © 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ A. 6
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 5

Q.61 Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

JC-LE-NP
MF-OH-QS

- Ans**
- ☒ A. OI-RL-TU
 - ☒ B. PI-RK-TU
 - ☒ C. OI-RK-TU
 - ☒ D. PI-RK-TV

Q.62 What should come in place of the question mark (?) in the given series?
313 304 295 286 277 ?

- Ans**
- ☒ A. 273
 - ☒ B. 271
 - ☒ C. 268
 - ☒ D. 267

Q.63 F, G, H, I, M, N and O are sitting around a circular table facing the centre of the table. Only two people sit between I and O when counted from the left of O. G sits third to the left of N. H sits to the immediate right of N. H sits second to the left of I. F is not an immediate neighbour of G. Who sits third to the right of M?

- Ans**
- ☒ A. F
 - ☒ B. O
 - ☒ C. N
 - ☒ D. H

Q.64 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 letter-cluster pair 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. PR - ML
 - ☒ B. RT - OQ
 - ☒ C. NP - KM
 - ☒ D. JL - GI

- Q.65** Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 1 6 9 7 7 9 4 3 3 3 1 5 8 7 6 6 8 6 7 7 9 6 2 7 8 2 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☒ A. 2
☒ B. 3
☒ C. 5
☒ D. 4

- Q.66** 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(33, 495, 15)

(27, 648, 24)

- Ans** ☒ A. (30, 573, 19)
☒ B. (25, 575, 23)
☒ C. (8, 179, 22)
☒ D. (38, 41, 1)

- Q.67** A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only two people sit between U and S when counted from the right of U. Only three people sit between R and C when counted from the right of C. S sits to the immediate right of C. T sits to the immediate right of A. Who sits fourth to the right of B?

- Ans** ☒ A. S
☒ B. A
☒ C. C
☒ D. T

- Q.68** What should come in place of the question mark (?) in the given series?

510 509 506 501 494 ?

- Ans** ☒ A. 485
☒ B. 487
☒ C. 486
☒ D. 484

- Q.69** Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only four boxes are kept above L. Only one box is kept above J. Only one box is kept between J and C. B is kept immediately above D. K is kept at some place below I. How many boxes are kept between I and B?

- Ans** ☒ A. Four
☒ B. Two
☒ C. Three
☒ D. One

Q.70 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
UMQ TLP SKO RJN ?

- Ans
- ☐ A. QJM
 - ☐ B. QIN
 - ☐ C. QJN
 - ☒ D. QIM

Q.71 Seven boxes, D, E, F, U, V, W and X, are kept one over the other but not necessarily in the same order. Only two boxes are kept below W. Only two boxes are kept between W and U. Only one box is kept between U and E. X is kept immediately above V. F is kept at some place below D. How many boxes are kept between D and X?

- Ans
- ☐ A. Three
 - ☐ B. One
 - ☐ C. Two
 - ☒ D. Four

Q.72 IN 5 is related to KJ -2 in a certain way. In the same way, GL 9 is related to IH 2. To which of the given options is RW 11 related, following the same logic?

- Ans
- ☐ A. HY 4
 - ☒ B. TS 4
 - ☐ C. YT 6
 - ☐ D. MK 7

Q.73 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the right of C. Only three people sit between C and D. Only two people sit between D and G. A sits third to the left of F. B sits to the immediate right of F. How many people sit to the right of B?

- Ans
- ☐ A. 1
 - ☐ B. 3
 - ☒ C. 2
 - ☐ D. 4

Q.74 In a certain code language,
'A + B' means 'A is the son of B'
'A - B' means 'A is the brother of B'
'A × B' means 'A is the wife of B'
'A ÷ B' means 'A is the father of B'
Based on the above, how is D related to J if 'D - F ÷ G × H + J'?

- Ans
- ☐ A. Son's wife's mother's brother
 - ☐ B. Son's wife's mother's father
 - ☐ C. Son's wife's father's father
 - ☒ D. Son's wife's father's brother

Q.75 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. PMH
 - ☐ B. SOK
 - ☐ C. OKG
 - ☐ D. TPL

Q.76 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

$$13 \text{ B } 32 \text{ C } 130 \text{ A } 26 \text{ D } 41 = ?$$

- Ans ☒ A. 380
☐ B. 377
☐ C. 385
☐ D. 369

Q.77 FAEG is related to MHLN in a certain way based on the English alphabetical order. In the same way, IDHJ is related to PKOQ. To which of the given options is LGKM related, following the same logic?

- Ans ☐ A. SNTR
☐ B. NSRT
☒ C. SNRT
☐ D. NSTR

Q.78 Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 4 3 2 7 6 4 9 9 6 5 4 9 7 6 8 3 5 1 5 1 2 4 8 9 (Right)

How many such odd 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. Three
☐ C. Four
☐ D. One

Q.79 In a certain code language, 'drinking is dangerous' is coded as 'cd pk os', 'avoid dangerous habit' is coded as 'os mp ls', and 'please avoid drinking' is coded as 'rk pk mp'. How is 'dangerous' coded in the given language?

- Ans ☐ A. rk
☐ B. mp
☐ C. ls
☒ D. os

Q.80 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: All fans are lights. Some lights are heaters. Some heaters are geysers.

Conclusion (I): Some fans are heaters.

Conclusion (II): Some lights are geysers.

- Ans ☐ A. Only Conclusion I follows.
☐ B. Only Conclusion II follows.
☒ C. Neither Conclusion I or II follows.
☐ D. Both Conclusion I or II follow.

Q.81 In July 2025, the Ministry of Rural Development entered into an important partnership with the Life Insurance Corporation of India (LIC) to realise the Government of India's 'Insurance for All by ____'.

- Ans**
- ☐ A. 2035
 - ☐ B. 2045
 - ☐ C. 2040
 - ☒ D. 2047

Q.82 In July 2025, the Kerala Health Department stepped up vigil against which zoonotic disease after a few cases were detected in its two districts?

- Ans**
- ☐ A. Filariasis
 - ☐ B. Tuberculosis
 - ☐ C. Malaria
 - ☒ D. Nipah

Q.83 The earlier Bilateral Investment Treaty (BIT) between India and Kyrgyzstan, which was replaced in 2025, was originally enforced in which year?

- Ans**
- ☐ A. 2021
 - ☐ B. 2019
 - ☒ C. 2000
 - ☐ D. 2010

Q.84 Which of the following cricketers clinched the record for the fastest century by an Indian woman cricketer in ODIs, as of January 2025?

- Ans**
- ☐ A. Harmanpreet Kaur
 - ☐ B. Pratika Rawal
 - ☐ C. Deepti Sharma
 - ☒ D. Smriti Mandhana

Q.85 Which among the following authorities invoked Stage-I of the Graded Response Action Plan (GRAP) in May 2025 due to poor air quality in Delhi NCR?

- Ans**
- ☐ A. Delhi Pollution Control Committee (DPCC), National Capital Territory of Delhi
 - ☐ B. Ministry of Health and Family Welfare (MoHFW)
 - ☐ C. Central Pollution Control Board (CPCB)
 - ☒ D. Commission for Air Quality Management in National Capital Region and Adjoining Areas (CAQM)

Q.86 The deforestation drive in Kancha Gachibowli involved clearing land near which major educational institution in April 2025?

- Ans**
- ☐ A. National Institute of Technology, Warangal
 - ☒ B. Central University of Hyderabad
 - ☐ C. Indian Institute of Technology, Hyderabad
 - ☐ D. Osmania University

Q.87 Praveen Kumar, awarded the Khel Ratna, in January 2025, is associated with which discipline?

- Ans**
- ☐ A. Archery
 - ☒ B. Para-Athletics
 - ☐ C. Boxing
 - ☐ D. Shooting

Q.88 Who arrived in Varanasi to chair the 25th Central Zonal Council meet in June 2025?

- Ans**
- ☒ A. Amit Shah
 - ☐ B. Narendra Modi
 - ☐ C. Rajnath Singh
 - ☐ D. Yogi Adityanath

Q.89 Which cinema was India's official Oscar entry but did NOT get nominated, yet swept 10 IIFA awards in March 2025?

- Ans**
- ☒ A. Laapataa Ladies
 - ☐ B. The Kerala Story
 - ☐ C. Darlings
 - ☐ D. Ram Setu

Q.90 Which of the following themes was observed for World Health Day 2025 on April 7?

- Ans**
- ☐ A. Health for All
 - ☐ B. Equity in Healthcare
 - ☒ C. Healthy beginnings, hopeful futures
 - ☐ D. Our Planet, Our Health

Q.91 The Indian Navy along with the navy of which other country held a joint PASSEX exercise near Mumbai on 10 July 2025, in the Arabian Sea?

- Ans**
- ☐ A. Indonesia
 - ☐ B. Japan
 - ☒ C. Greece
 - ☐ D. Malaysia

Q.92 As per the Sustainable Development Report (SDR)-2025 published by the UN Sustainable Development Solutions Network (SDSN), what is the rank of India among 193 UN member countries?

- Ans**
- ☐ A. 89
 - ☐ B. 79
 - ☒ C. 99
 - ☐ D. 109

Q.93 Which of the following was the 17th flight of India's Geosynchronous Satellite Launch Vehicle (GSLV), launched in January 2025?

- Ans**
- ☐ A. GSLV-F13
 - ☐ B. GSLV-F16
 - ☒ C. GSLV-F15
 - ☐ D. GSLV-F14

Q.94 Which English fast bowler was awarded a knighthood in April 2025 after retiring with a record 704 Test wickets, making him England's all-time leading wicket-taker in Test cricket?

- Ans**
- ☒ A. James Anderson
 - ☐ B. Darren Gough
 - ☐ C. Stuart Broad
 - ☐ D. Andrew Flintoff

Q.95 On 12 June 2025, which bank of India took a progressive step to streamline the Know Your Customer (KYC) updating process by allowing video-based identification and empowering Business Correspondents to handle KYC updates?

- Ans**
- ☒ A. Reserve Bank of India
 - ☐ B. State Bank of India
 - ☐ C. Bank of India
 - ☐ D. Indian Bank

Q.96 On June 14, 2025, in which of the following cities of India did Kamlesh Paswan inaugurate Garuda Aerospace's new Agri-Drone Indigenization Facility?

- Ans**
- ☒ A. Chennai
 - ☐ B. Vijayawada
 - ☐ C. Hubballi
 - ☐ D. Pune

Q.97 What is the main purpose of the e-Jagriti platform, launched by the Department of Consumer Affairs, Ministry of Consumer Affairs, Food and Public Distribution, Government of India on 1 January 2025?

- Ans**
- ☐ A. To expand India's space exploration and satellite launches
 - ☐ B. To promote digital payments under the Digital India programme
 - ☒ C. To provide a single interface for consumer grievance redressal
 - ☐ D. To manage real estate and government accommodation services

Q.98 How many critical highway segments are outlined in the report on India's Priority Corridors for Zero-Emission Trucking for the adoption of zero-emission trucks?

- Ans**
- ☐ A. Twelve
 - ☐ B. Eight
 - ☐ C. Five
 - ☒ D. Ten

Q.99 In which of the following cities did the traffic police create awareness on noise pollution for motorists at traffic signals in July 2025?

- Ans**
- ☐ A. Jaipur
 - ☐ B. Lucknow
 - ☐ C. Chennai
 - ☒ D. Warangal

Q.100 In 2025, which schemes provide retired athletes career transition support, financial aid, and medical benefits?

- Ans**
- ☐ A. Khelo India and PYKKA
 - ☐ B. National Awards and TOPS
 - ☐ C. NSFs and SAI
 - ☒ D. RESET and Pandit Deendayal Fund



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Sector 62
Test Date	03/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements is correct for uniform motion?

- Ans
- ☒ A. The slope of the distance–time graph is zero.
 - ☒ B. The slope of the distance–time graph is constant.
 - ☒ C. The slope of the distance–time graph is decreasing.
 - ☒ D. The slope of the distance–time graph is increasing.

Q.2 Among the following materials, which one has the highest electrical resistivity at room temperature?

- Ans
- ☒ A. Chromium
 - ☒ B. Manganese
 - ☒ C. Mercury
 - ☒ D. Iron

Q.3 What is the formula to calculate the acceleration due to gravity (g), where G is the universal gravitational constant, M is the mass of the Earth, and R is the radius of the Earth?

- Ans
- ☒ A. $g = GM^2/R$
 - ☒ B. $g = GM/R^2$
 - ☒ C. $g = GM/R$
 - ☒ D. $g = GR/M^2$

Q.4 Cells of the meristematic tissue lack vacuoles because:

- Ans
- ☒ A. Meristematic cells are dead and do not need vacuoles
 - ☒ B. Meristematic cells are actively dividing and need a dense cytoplasm
 - ☒ C. Vacuoles block respiratory enzymes
 - ☒ D. Vacuoles cause cell death

Q.5 Why are sound waves classified as mechanical waves?

- Ans
- ☒ A. They cause light oscillations
 - ☒ B. They are characterised by the motion of particles in a medium
 - ☒ C. They oscillate perpendicular to wave propagation
 - ☒ D. They do not require a medium to travel

Q.6 Which of the following statements is correct about the nature of the image formed by a concave mirror when the object is placed between the principal focus and the pole?

- Ans**
- ✓ A. Virtual, erect, magnified
 - ✗ B. Real, inverted, diminished
 - ✗ C. Real, inverted, same size
 - ✗ D. Real, inverted, highly diminished (point image)

Q.7 Which of the following factors does NOT increase the rate of evaporation?

- Ans**
- ✗ A. Increase of temperature
 - ✗ B. Increase in wind speed
 - ✓ C. Increase in humidity
 - ✗ D. Increase in surface area

Q.8 What is the main function of leucoplasts in plant cells?

- Ans**
- ✓ A. Storing materials like starch, oils, and proteins
 - ✗ B. Breaking down waste materials
 - ✗ C. Absorbing sunlight
 - ✗ D. Giving colour to flowers

Q.9 Which of the following statements is correct for the magnetic field inside a long, straight, current-carrying solenoid?

- Ans**
- ✗ A. It is zero.
 - ✓ B. It is the same at all points.
 - ✗ C. It decreases as we move towards its end.
 - ✗ D. It increases as we move towards its end.

Q.10 Which of the following correctly explains the importance of pH in everyday life?

- Ans**
- ✓ A. Our stomach secretes hydrochloric acid to maintain a pH around 2, aiding digestion.
 - ✗ B. A bee sting injects a basic liquid, so it is treated with a weak acid like vinegar.
 - ✗ C. Tooth enamel dissolves when the pH of the mouth rises above 7.5 due to bacterial activity.
 - ✗ D. Acid rain has pH greater than 7, which harms aquatic life.

Q.11 Which of the following correctly describes the sequence of events leading to muscle movement?

- Ans**
- ✗ A. DNA replication → Protein synthesis → Muscle movement
 - ✗ B. Blood flow → Protein activation → Nerve impulse → Movement
 - ✗ C. Digestion → Blood circulation → Movement
 - ✓ D. Nerve impulse → Muscle protein response → Muscle contraction

Q.12 A concave lens has a focal length of 15 cm. An object is placed at a distance of 30 cm from the lens. What is the magnification produced by the lens?

- Ans**
- ✓ A. +0.33
 - ✗ B. -0.33
 - ✗ C. +0.66
 - ✗ D. -0.66

Q.13 How do plant cells respond immediately to a stimulus without specialized proteins like animal muscle cells?

- Ans**
- ☒ A. By producing immune responses
 - ☒ B. By changing water content to cause swelling or shrinking
 - ☒ C. By breaking down food to release energy instantly
 - ☒ D. By secreting enzymes only

Q.14 What unique property of carbon atoms enables them to form long and stable chains with other carbon atoms?

- Ans**
- ☒ A. Catenation
 - ☒ B. Allotropy
 - ☒ C. Isomerism
 - ☒ D. Tetravalency

Q.15 Which of the following conditions will NOT favour evaporation?

- Ans**
- ☒ A. High Temperature
 - ☒ B. Low Humidity
 - ☒ C. High Wind Speed
 - ☒ D. High Humidity

Q.16 Baking soda is prepared using which of the following processes?

- Ans**
- ☒ A. Deacon's process
 - ☒ B. Solvay process
 - ☒ C. Haber process
 - ☒ D. Chlor-alkali process

Q.17 Which of the following was the scientist who blended his knowledge of science and mathematics to arrive at the laws of inheritance?

- Ans**
- ☒ A. Camillo Golgi
 - ☒ B. E Rutherford
 - ☒ C. John Dalton
 - ☒ D. Gregor Johann Mendel

Q.18 A satellite is moving in a uniform circular orbit around the Earth. Which

- Ans**
- ☒ A. The satellite has a constant speed, but its velocity is not constant.
 - ☒ B. The satellite has a constant speed and no acceleration.
 - ☒ C. The satellite has a constant velocity, but its speed is not constant.
 - ☒ D. The satellite has a constant velocity and a constant acceleration.

Q.19 Structural formula of branched chain organic compound 'Neopentane' may be represented by:

- Ans**
- A. $C(CH_3)_4$
 - B. $CH_3-CH(CH_3)-CH_2-CH_3$
 - C. $CH_3-CH(CH_3)-CH_2-CH_2-CH_3$
 - D. $CH_3-CH(CH_3)-CH_3$

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.20 Which of the following best defines an ion?

- Ans**
- ☒ A. An atom or group of atoms that has a positive or negative charge
 - ☒ B. An atom with equal number of protons and electrons
 - ☒ C. A neutral particle formed by the combination of atoms
 - ☒ D. A molecule with more neutrons than protons

Q.21 Which of the following organs in human females can produce hormones?

- Ans**
- ☒ A. Ovaries
 - ☐ B. Fallopian tubes
 - ☐ C. Cervix
 - ☐ D. Salivary glands

Q.22 Which of the following statements best explains kinetic energy?

- Ans**
- ☒ A. It is the energy an object has because of its motion, and it increases as the object's speed increases.
 - ☐ B. It is the energy that decreases as the object's speed increases.
 - ☐ C. It is the energy stored in an object due to its shape.
 - ☐ D. It is the energy an object has because it is at rest.

Q.23 Which of the following statements is **INCORRECT** about DNA copies produced during the process of reproduction?

- Ans**
- A. Copying of DNA is a pre-requisite for reproduction.
 - B. DNA copying is a completely error-free process.
 - C. DNA copies are single stranded.
 - D. DNA copies generated are similar but not identical.

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.24 Which of the following organs is involved in the function of reflex action?

- Ans**
- ☐ A. Middle ear
 - ☒ B. Spinal cord
 - ☐ C. Spleen
 - ☐ D. Kidney

Q.25 When gypsum is heated at 373 K, it loses water of crystallisation and forms _____.

- Ans**
- ☐ A. calcium chloride pentahydrate
 - ☒ B. calcium sulphate hemihydrate
 - ☐ C. calcium chloride hemihydrate
 - ☐ D. calcium sulphate pentahydrate

Section : Mathematics

Q.26 If the listed price of a bag is 93% more than its cost price and a discount of 59% is announced on it, then find the loss percentage.

- Ans**
- ☐ A. 20.89%
 - ☐ B. 23.12%
 - ☒ C. 20.87%
 - ☐ D. 24.87%

Q.27 Walking at $\frac{4}{7}$ of his normal speed, Abhijeet is 36 minutes late in reach

The usual time taken by him to cover the distance between his home :



- Ans**
- ☐ A. 56 minutes
 - ☐ B. 42 minutes
 - ☒ C. 48 minutes
 - ☐ D. 57 minutes

Q.28 Srikar spends 10% of his monthly income on rent, 20% of the rest on household expenditure and 25% of the rest on food and saves the rest. He finally saves ₹78,300. Find his monthly income.

- Ans
- ☐ A. ₹1,50,000
 - ☐ B. ₹1,00,000
 - ☒ C. ₹1,45,000
 - ☐ D. ₹1,78,300

Q.29 Which of the following expressions is the simplified form of $(2x + 5)(2$



- Ans
- ☐ A. $2(3x + 17)$
 - ☐ B. $2(3x - 17)$
 - ☒ C. $2(6x - 17)$
 - ☐ D. $2(6x + 17)$

Q.30 8 men or 9 women can do a job in 2 days. 8 men work for 1 day and leave. The number of women required to complete the remaining work in 9 days is:

- Ans
- ☐ A. 4
 - ☐ B. 2
 - ☒ C. 1
 - ☐ D. 3

Q.31 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 62% and that of the TV decreases by 51%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- Ans
- ☐ A. Increase by 17%
 - ☐ B. Decrease by 19%
 - ☒ C. Increase by 16.8%
 - ☐ D. Decrease by 21%

Q.32 What is the value of $\left[10\frac{1}{3} \div \frac{5}{3} \text{ of } (10 + 14 \div 3 - 1)\right]$?

- Ans
- ☐ A. $\frac{93}{105}$
 - ☐ B. $\frac{83}{205}$
 - ☒ C. $\frac{93}{205}$
 - ☐ D. $\frac{83}{105}$

Q.33 A shopkeeper buys 20 pens for ₹600 and sells them for ₹900. Find his profit percentage.

- Ans
- ☒ A. 50%
 - ☐ B. 40%
 - ☐ C. 15%
 - ☐ D. 33.33%

Q.34 The total number of colour blocks is 4641. If the ratio of red blocks to blue blocks is 6 : 10 and the ratio of blue blocks to yellow blocks is 2 : 7, then how many yellow blocks are there?

- Ans**
- ☐ A. 3148
 - ☒ B. 3185
 - ☐ C. 3155
 - ☐ D. 3149

Q.35 A 140-metre-long train crosses a platform thrice its length in 56 seconds. What is the speed of the train in km/hr?

- Ans**
- ☐ A. 26
 - ☐ B. 40
 - ☐ C. 33
 - ☒ D. 36

Q.36 If $\sin A = \frac{3}{5}$, and A is an acute angle, then find the value of $2\cot^2 A$ -

- Ans**
- ☐ A. $\frac{2}{9}$
 - ☐ B. $\frac{8}{9}$
 - ☒ C. $\frac{7}{9}$
 - ☐ D. $\frac{1}{9}$

Q.37 2 men can do a piece of work in 2 days. How many men will do it in 1 day?

- Ans**
- ☒ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3

Q.38 If Anirudh is as much elder than Praveen as he is younger than Suman and the sum of the ages of Praveen and Suman is 36 years, then find the age of Anirudh.

- Ans**
- ☐ A. 9 years
 - ☐ B. 24 years
 - ☐ C. 12 years
 - ☒ D. 18 years

Q.39 When the volume of a sphere is divided by its surface area, the result is 7 cm. Find the surface area.

- Ans**
- ☐ A. 5088 cm²
 - ☐ B. 5274 cm²
 - ☒ C. 5544 cm²
 - ☐ D. 4896 cm²

Q.40 A vendor offers her customers a discount of 24% on her beauty products and she still makes a profit of 22%. What is the cost price (in ₹) of a beauty product marked at ₹854?

- Ans**
- ☐ A. 586
 - ☐ B. 573
 - ☒ C. 532
 - ☐ D. 576

Q.41 A, B and C can do a piece of work in 2, 20 and 5 days respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans**
- ☐ A. 5
 - ☐ B. 12
 - ☐ C. 8
 - ☒ D. 4

Q.42 P is any point inside the rectangle ABCD. If $PA = 46$ cm, $PB = 16$ cm and $PC = 88$ cm, then the length of PD (in cm) is equal to:

- Ans**
- ☐ A. 100
 - ☐ B. 96
 - ☐ C. 94
 - ☒ D. 98

Q.43 If 20% of a number is added to 72, then the result is the same number. 65% of the same number is:

- Ans**
- ☒ A. 58.5
 - ☐ B. 88.5
 - ☐ C. 68.5
 - ☐ D. 78.5

Q.44 The average age of 31 students of a class is 14 years. If the age of the teacher is also included, the average age of the whole group becomes 15 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 49
 - ☐ B. 47
 - ☐ C. 45
 - ☒ D. 46

Q.45 Dev and Tej started a business, investing amounts of ₹1,800 and ₹1,620, respectively. If Dev's share in the profit earned by them is ₹930, what is the total profit (in ₹) earned by them together?

- Ans**
- ☐ A. 1,788
 - ☒ B. 1,767
 - ☐ C. 1,753
 - ☐ D. 1,869

Q.46 In a class test, the average score of 35 students was 44. Later, it was found that 25 was incorrectly recorded as 33 in two instances, and 36 was incorrectly recorded as 34 in one instance. What is the actual average score of the class?

- Ans**
- ☐ A. 42.6
 - ☒ B. 43.6
 - ☐ C. 41.6
 - ☐ D. 44.6

Q.47 A number is 18 more than its three-fourth. Find the number.

- Ans**
- ☐ A. 42
 - ☐ B. 54
 - ☒ C. 72
 - ☐ D. 36

Q.48 The volume (in m^3) of a cuboidal tank with dimensions $2 \text{ m} \times 11 \text{ m} \times 49 \text{ m}$ is:

- Ans
- ☒ A. 1102
 - ☒ B. 1078
 - ☒ C. 1061
 - ☒ D. 1049

Q.49 The number $23.232323\dots$ in the form p/q where p and q are integers

- Ans
- ☒ A. $\frac{2300}{9}$
 - ☒ B. $\frac{2300}{33}$
 - ☒ C. $\frac{2300}{11}$
 - ☒ D. $\frac{2300}{99}$

Q.50 To buy a new apartment, Shweta borrowed ₹9,95,500 at 4% per annum simple interest for 39 months. How much interest will she pay?

- Ans
- ☒ A. ₹1,39,545
 - ☒ B. ₹1,15,995
 - ☒ C. ₹1,29,415
 - ☒ D. ₹1,29,665

Section : General Intelligence and Reasoning

Q.51 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 conclusion(s) logically follow(s) from the statements.

Statements:

All goats are lions.
All lions are dogs

Conclusion (I): All dogs are goats.

Conclusion (II): Some lions are goats.

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

Q.52 What should come in place of the question mark (?) in the given series?
27 51 75 99 123 ?

- Ans
- ☒ A. 146
 - ☒ B. 147
 - ☒ C. 145
 - ☒ D. 148

Q.53 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 4 6 9 3 7 1 1 1 9 2 9 5 4 5 3 2 4 6 1 9 9 1 9 5 2 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

Ans ☒ A. 9

☐ B. 8

☐ C. 10

☐ D. 11

Q.54 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GHI-FGH

KLM-JKL

Ans ☐ A. BBB-ZAB

☐ B. BBB-ABC

☒ C. BCD-ABC

☐ D. BCD-ZBB

Q.55 Hitesh starts from Point A and drives 13 km towards the south. He then takes a right turn, drives 4 km, turns right and drives 14 km. He then takes a right turn and drives 9 km. He takes a final right 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. 5 km to the east

☒ B. 5 km to the west

☐ C. 6 km to the west

☐ D. 6 km to the east

Q.56 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 240, 20)

(10, 150, 15)

Ans ☐ A. (8, 90, 15)

☐ B. (8, 100, 15)

☒ C. (9, 180, 20)

☐ D. (15, 225, 16)

Q.57 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 letter-cluster pair 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. QR - MN

☐ B. NO - JK

☒ C. HJ - DL

☐ D. LM - HI

Q.58 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3674185, how many digits will appear more than once in the new number thus formed?

- Ans** ☒ A. Two
☒ B. Three
☒ C. None
☒ D. One

Q.59 Naksh ranked 45th from the top and 27th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 72
☒ B. 71
☒ C. 70
☒ D. 73

Q.60 A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. The correct combination of codes following the conditions is your answer.

Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	6	2	8	*	3	&	7	@	9	+	5	#	4
Codes	T	W	P	H	G	L	F	U	M	B	S	Y	K	D

Conditions:

(i) If the first element is a symbol and the last element a perfect square, the codes for these two (the first and last elements) are to be interchanged.

(ii) If both the second and third elements are symbols, the third element is to be coded as the code for the second element.

(iii) If the first element is a symbol and the fourth element is an odd number, the first and fourth elements are to be coded as ©.

What will be the code for the following group?

% 5 * & 9

- Ans** ☒ A. BYGFT
☒ B. TYGFB
☒ C. TYFFB
☒ D. ©YG©B

Q.61 Five people, A, B, C, D and E, are sitting in a row, facing north. Only two people sit between A and B. B sits between D and E. E sits second to the left of A. Who sits at the extreme left end of the row?

- Ans** ☒ A. B
☒ B. E
☒ C. C
☒ D. D

Q.62 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

TIU 20 VKW 21 XMY 22 ZOA 23 ?

- Ans** ☒ A. CQC 24
☒ B. BQC 24
☒ C. DQB 24
☒ D. BRC 24

Q.63 Each of the digits in the number 9612345 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. 8
☐ B. 6
☐ C. 9
☐ D. 7

Q.64 Arman starts from point A and drives 44 km towards south. He then takes a left turn, drives 42 km, turns left and drives 51 km. He then takes a left turn and drives 56 km. He takes a final left turn, drives 7 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☐ A. 12 km to the west
☐ B. 13 km to the east
☒ C. 14 km to the east
☐ D. 11 km to the west

Q.65 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 5 2 4 8 8 7 2 3 3 3 6 7 5 6 6 8 9 4 1 5 1 7 7 3 3 7 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☐ A. 3
☒ B. 2
☐ C. 1
☐ D. 4

Q.66 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

WP-SL-OR
TM-PI-LO

- Ans** ☐ A. QJ-MF-IK
☐ B. RJ-ME-IK
☐ C. RJ-MF-IK
☒ D. QJ-MF-IL

Q.67 Refer to the following number, symbol series and answer the question that follows.
Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) © @ 7 € \$ 5 \$ \$ * & 7 5 2 \$ 8 \$ © 7 © 4 6 £ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☐ A. Five
☐ B. Four
☐ C. Two
☒ D. Three

Q.68 In a code language,
A + B means 'A is the sister of B'
A - B means 'A is the father of B'
A x B means 'A is the mother of B'
A ÷ B means 'A is the brother of B'
Based on the above, how is P related to E if 'P - Q + C x D ÷ E'?

- Ans**
- ☒ A. Father's father
 - ☒ B. Mother's brother
 - ☒ C. Mother's father
 - ☒ D. Father's brother

Q.69 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6437585, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☒ A. Two
 - ☒ B. None
 - ☒ C. Three
 - ☒ D. One

Q.70 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.
C sits fourth to the right of X. Only two people sit between Y and W when counted from the left of Y. D sits third to the left of B. A is an immediate neighbour of B and W. How many people between C and A when counted from the left of A?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.71 What should come in place of the question mark (?) in the given series?

893 895 899 905 913 ?

- Ans**
- ☒ A. 923
 - ☒ B. 924
 - ☒ C. 921
 - ☒ D. 922

Q.72 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

MOS-QSW
RTX-VXB

- Ans**
- ☒ A. KMQ-OQU
 - ☒ B. KLO-OQU
 - ☒ C. KLO-NPT
 - ☒ D. KMQ-NQT

Q.73 In a certain code language, 'MOVE' is coded as '7481' and 'OVER' is coded as '8314'. What is the code for 'R' in that language?

- Ans**
- ☒ A. 4
 - ☒ B. 3
 - ☒ C. 8
 - ☒ D. 1

Q.74 Which letter cluster will replace the question mark (?) to complete the given series?
CCP FDN IEL ? OGH

- Ans**
- ☐ A. PLO
 - ☐ B. HJY
 - ☐ C. UUY
 - ☒ D. LFJ

Q.75 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 hair are nails. All nails are teeth.

Conclusions (I): Some hair are teeth.

Conclusions (II): All teeth are nails.

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

Q.76 A, B, C, E, F, P, and Q are sitting around a circular table, facing the centre. Only four people sit between C and E, when counted from the right of C. C sits third to the left of P. B sits third to the left of F. Q is an immediate neighbour of both E and P. How many people sit between A and Q, when counted from the right of A?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.77 What should come in place of the question mark (?) in the given series?

11 13 16 21 ? 39

- Ans**
- ☐ A. 22
 - ☒ B. 28
 - ☐ C. 25
 - ☐ D. 29

Q.78 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below S. Only one box is kept above Q. Only one box is kept between Q and P. R is kept immediately above N. O is kept at some place below M. How many boxes are kept between M and R?

- Ans**
- ☐ A. One
 - ☐ B. Three
 - ☒ C. Four
 - ☐ D. Two

Q.79 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 letter-cluster pair 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. TX – AC
 - ☒ B. OS – WY
 - ☐ C. AE – HJ
 - ☐ D. EI – LN

Q.80 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only) Counting to be done from left to right only.

(Left) 4 3 5 2 9 7 2 8 7 2 1 8 7 4 5 5 2 3 5 5 6 9 6 3 3 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. One
☐ B. Three
☐ C. Two
☐ D. Four

Section : General Awareness and Current Affairs

Q.81 Which edition of SIMBEX (Singapore-India Maritime Bilateral Exercise) was held in Singapore in July 2025?

- Ans** ☐ A. 42nd
☒ B. 32nd
☐ C. 22nd
☐ D. 52nd

Q.82 Which two co-operative banks merged as per Reserve Bank of India's January 2025 notification?

- Ans** ☐ A. Maratha Sahakari Bank and Janata Co-operative Bank
☐ B. PMC Co-operative Bank and Cosmos Co-operative Bank
☒ C. National Co-operative Bank and Cosmos Co-operative Bank
☐ D. Saraswat Co-operative Bank and Cosmos Co-operative Bank

Q.83 On 29 June 2025, the Union Ministry of Environment, Forest and Climate Change issued Model Rules to streamline regulations for _____.

- Ans** ☐ A. electricity supply for farmlands
☒ B. tree felling in agricultural lands
☐ C. interest rates of loans for farmers
☐ D. usage of pesticides and insecticides

Q.84 In which of the following states of India was the foundation stone laid in August 2025 for the Brahma-BEML Rail Manufacturing Hub, expected to reduce unemployment and empower local youth?

- Ans** ☐ A. Bihar
☐ B. Gujarat
☒ C. Madhya Pradesh
☐ D. Uttar Pradesh

Q.85 Which of the following Constitutional Amendment Bills was passed by the 17th Lok Sabha of India on 17 December 2024?

- Ans** A. 78th
B. 126th
C. 88th
D. 129th

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.86 Which Indian broke the 200 m national record at Asian Athletics Championships 2025?

- Ans**
- ☐ A. Manikanta Hoblidhar
 - ☐ B. Amlan Borgohain
 - ☐ C. Gurindervir Singh
 - ☒ D. Animesh Kujur

Q.87 How many new Khelo India Centres are planned by the Delhi Government in 2025?

- Ans**
- ☐ A. 2
 - ☒ B. 6
 - ☐ C. 10
 - ☐ D. 4

Q.88 Which of the following countries hosted the 6th BIMSTEC Summit in April 2025?

- Ans**
- ☐ A. Sri Lanka
 - ☐ B. Bangladesh
 - ☒ C. Thailand
 - ☐ D. Nepal

Q.89 As per the Economic Survey, 2024–25, which mission is part of India's Space Vision, 2047, for human spaceflight?

- Ans**
- ☐ A. Mangalyaan
 - ☐ B. Samudrayaan
 - ☐ C. Vikram
 - ☒ D. Gaganyaan

Q.90 Which spacecraft will be used for Axiom-4?

- Ans**
- ☐ A. Starliner
 - ☐ B. Orion
 - ☐ C. Soyuz MS-24
 - ☒ D. Crew Dragon C213

Q.91 Which NFL player won the BET Sportsman of the Year Award 2025?

- Ans**
- ☐ A. Lamar Jackson
 - ☐ B. Patrick Mahomes
 - ☒ C. Jalen Hurts
 - ☐ D. Josh Allen

Q.92 Which of the following trophies was renamed the Anderson-Tendulkar Trophy in June 2025?

- Ans**
- ☐ A. T20 Trophy
 - ☒ B. Test series trophy
 - ☐ C. ODI Trophy
 - ☐ D. IPL Trophy

Q.93 What percentage of India's areas are earthquake-prone as of March 2025?

- Ans**
- ☐ A. 73%
 - ☐ B. 39%
 - ☒ C. 59%
 - ☐ D. 47%

Q.94 What was the name of the initiative launched by the Indian Prime Minister on World Environment Day in 2025?

- Ans**
- ☐ A. Save Water Mission
 - ☒ B. Ek Ped Maa Ke Naam 2.0
 - ☐ C. Green Earth Project 3.0
 - ☐ D. Clean India Campaign 7.0

Q.95 As per Sustainable Development Goals – National Indicator Framework Progress Report, 2025, the percentage of population using an improved drinking water source in rural areas increased from 94.57% in 2015-16 to what percentage in 2024-25, indicating significant progress toward universal safe water access in rural India?

- Ans**
- ☒ A. 99.62%
 - ☐ B. 95.32%
 - ☐ C. 96%
 - ☐ D. 98%

Q.96 When was the 48th edition of the Paris Marathon held?

- Ans**
- ☐ A. March 30
 - ☐ B. May 1
 - ☒ C. April 13
 - ☐ D. April 1

Q.97 Which Kannada short-story collection became the first-ever to win the International Booker Prize in 2025?

- Ans**
- ☐ A. Once Elephants Lived Here
 - ☒ B. Heart Lamp: Selected Stories
 - ☐ C. Theory & Practice
 - ☐ D. The Many Lives of Syeda X

Q.98 On which date was the International Day of Families 2025 observed globally, focusing on the role of digital technology in family life?

- Ans**
- ☐ A. May 10
 - ☒ B. May 15
 - ☐ C. May 12
 - ☐ D. May 18

Q.99 Which among the community-focused transparency initiatives did the Ghaziabad, Uttar Pradesh police introduce in September 2025?

- Ans**
- ☐ A. 'Police Outreach Day' to resolve neighborhood safety concerns
 - ☐ B. 'Public Accountability Meet' releasing monthly action reports
 - ☒ C. 'Vadi Samvad Diwas' allowing citizens to engage directly with investigators
 - ☐ D. 'Jan Sunwai Sabha' for direct citizen-police dialogue

Q.100 As of 30 April 2025, the 'GenomeIndiaA' project has completed whole genome sequencing (WGS) database of approximately how many individuals?

- Ans**
- ☐ A. 11,000
 - ☐ B. 8000
 - ☒ C. 10,000
 - ☐ D. 6600



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Ramtekdi 1
Test Date	03/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 In a genetic lab, a fertilised human embryo is found to have XX chromosomes. Which of the following is true?

- Ans ☒ A. The embryo has an extra Y chromosome.
☒ B. The embryo will become a human female.
☒ C. The embryo lacks sex chromosomes.
☒ D. The embryo will become a human male.

Q.2 In Spirogyra, each fragment develops into a complete individual. What can be the possible reason for this?

- Ans ☒ A. Fragmentation happens only under laboratory conditions.
☒ B. Each cell is capable of independent growth.
☒ C. Each fragment has roots.
☒ D. Each fragment has complex organs.

Q.3 Which meristematic tissue has the highest levels of Auxin?

- Ans ☒ A. Lateral Meristematic tissue
☒ B. Xylem
☒ C. Apical Meristematic tissue
☒ D. Intercalary Meristematic tissue

Q.4 In the following reaction, $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$, iron:

- Ans ☒ A. is unchanged
☒ B. is reduced
☒ C. is oxidised
☒ D. acts a catalyst

Q.5 An object has a weight of 24 N on Earth. What will be its weight on the Moon's surface?

- Ans ☒ A. 4 N
☒ B. 240 N
☒ C. 144 N
☒ D. 6 N

Q.6 Which of the following conditions will NOT increase the rate of evaporation?

- Ans**
- ☐ A. Decreased Humidity
 - ☐ B. Increased Temperature
 - ☐ C. Increased Surface Area
 - ☒ D. Decreased Wind Speed

Q.7 Which of the following is NOT a biotic loss during the storage of grains?

- Ans**
- ☐ A. Loss by rodents
 - ☐ B. Loss by insects
 - ☐ C. Loss by mites
 - ☒ D. Loss by inappropriate moisture

Q.8 During indigestion, the stomach produces too much acid, that may be neutralised by which of the following?

- Ans**
- ☐ A. Magnesium sulphate (Milk of magnesia)
 - ☒ B. Magnesium hydroxide (Milk of magnesia)
 - ☐ C. Magnesium oxide (Milk of magnesia)
 - ☐ D. Magnesium carbonate (Milk of magnesia)

Q.9 The IUPAC name of following compound is _____.



- Ans**
- ☐ A. 1-Bromopentane
 - ☐ B. 2-Bromopentene
 - ☒ C. 2-Bromopentane
 - ☐ D. 3-Bromopentane

Q.10 Which of the following statements about the magnetic field due to a circular loop is true?

- Ans**
- ☐ A. The field is uniform everywhere around the loop.
 - ☐ B. The field lines at the centre are circular.
 - ☒ C. The field depends on current and radius.
 - ☐ D. The field lines are parallel to the plane of the loop.

Q.11 Which of the following quantities represents the slope in a displacement-time graph?

- Ans**
- ☐ A. Speed
 - ☐ B. Distance
 - ☐ C. Acceleration
 - ☒ D. Linear velocity

Q.12 Which of the following life processes leads to the breakdown of glucose in the absence of oxygen?

- Ans**
- ☐ A. Digestion
 - ☒ B. Fermentation
 - ☐ C. Excretion
 - ☐ D. Aerobic respiration

Q.13 What makes the brain suitable for thinking activities?

- Ans**
- ☐ A. Its smooth surface
 - ☐ B. Its connection to the heart
 - ☒ C. Its complex arrangement of many neurons
 - ☐ D. Its location near the ears

Q.14 Which of the following compounds is classified as a saturated hydrocarbon?

- Ans**
- ☐ A. Ethene
 - ☐ B. Benzene
 - ☐ C. Ethyne
 - ☒ D. Ethane

Q.15 Which of the following is a homogeneous mixture?

- Ans**
- ☒ A. Air
 - ☐ B. Soil
 - ☐ C. Oil and water
 - ☐ D. Sand and iron filings

Q.16 Which gas is used by animals to live under water?

- Ans**
- ☐ A. Carbon dioxide
 - ☒ B. Dissolved oxygen
 - ☐ C. Nitrogen
 - ☐ D. Dry carbon dioxide

Q.17 Plaster of Paris is prepared by heating which of the following?

- Ans**
- ☐ A. Limestone
 - ☐ B. Slaked lime
 - ☐ C. Baking soda
 - ☒ D. Gypsum

Q.18 Which of the following is true about the magnetic field inside a solenoid?

- Ans**
- ☐ A. It forms random patterns.
 - ☐ B. It is zero.
 - ☐ C. It is non-uniform.
 - ☒ D. It is uniform and in the form of parallel straight lines.

Q.19 Which of the following eye defects is mainly due to the weakening of the power of accommodation with age?

- Ans**
- ☐ A. Myopia
 - ☐ B. Hypermetropia
 - ☒ C. Presbyopia
 - ☐ D. Astigmatism

Q.20 The effect of multiple reflections of sound in large halls or auditoriums is, _____.

- Ans**
- ☐ A. it converts sound into heat
 - ☐ B. it blocks sound propagation
 - ☒ C. it helps in uniform distribution of sound
 - ☐ D. it eliminates all echoes

Q.21 Which of the following tissues is very elastic and used to connect two bones in our body?

- Ans**
- ☐ A. Macrophage
 - ☐ B. Mast cell
 - ☒ C. Ligament
 - ☐ D. Adipocyte

Q.22 The energy possessed by a moving object due to its motion is called:

- Ans**
- ☐ A. chemical energy
 - ☐ B. potential energy
 - ☒ C. kinetic energy
 - ☐ D. thermal energy

Q.23 Which of the following statements is correct about reproduction?

1. Bulls alone can produce a calf.
2. Hens alone can not produce new chicks.

- Ans**
- ☐ A. Statement 1 is correct but Statement 2 is false.
 - ☒ B. Statement 2 is correct but Statement 1 is false.
 - ☐ C. Both statements are false.
 - ☐ D. Both statements are correct.

Q.24 An object is said to be in uniform motion if:

- Ans**
- ☒ A. it covers equal distances in equal time intervals
 - ☐ B. it covers unequal distances in unequal time intervals
 - ☐ C. it covers equal distances in unequal time intervals
 - ☐ D. it covers unequal distances in equal time intervals

Q.25 When a ray of light passes through the optical centre of a spherical lens, it _____.

- Ans**
- ☐ A. Always reflects back
 - ☒ B. Emerges undeviated
 - ☐ C. Bends toward the focus
 - ☐ D. Gets deviated away from the normal

Section : Mathematics

Q.26 A train passes two tunnels of length 2091 m and 1259 m in 89 seconds and 63 seconds, respectively. What is the length of the train?

- Ans**
- ☒ A. 757 m
 - ☐ B. 759 m
 - ☐ C. 747 m
 - ☐ D. 748 m

Q.27 If $A : B = 4 : 6$ and $B : C = 7 : 12$, then $A : B : C$ is:

- Ans**
- ☒ A. 14 : 21 : 36
 - ☐ B. 11 : 23 : 4
 - ☐ C. 4 : 31 : 21
 - ☐ D. 4 : 7 : 9

Q.28 The sides of a triangle are 148 cm, 57 cm, and 175 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 57 cm?

- Ans ☒ A. 140
☒ B. 177
☒ C. 121
☒ D. 188

Q.29 Simplify: $2\frac{1}{2} \div \frac{5}{8} + \frac{3}{4} \times \frac{2}{3} - \frac{5}{6}$
 $(15-6)^2 \div 9 + \frac{1}{2}$

- Ans ☒ A. $\frac{20}{57}$
☒ B. $\frac{22}{57}$
☒ C. $\frac{18}{57}$
☒ D. $\frac{17}{57}$

Q.30 The ratio of the present ages of P and Q is 4 : 3. Six years later, the ratio will be 5 : 4. Find the difference between their present ages.

- Ans ☒ A. 10 years
☒ B. 8 years
☒ C. 6 years
☒ D. 4 years

Q.31 Simplify: $2.\overline{34} - 1.\overline{89}$

- Ans ☒ A. $\frac{4}{9}$
☒ B. $\frac{47}{99}$
☒ C. $\frac{5}{9}$
☒ D. $\frac{9}{20}$

Q.32 In a triangle XYZ, $\angle X - \angle Y = 40^\circ$ and $\angle Y - \angle Z = 25^\circ$. The ratio

- Ans ☒ A. 4 : 5
☒ B. 1 : 5
☒ C. 3 : 4
☒ D. 2 : 3

Q.33 What is the difference between the simple interest on a principal of ₹3,600 being calculated at 15% per annum for 3 years and 14% per annum for 4 years?

- Ans ☒ A. ₹396
☒ B. ₹416
☒ C. ₹386
☒ D. ₹406

Q.34 A person saves 60% of his income. If his expenditure is ₹600, then his income (in ₹) is:

- Ans
- ☐ A. 1,360
 - ☐ B. 1,240
 - ☒ C. 1,500
 - ☐ D. 1,540

Q.35 A sum of money is to be distributed among A, B, C and D in the ratio 6 : 7 : 17 : 19. If C gets ₹250 more than B, then how much did A receive?

- Ans
- ☒ A. ₹150
 - ☐ B. ₹147
 - ☐ C. ₹148
 - ☐ D. ₹149

Q.36 A class of 91 students took a Physics test. 12 students had an average score of 64. The other students had an average score of 77. What is the average score (rounded up to one decimal place) of the whole class?

- Ans
- ☐ A. 79.7
 - ☐ B. 79.4
 - ☐ C. 73.6
 - ☒ D. 75.3

Q.37 Navya and Bhavya can paint a house in 50 days and 75 days, respectively. If they work on alternate days, starting with Bhavya, in how many days can the duo complete painting that house?

- Ans
- ☐ A. 59 days
 - ☐ B. 63 days
 - ☒ C. 60 days
 - ☐ D. 55 days

Q.38 A vendor offers her customers a discount of 29% on her beauty products and she still makes a profit of 12%. What is the cost price (in ₹) of a beauty product marked at ₹896?

- Ans
- ☐ A. 721
 - ☐ B. 622
 - ☐ C. 574
 - ☒ D. 568

Q.39 After selling 88 phones, a store owner incurred a loss which is equal to the selling price of 8 phones. Find his loss percentage.

- Ans
- ☒ A. $8\frac{1}{3}\%$
 - ☐ B. 10%
 - ☐ C. $12\frac{1}{2}\%$
 - ☐ D. $6\frac{1}{4}\%$

Q.40 One pipe can fill a tank in 4 minutes while another pipe can empty the completely filled tank in 8 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans
- ☐ A. 4
 - ☐ B. 8
 - ☐ C. 6
 - ☒ D. 2

Q.41 A car travels for 180 km at a speed of 60 km/hr and then returns along the same route at a speed of 45 km/hr. By how many minutes is the return journey longer than the onward journey?

- Ans**
- ☐ A. 15 min
 - ☒ B. 60 min
 - ☐ C. 80 min
 - ☐ D. 120 min

Q.42 The number of prime numbers lying between 480 and 489 is:

- Ans**
- ☐ A. 2
 - ☐ B. 0
 - ☐ C. 3
 - ☒ D. 1

Q.43 Sachin got a new curtain at 12% discount. If Sachin did not get any discount, Sachin would have to pay ₹747 extra. So how much did Sachin pay for the curtain?

- Ans**
- ☐ A. ₹5,479
 - ☐ B. ₹5,480
 - ☐ C. ₹5,476
 - ☒ D. ₹5,478

Q.44 Two-fifth of Vijay's marks in Hindi are more than one-third of his marks in Sanskrit by 5, while five times his marks in Hindi and five times his marks in Sanskrit together are equal to 310. Find his marks in Sanskrit.

- Ans**
- ☒ A. 27
 - ☐ B. 35
 - ☐ C. 31
 - ☐ D. 25

Q.45 The arithmetic mean of the observations 65, 41, 96, 44, 38, 30, 79, 90 and 21 is:

- Ans**
- ☐ A. 62
 - ☐ B. 64
 - ☐ C. 59
 - ☒ D. 56

Q.46 The length of the shadow of a vertical tower is equal to its height. Find the angle of elevation.

- Ans**
- ☐ A. 30°
 - ☐ B. 60°
 - ☐ C. 75°
 - ☒ D. 45°

Q.47 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 34% and that of the TV decreases by 21%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?

- Ans**
- ☐ A. Decrease by 9%
 - ☐ B. Increase by 19%
 - ☒ C. Increase by 12%
 - ☐ D. Decrease by 16%

Q.48 A person's income and expenditure are in the ratio 9 : 5. His income rises by 60% while his expenditure falls by 10%. If his initial expenditure was ₹15,500, then what will be his final saving (in ₹)?

- Ans** ☒ A. 36,900
☒ B. 39,600
☒ C. 30,690
☒ D. 30,960

Q.49 Simplify: $\frac{(3x)^3 - (4z)^3}{9x^2 + 12xz + 16z^2} \times (3x + 4z)$

- Ans** ☒ A. $\frac{1}{9x^2 - 16z^2}$
☒ B. $9x^2 - 16z^2$
☒ C. $9x^2 + 16z^2$
☒ D. $\frac{1}{9x^2 + 16z^2}$

Q.50 A cylindrical pipe, open at both ends, has an external diameter of 20 cm and an internal diameter of 16 cm. If the length of the pipe is 35 cm, find the volume of the metal used in making the pipe. (Use $\pi = 22/7$)

- Ans** ☒ A. 3360 cm³
☒ B. 3520 cm³
☒ C. 3080 cm³
☒ D. 3960 cm³

Section : General Intelligence and Reasoning

Q.51 A, B, C, D, W, X and Y are sitting in a straight line, facing the north. Only three people sit to the left of D. Only A sits to the right of C. Only three people sit between C and B. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

- Ans** ☒ A. Three
☒ B. Four
☒ C. Two
☒ D. One

Q.52 PM 3 is related to KP 17 in a certain way. In the same way, NK 6 is related to IN 20. To which of the given options is TK 4 related, following the same logic?

- Ans** ☒ A. GY 13
☒ B. ON 18
☒ C. NJ 12
☒ D. UY 14

Q.53 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
 GLO163, RWZ145, CHK127, NSV109, ?

- Ans** ☒ A. YDG91
☒ B. YUG91
☒ C. ZDG91
☒ D. YDH91

Q.54 Each of the digits in the number 5236789 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans** ☒ A. Three
☒ B. Four
☒ C. Five
☒ D. Six

Q.55 What should come in place of the question mark (?) in the given series?

842 844 848 854 862 ?

- Ans** ☒ A. 876
☒ B. 872
☒ C. 878
☒ D. 874

Q.56 What should come in place of the question mark (?) in the given series?

19 36 53 70 87 ?

- Ans** ☒ A. 103
☒ B. 104
☒ C. 101
☒ D. 102

Q.57 What should come in place of the question mark (?) in the given series?

9 12 10 13 11 ? 12

- Ans** ☒ A. 10
☒ B. 15
☒ C. 9
☒ D. 14

Q.58 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☒ A. KP-MJ
☒ B. OT-QM
☒ C. QV-SO
☒ D. MR-OK

Q.59 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers. (Left) 2 6 & 2 9 5 5 € 1 \$ 1 6 @ & € # 3 @ £ % 4 9 (Right)
How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☒ A. One
☒ B. Two
☒ C. Four
☒ D. Three

Q.60 Atul starts from Point A and drives 9 km towards west. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a left turn and drives 16 km. He takes a final left 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 degrees turns only unless specified)

- Ans** ☒ A. 8 km to the south
☐ B. 7 km to the south
☐ C. 8 km to the north
☐ D. 7 km to the north

Q.61 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) 3 3 9 5 9 1 5 5 4 2 6 9 5 5 8 5 3 2 8 6 7 6 3 6 4 9 1 (Right)
How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☐ A. 5
☐ B. 4
☐ C. 6
☒ D. 2

Q.62 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. NIG
☐ B. RML
☐ C. VQP
☐ D. SNM

Q.63 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 its 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.)

(14, 98, 7)
(6, 36, 6)

- Ans** ☒ A. (12, 72, 6)
☐ B. (8, 48, 7)
☐ C. (7, 49, 8)
☐ D. (5, 25, 7)

Q.64 In a certain code language, 'SKATE' is coded as '51324' and 'ASKEW' is coded as '47315'. What is the code for 'W' in the given code language?

- Ans** ☐ A. 5
☐ B. 3
☐ C. 4
☒ D. 7

Q.65 Gautam starts from Point Y and drives 34 km towards the east. He then takes a right turn, drives 68 km, turns right and drives 55 km. He then takes a right turn and drives 11 km. He takes a right turn, drives 81 km. He then turns left, drives 57 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 59 km towards the east
 - ☐ B. 63 km towards the west
 - ☐ C. 61 km towards the east
 - ☒ D. 60 km towards the west

Q.66 GB 15 is related to LF 12 in a certain way. In the same way, MH 20 is related to RL 17. To which of the following is PK 26 related, following the same logic?

- Ans**
- ☐ A. VN 23
 - ☒ B. UO 23
 - ☐ C. UN 24
 - ☐ D. WQ 24

Q.67 Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order.

Only B is kept above I. Only C is kept between I and J. Only A is kept below K.
How many boxes are kept between D and A?

- Ans**
- ☐ A. Four
 - ☐ B. Three
 - ☒ C. One
 - ☐ D. Two

Q.68 In a certain code language,
'A ? B' means 'A is the daughter of B'
'A = B' means 'A is the son of B'
'A @ B' means 'A is the father of B'
'A √ B' means 'A is the sister of B'
Based on the above, how is C related to L if 'C @ D = E √ F ? L'?

- Ans**
- ☐ A. Husband
 - ☒ B. Daughter's husband
 - ☐ C. Sister's husband
 - ☐ D. Father

Q.69 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TGA, UID, VKG, WMJ, ?

- Ans**
- ☐ A. ZPN
 - ☐ B. YON
 - ☐ C. ZLM
 - ☒ D. XOM

Q.70 Gaurav ranked 13th from the top and 33th from the bottom in his class. How many students are there in the class?

- Ans**
- ☐ A. 43
 - ☒ B. 45
 - ☐ C. 33
 - ☐ D. 35

Q.71 D, E, F, G, L, M and N are sitting in a straight line facing north.
Only three people sit between L and N. E sits to the immediate left of N. No one sits to the right of F. Only two people sit between F and E. M sits to the immediate right of D.
How many people sit between G and M?

- Ans**
- ☐ A. Four
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. One

Q.72 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 conclusion(s) logically follow(s) from the statements.

Statements:

All blinders are curtains.

All curtains are dividers.

Conclusions:

(I) Some dividers are curtains.

(II) All blinders are dividers.

- 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.73 Refer to the following series and answer the question (all numbers are single-digit numbers only). Counting to be done from Left to Right only.

(Left) 7 6 1 8 4 3 9 2 7 5 8 3 4 1 6 (Right)

How many such prime numbers are there, which are immediately followed by a prime number?

- Ans**
- ☐ A. More than three
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.74 In a certain code language, 'cloud is dark' is coded as 'dm ht ez' and 'the blue cloud' is coded as 'tz dm cm'. How is 'cloud' coded in that language?

- Ans**
- ☐ A. tz
 - ☐ B. cm
 - ☐ C. ez
 - ☒ D. dm

Q.75 L, M, N, O, P and Q are sitting around a circular table facing the centre. Q sits second to the right of O. L sits second to the left of N. M is on the immediate left of Q. Who is sitting on the immediate right of P?

- Ans**
- ☐ A. L
 - ☐ B. M
 - ☐ C. Q
 - ☒ D. N

- Q.76** 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:

All ostriches are crows.
Some ostriches are pigeons.
Some pigeons are sparrows.

Conclusions:

(I) Some crows are pigeons.
(II) Some ostriches are sparrows.

- Ans** ☒ A. Only II follows
☒ B. Only I follows
☒ C. Both I and II follow
☒ D. Neither I nor II follows

- Q.77** In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

KIND - NKID - DNIK

COST - SCOT - TSOC

- Ans** ☒ A. LAST - SLAT - ASTL
☒ B. FROM - OFRM - MORF
☒ C. ZONE - OZNE - EONZ
☒ D. SIGN - SGIN - NGIS

- Q.78** If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$28 - 19 \div 23 + 96 \times 3 = ?$$

- Ans** ☒ A. 517
☒ B. 541
☒ C. 508
☒ D. 523

- Q.79** Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 8 5 2 4 9 1 6 3 2 7 1 6 9 3 8 5 4 2 1 7 8 6 5 9 7 2 (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. One
☒ B. Three
☒ C. More than three
☒ D. Two

- Q.80** If 'A' stands for '+', 'B' stands for ' $\times$ ', 'C' stands for ' $\div$ ' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$43 \text{ C } 80 \text{ A } 8 \text{ D } 6 \text{ B } 5 = ?$$

- Ans** ☒ A. 24
☒ B. 22
☒ C. 23
☒ D. 21

Q.81 Which of the following indicators is included in the GoIStats app developed by the government of India in 2025?

- Ans**
- ☐ A. Space Mission Launches and Satellite Deployment Data
 - ☐ B. Global Sports Rankings and Olympic Medal Tally
 - ☒ C. National Accounts Statistics and Consumer Price Index
 - ☐ D. International Film Awards and Music Industry Data

Q.82 Which tennis player broke the record for the most Grand Slam titles in 2025?

- Ans**
- ☐ A. Rafael Nadal
 - ☐ B. Jannik Sinner
 - ☐ C. Carlos Alcaraz
 - ☒ D. Novak Djokovic

Q.83 According to the OECD Economic Outlook (Volume 2025 Issue 1), what is the projected OECD-wide inflation rate for 2025?

- Ans**
- ☐ A. 3.2%
 - ☐ B. 3.7%
 - ☒ C. 4.2%
 - ☐ D. 4.8%

Q.84 Which hockey legend received a Padma Award in 2025?

- Ans**
- ☒ A. PR Sreejesh
 - ☐ B. Dhanraj Pillay
 - ☐ C. Dhanraj Pillay
 - ☐ D. Sandeep Singh

Q.85 Which of the following global cities was officially declared the World Book Capital 2025 by UNESCO in 2025?

- Ans**
- ☐ A. Lisbon
 - ☒ B. Rio de Janeiro
 - ☐ C. Accra
 - ☐ D. Madrid

Q.86 Which city in India has achieved a notable milestone by ranking 6th worldwide in under-construction data centre capacity, according to Cushman & Wakefield's 2025 report?

- Ans**
- ☐ A. Bengaluru
 - ☒ B. Mumbai
 - ☐ C. Delhi
 - ☐ D. Hyderabad

Q.87 According to the Union Budget, 2025–26, presented in February 2025, approximately how much fund was allocated for pollution control in India?

- Ans**
- ☐ A. ₹958 crore
 - ☐ B. ₹745 crore
 - ☐ C. ₹572 crore
 - ☒ D. ₹854 crore

Q.88 Which tunnel was inaugurated by Prime Minister Narendra Modi in Jammu and Kashmir in January 2025?

- Ans**
- ☐ A. Howrah tunnel
 - ☐ B. Porbandar tunnel
 - ☒ C. Sonamarg tunnel
 - ☐ D. Munnar tunnel

Q.89 The Reserve Bank of India (Project Finance) Directions, 2025 have/shall come into force with effect from ____.

- Ans**
- ☐ A. 1 August 2025
 - ☐ B. 1 September 2025
 - ☐ C. 1 November 2025
 - ☒ D. 1 October 2025

Q.90 What is the estimated total foodgrain production in India for 2024-25, as per the Third Advance Estimates by the Ministry of Agriculture and Farmers' Welfare?

- Ans**
- ☐ A. 3450.75 LMT
 - ☐ B. 3499.00 LMT
 - ☐ C. 3600.20 LMT
 - ☒ D. 3539.59 LMT

Q.91 Who among the following handed over the first production lots of the 32-bit microprocessor developed for space applications KALPANA3201, to Dr. V. Narayanan, Secretary, DOS /Chairman, Indian Space Research Organisation (ISRO) in March 2025?

- Ans**
- ☐ A. Narendra Modi, Prime Minister of India
 - ☐ B. Droupadi Murmu, President of India
 - ☒ C. S Krishnan, Secretary, Ministry of Electronics & Information Technology (MeitY)
 - ☐ D. Jitin Prasada, Minister of State, Ministry of Electronics and Information Technology (MeitY)

Q.92 What is the rank of India in Climate Change Performance Index 2025?

- Ans**
- ☐ A. 8th
 - ☐ B. 12th
 - ☒ C. 10th
 - ☐ D. 14th

Q.93 As per Sustainable Development Goals – National Indicator Framework Progress Report, 2025, what was the percentage of waste processed in 2024-25, from 17.97% in 2015-16, indicating significant progress in waste management efficiency in India?

- Ans**
- ☒ A. 80.7%
 - ☐ B. 60%
 - ☐ C. 45%
 - ☐ D. 55.65%

Q.94 Which IAS officer, known for his 57 transfers in his service retired in April 2025?

- Ans**
- ☒ A. Ashok Khemka
 - ☐ B. KPS Gill
 - ☐ C. Priyam Saroj
 - ☐ D. Durga Shakti Nagpal

Q.95 Which celebrated author released his/her debut crime novel *As Dark As Blood* in January 2025?

- Ans**
- ☐ A. Shariq Us Sabah
 - ☒ B. Yasser Usman
 - ☐ C. Neha Dixit
 - ☐ D. Banu Mushtaq

Q.96 In January 2025, which two banks signed a Memorandum of Understanding (MoU) with the Assam government to provide zero-premium insurance coverage to employees?

- Ans**
- ☐ A. Indian Bank and Central Bank of India
 - ☐ B. Bank of Baroda and Bank of India
 - ☐ C. Axis Bank and HDFC Bank
 - ☒ D. State Bank of India and Union Bank of India

Q.97 Which Indian cricketer was inducted into the ICC Hall of Fame in June 2025?

- Ans**
- ☒ A. Mahendra Singh Dhoni
 - ☐ B. Shikhar Dhawan
 - ☐ C. Rohit Sharma
 - ☐ D. Virat Kohli

Q.98 Which edition of the India-Mongolia Joint Military Exercise *NOMADIC ELEPHANT*, was held from 31 May to 13 June 2025 in Ulaanbaatar, Mongolia?

- Ans**
- ☐ A. 13th
 - ☒ B. 17th
 - ☐ C. 19th
 - ☐ D. 15th

Q.99 Which of the following cities hosted the 84th Annual General Meeting of the Governing Body of the Dattopant Thengadi National Board for Workers Education and Development in March 2025?

- Ans**
- ☐ A. Bengaluru
 - ☐ B. Pune
 - ☐ C. Mumbai
 - ☒ D. New Delhi

Q.100 Who was awarded the Major Dhyan Chand Khel Ratna Award in January 2025 for chess?

- Ans**
- ☐ A. Arjun Erigaisi
 - ☐ B. Viswanathan Anand
 - ☒ C. D Gukesh
 - ☐ D. Vidit Gujrathi



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Rajarajeswari Medical College and Hospital
Test Date	04/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Read the statements given below and select the correct option.

Statement I: Zinc displaces copper from copper sulphate solution, but copper cannot displace zinc from zinc sulphate solution.

Statement II: Zinc is more reactive than copper in the reactivity series.

- Ans ☒ A. Only statement I is correct.
- ☒ B. Both statements are correct, and Statement II correctly explains Statement I.
- ☒ C. Only statement II is correct.
- ☒ D. Both statements are correct, but Statement II does not explain Statement I.

Q.2 What is the need for sexual reproduction in plants?

- Ans ☒ A. To produce identical clones
- ☒ B. To eliminate the need for pollination
- ☒ C. To increase genetic variation for better adaptation
- ☒ D. To avoid growing flowers

Q.3 Which of the following methods is NOT effective to prevent the corrosion of metals?

- Ans ☒ A. Galvanisation
- ☒ B. Exposure to moisture
- ☒ C. Painting
- ☒ D. Applying sacrificial anodes

Q.4 The Law of conservation of mass states that:

- Ans ☒ A. mass can neither be created nor destroyed in a chemical reaction
- ☒ B. temperature can neither be created nor destroyed in a chemical reaction
- ☒ C. volume can neither be created nor destroyed in a chemical reaction
- ☒ D. pressure can neither be created nor destroyed in a chemical reaction

Q.5 In the sign convention for lenses, all distances are measured from:

- Ans ☒ A. The focus of the lens
- ☒ B. The pole of the lens
- ☒ C. The optical centre of the lens
- ☒ D. The principal axis only

Q.6 Sound waves in air are longitudinal because:

- Ans**
- ☐ A. Air molecules do not vibrate
 - ☒ B. Particles move along the direction of propagation
 - ☐ C. Particles move randomly
 - ☐ D. Particles move perpendicular to direction of propagation

Q.7 Which of the following cell organelles releases Adenosine Tri Phosphate (ATP) molecules needed for life activities?

- Ans**
- ☐ A. Vacuoles
 - ☐ B. Golgi apparatus
 - ☐ C. Lysosomes
 - ☒ D. Mitochondria

Q.8 A gun recoils backward when fired. The backward motion of the gun is due to:

- Ans**
- ☒ A. Reaction force of the bullet on the gun
 - ☐ B. Air resistance
 - ☐ C. Friction between gun and person
 - ☐ D. Gravity acting on the gun

Q.9 The reactivity series, also known as the activity series, is a list of metals arranged in order of their:

- Ans**
- ☐ A. first decreasing, then increasing reactivity
 - ☒ B. decreasing reactivity
 - ☐ C. first increasing, then decreasing reactivity
 - ☐ D. increasing reactivity

Q.10 What is the atomic mass of Carbon-13 Isotope?

- Ans**
- ☒ A. 13 amu
 - ☐ B. 12 amu
 - ☐ C. 14 amu
 - ☐ D. 11 amu

Q.11 Which of the following is a popular marine fish variety found in India?

- Ans**
- ☒ A. Pomfret
 - ☐ B. Mrigal
 - ☐ C. Rohu
 - ☐ D. Catla

Q.12 Which of the following organisms reproduce by the method of binary fission?

- Ans**
- ☐ A. Rose plant
 - ☐ B. Butterfly
 - ☒ C. Leishmania
 - ☐ D. Neem plant

Q.13 Which of the following environmental cues determined the sex of fertilised egg in few reptiles?

- Ans**
- ☐ A. Water
 - ☐ B. Touch
 - ☐ C. Wind velocity
 - ☒ D. Temperature

Q.14 A car travels 100 km at an average speed of 50 km h^{-1} and immediately returns along the same route covering the distance in 1 hour. What is the average speed of the car for the entire journey in m s^{-1} ?

- Ans**
- ☐ A. 16.67 m s^{-1}
 - ☐ B. 13.9 m s^{-1}
 - ☐ C. 20.0 m s^{-1}
 - ☒ D. 18.52 m s^{-1}

Q.15 In the connective tissue, what is the relative position of the cells with respect to each other?

- Ans**
- A. Loosely packed
 - B. One above the other
 - C. Far away from each other
 - D. Tightly packed

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.16 What is the name of the place where bees are kept for commercial honey production?

- Ans**
- ☐ A. Sanctuary
 - ☐ B. Aquarium
 - ☐ C. Aviary
 - ☒ D. Apiary

Q.17 A concave lens produces an image one-third the size of the object. If the focal length is 12 cm, the object distance is:

- Ans**
- ☐ A. 12 cm
 - ☐ B. 18 cm
 - ☐ C. 36 cm
 - ☒ D. 24 cm

Q.18 Which of the following compounds is unsaturated?

- Ans**
- ☐ A. Butane
 - ☒ B. Propene
 - ☐ C. Propane
 - ☐ D. Methane

Q.19 The magnetic field at the centre of a current carrying circular loop is directly proportional to _____.

- Ans**
- ☐ A. inverse of current flowing through the loop
 - ☐ B. the square of the radius of the circular loop
 - ☐ C. the square of the current flowing through the loop
 - ☒ D. the current flowing through the loop

Q.20 A charge of 1.5 C is moved through a potential difference. If the work done is 30 J, what is the potential difference between the two points?

- Ans**
- ☐ A. 45 V
 - ☐ B. 30 V
 - ☒ C. 20 V
 - ☐ D. 25 V

Q.21 Which of the following represents an end product of anaerobic respiration in animals?

- Ans**
- ☐ A. Carbon monoxide
 - ☐ B. Glucose
 - ☒ C. Lactic acid
 - ☐ D. Oxygen

Q.22 Which of the following gases is evolved when dilute hydrochloric acid reacts with sodium hydrogencarbonate?

- Ans**
- ☐ A. Hydrogen
 - ☐ B. Nitrogen
 - ☒ C. Carbon dioxide
 - ☐ D. Oxygen

Q.23 If the thrust acting on a surface is constant but the area of contact decreases, the pressure:

- Ans**
- ☒ A. increases
 - ☐ B. becomes zero
 - ☐ C. remains the same
 - ☐ D. decreases

Q.24 The atomic number is defined as the total number of _____ present in the nucleus of an atom.

- Ans**
- ☐ A. protons and neutrons
 - ☐ B. only neutrons
 - ☒ C. only protons
 - ☐ D. neutrons and half of the protons

Q.25 If a body falls freely from a height, its potential energy is converted into _____.

- Ans**
- ☐ A. Thermal energy
 - ☒ B. Kinetic energy
 - ☐ C. Sound energy
 - ☐ D. Chemical energy

Section : Mathematics

Q.26 Simplify the following.

$$(2x^3y^5z) \times (5xy^6z^2) \div (15x^2yz^2)$$

- Ans**
- ☐ A. $\frac{x^2y^{10}z}{3}$
 - ☐ B. $\frac{x^2y^5z^2}{2}$
 - ☐ C. $\frac{2x^2y^{10}z}{5}$
 - ☒ D. $\frac{2x^2y^{10}z}{3}$

Q.27 A train, 1195 m-long, is running at a speed of 23m/s. If it takes 72 seconds to cross a tunnel, then find the length of the tunnel.

- Ans**
- ☐ A. 452 m
 - ☐ B. 462 m
 - ☒ C. 461 m
 - ☐ D. 454 m

Q.28 From a point on the ground, the angle of elevation to the top of a tower is θ such that $\tan\theta = 3/4$. Find the sine of angle θ .

- Ans
- ☐ A. $\frac{4}{5}$
 - ☒ B. $\frac{3}{5}$
 - ☐ C. $\frac{5}{3}$
 - ☐ D. $\frac{3}{4}$

Q.29 2 men or 9 women can do a job in 9 days. 2 men work for 5 days and leave. The number of women required to complete the remaining work in 9 days is:

- Ans
- ☐ A. 6
 - ☐ B. 7
 - ☒ C. 4
 - ☐ D. 3

Q.30 The sides of a triangle are 102 cm, 154 cm, and 80 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 154 cm?

- Ans
- ☒ A. 48
 - ☐ B. 3
 - ☐ C. 94
 - ☐ D. 15

Q.31 The number of prime numbers lying between 440 and 452 is:

- Ans
- ☒ A. 2
 - ☐ B. 1
 - ☐ C. 0
 - ☐ D. 3

Q.32 One pipe can fill a tank in 6 minutes while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans
- ☒ A. 3
 - ☐ B. 12
 - ☐ C. 9
 - ☐ D. 6

Q.33 The vertices of a quadrilateral are A(2,3), B(5,7), C(10,6), and D(7,2). Find the area of the quadrilateral ABCD.

- Ans
- ☒ A. 23 sq. units
 - ☐ B. 25 sq. units
 - ☐ C. 28 sq. units
 - ☐ D. 20 sq. units

Q.34 $\frac{1}{20}$ is what percentage of $\frac{2}{50}$?

- Ans
- ☐ A. 135%
 - ☐ B. 250%
 - ☐ C. 140%
 - ☒ D. 125%

Q.35 What is the simple interest on a sum of ₹3,500, if the rate of interest for the first 6 years is 8% per annum and for the last 3 years is 3% per annum?

- Ans**
- ☐ A. ₹2,025
 - ☒ B. ₹1,995
 - ☐ C. ₹2,015
 - ☐ D. ₹1,955

Q.36 A garrison of 1,200 men has provisions for 12 days. How long (in days) will the provisions last if the garrison is increased to 1,800 men?

- Ans**
- ☐ A. 10
 - ☐ B. 7
 - ☒ C. 8
 - ☐ D. 9

Q.37 If an item marked at ₹758 is sold for ₹256, then what is the discount percentage? (Round off the answer to two decimal places)

- Ans**
- ☐ A. 68.31%
 - ☒ B. 66.23%
 - ☐ C. 68.94%
 - ☐ D. 68.01%

Q.38 The ratio of the ages of John and James will be 8 : 7 after 8 years. If the difference between their ages is 5 years, find the present age of James.

- Ans**
- ☐ A. 28 years
 - ☐ B. 32 years
 - ☒ C. 27 years
 - ☐ D. 35 years

Q.39 A train overtakes two persons walking along a railway track. The first one walks at 5.4 km/hr. The other one walks at 18 km/hr. The train needs 30 and 44 seconds, respectively, to overtake them. What is the speed of the train, if both the persons are walking in the same direction as the train?

- Ans**
- ☐ A. 38 km/hr
 - ☐ B. 49 km/hr
 - ☐ C. 37 km/hr
 - ☒ D. 45 km/hr

Q.40 The income of Raman is ₹25,000. He saves 25.5% of his income. If his income increases by 20% and expenditure increases by 40%, then his savings will:

- Ans**
- ☒ A. decrease by ₹2,450
 - ☐ B. decrease by ₹2,452
 - ☐ C. increase by ₹2,453
 - ☐ D. increase by ₹2,446

Q.41 If 30% of 40% of $\frac{5}{9}$ of a number is 704, find the number.

- Ans**
- ☐ A. 13,420
 - ☐ B. 10,540
 - ☐ C. 10,960
 - ☒ D. 10,560

Q.42 The length of each of the two equal sides of an isosceles triangle is 78 cm, and the length of its base is 60 cm. Find the area (in cm^2) of the triangle.

- Ans**
- ☐ A. 2158
 - ☐ B. 2165
 - ☒ C. 2160
 - ☐ D. 2175

Q.43 A class of 43 students took a Physics test. 10 students had an average score of 99. The other students had an average score of 55. What is the average score (rounded off to one decimal place) of the whole class?

- Ans**
- ☐ A. 67.5
 - ☒ B. 65.2
 - ☐ C. 74.8
 - ☐ D. 66.8

Q.44 If $X - Y = 20$ and $XY = 12$, then find the value of $X^2 + Y^2$.

- Ans**
- ☐ A. 420
 - ☒ B. 424
 - ☐ C. 422
 - ☐ D. 426

Q.45 R pays ₹20 with ₹2 and ₹5 coins. If at least one coin of each denomination is used in paying the amount, then the number of ₹2 coins used is ____.

- Ans**
- ☒ A. 5
 - ☐ B. 4
 - ☐ C. 10
 - ☐ D. 8

Q.46 The unit prices of lemon chocolate and strawberry chocolate are in the ratio 28 : 26, and a family consumes them in the ratio 15 : 14 by quantity. Find the ratio of expenditure on strawberry chocolate to that on lemon chocolate.

- Ans**
- ☐ A. 12 : 21
 - ☐ B. 10 : 21
 - ☐ C. 15 : 17
 - ☒ D. 13 : 15

Q.47 The marked price of an item is set at 51% above its cost price. If the merchant sells the item at 8% below the marked price, his profit percentage (rounded off to 1 decimal place) is:

- Ans**
- ☐ A. 42.4%
 - ☒ B. 38.9%
 - ☐ C. 36.8%
 - ☐ D. 42.9%

Q.48 Seema bought a microwave oven for ₹7,500 and sold it for ₹8,750. Find Seema's profit percentage. (Round off your answer to two decimal places.)

- Ans**
- ☐ A. 18.67%
 - ☐ B. 14.23%
 - ☒ C. 16.67%
 - ☐ D. 16.33%

Q.49 The sum of three numbers is 4512. If the ratio between the first and second numbers is 16 : 9 and that of between the second and third is 15 : 21, then find the difference between the first and the third number.

- Ans** ☒ A. 408
☒ B. 480
☒ C. 398
☒ D. 389

Q.50 Calculate the mode of the following data. (Round off to two decimal places)

Mark s No. of Stud ents	4-8	8-12	12-16	16-20	20-24	24-28	28-32	32-36
	9	12	18	34	26	20	12	7

- Ans** ☒ A. 18.67
☒ B. 22.67
☒ C. 24.67
☒ D. 20.67

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?
 153 135 117 99 81 ?

- Ans** ☒ A. 69
☒ B. 63
☒ C. 68
☒ D. 61

Q.52 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$21 \div 5 - 25 + 180 \times 3 = ?$$

- Ans** ☒ A. 75
☒ B. 72
☒ C. 70
☒ D. 74

Q.53 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 # 2 3 Ω 9 % 4 7 8 & * £ 5 + @ 6 \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another number?

- Ans** ☒ A. 2
☒ B. 3
☒ C. 5
☒ D. 4

Q.54 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 1 9 1 1 5 4 2 2 9 4 3 9 3 7 1 1 6 7 3 2 2 2 7 4 6 7 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans
- ☐ A. 4
 - ☐ B. 1
 - ☒ C. 2
 - ☐ D. 3

Q.55 Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) £ \$ 9 3 4 9 7 £ % & # 7 3 1 8 7 5 * @ 4 £ \$ (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans
- ☒ A. 1
 - ☐ B. 2
 - ☐ C. 0
 - ☐ D. 3

Q.56 In a certain code language, 'OVAL' is coded as '2635' and 'LAVE' is coded as '5762'. What is the code for 'E' in the given code language?

- Ans
- ☒ A. 7
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 6

Q.57 In a certain code language,

'A ? B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B',
'A @ B' means 'A is the mother of B' and
'A √ B' means 'A is the father of B'.

How is C related to L if 'C @ D ? E √ F = L'?

- Ans
- ☐ A. Wife
 - ☐ B. Wife's sister
 - ☐ C. Mother
 - ☒ D. Wife's mother

Q.58 QN 3 is related to RJ -12 in a certain way. In the same way, HE 7 is related to IA -8. To which of the given options is LI 11 related, following the same logic?

- Ans
- ☐ A. MD -8
 - ☐ B. LE -8
 - ☐ C. LD -4
 - ☒ D. ME -4

Q.59 Mr. Z starts from Point A and drives 14 km towards the North. He then takes a left turn, drives 19 km, then turns left and drives 30 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 16 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. 2 km to the west
 - ☐ B. 5 km to the north
 - ☐ C. 3 km to the east
 - ☐ D. 1 km to the south

Q.60 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 conclusion(s) logically follow(s) from the statements.

Statements:

Some balls are hens.

All vans are hens.

Conclusion (I) : Some balls are vans.

Conclusion (II) : All hens are vans.

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

Q.61 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 39, 3)

(15, 75, 5)

- Ans**
- ☐ A. (5, 25, 15)
 - ☐ B. (64, 8, 4)
 - ☒ C. (12, 36, 3)
 - ☐ D. (10, 35, 3)

Q.62 What should come in place of the question mark (?) in the given series?

20 27 13 34 ? 41

- Ans**
- ☐ A. 4
 - ☐ B. 8
 - ☒ C. 6
 - ☐ D. 10

Q.63 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

CAFE - CEAF - ECFA
ABLY - AYBL - YALB

- Ans**
- ☒ A. MAZE - AMZE - EAZM
 - ☒ B. KALE - KLAE - ELAK
 - ☒ C. NEAR - NREA - ENAR
 - ☒ D. ECHO - EOCH - OEHC

Q.64 John ranked 21st from the bottom and 33rd from the top in his class. How many students are there in his class?

- Ans**
- ☒ A. 51
 - ☒ B. 50
 - ☒ C. 53
 - ☒ D. 52

Q.65 In a certain code language, 'she play guiter' is coded as 'so tn yw' and 'play chess daily' is coded as 'nj bg so'. How is 'play' coded in the given language?

- Ans**
- ☒ A. nj
 - ☒ B. tn
 - ☒ C. bg
 - ☒ D. so

Q.66 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. LO-JM
 - ☒ B. UX-SW
 - ☒ C. RU-PT
 - ☒ D. OR-MQ

Q.67 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

TIPS - PTIS - SPIT
LOST - SLOT - TSOL

- Ans**
- ☒ A. FROM - OFRM - ROMF
 - ☒ B. SPIN - ISPN - NIPS
 - ☒ C. BOND - OBND - DONB
 - ☒ D. OATH - OTAH - HTAO

Q.68 F, G, H, I, M, N and O are sitting around a circular table, facing the centre of the table. Only two people sit between F and G, when counted from the right of F. Only two people sit between G and M, when counted from right of G. Only three people sit between F and N, when counted from the right of F. H sits to the immediate left of I. Who sits third to the left of O?

- Ans**
- ☒ A. F
 - ☒ B. H
 - ☒ C. G
 - ☒ D. I

Q.69 Himesh starts from Point A and drives 4 km towards the south. He then takes a left turn, drives 7 km, turns right and drives 6 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 3 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 degrees turns only, unless specified.)

- Ans**
- ☐ A. 4 km towards north
 - ☐ B. 7 km towards west
 - ☐ C. 11 km towards east
 - ☒ D. 7 km towards north

Q.70 If each of the digits in the number 47315628 is arranged in ascending order from left to right, then the position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. Four
 - ☐ B. One
 - ☐ C. Three
 - ☐ D. Two

Q.71 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 1 8 3 3 1 5 4 8 5 1 4 4 9 5 9 6 8 7 3 5 3 6 6 9 (Right)

How many such digits are there each of which is immediately preceded by a perfect square and also immediately followed by a perfect square?
(Note: 1 is also a perfect square)

- Ans**
- ☐ A. Five
 - ☒ B. Four
 - ☐ C. Three
 - ☐ D. One

Q.72 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$48 + 36 \div 36 \times 24 - 50 = ?$$

- Ans**
- ☐ A. 46
 - ☐ B. 42
 - ☐ C. 45
 - ☒ D. 44

Q.73 Seven boxes M, N, O, P, Q, R, and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above S. Only one box is kept between R and S. Only three boxes are kept between R and Q. Q is kept at some place above S. N is kept immediately below Q. M is kept at one of the places above O. P is not kept immediately above or below R. Which box is kept at the lowermost position?

- Ans**
- ☐ A. N
 - ☒ B. O
 - ☐ C. S
 - ☐ D. M

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

OZJ81, QWN78, STR75, ?

- Ans
- ☐ A. URW72
 - ☐ B. VRV73
 - ☒ C. UQV72
 - ☐ D. VQW73

Q.75 Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north. Only five people sit between D and F. G sits to the immediate left of F. Only one person sits between G and A. B sits at some place to the left of C but at some place to the right of E.

How many people sit to the right of A?

- Ans
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 3
 - ☐ D. 1

Q.76 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only one person sits between B and T when counted from the right of B. Only one person sits between T and R when counted from the left of R. Only one person sits between B and U when counted from the right of U. Only two people sit between C and R when counted from the left of R. Only one person sits between A and U when counted from the right of A. Who sits third to the right of S?

- Ans
- ☐ A. C
 - ☒ B. T
 - ☐ C. A
 - ☐ D. R

Q.77 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:

All necks are faces.

Some necks are arms.

Conclusions:

(I): All arms are necks.

(II): Some faces are arms.

- Ans
- ☐ A. Neither follows
 - ☒ B. Only II follows
 - ☐ C. Both follow
 - ☐ D. Only I follows

Q.78 What should come in place of the question mark (?) in the given series?

24 35 47 60 ? 89

- Ans
- ☒ A. 74
 - ☐ B. 66
 - ☐ C. 72
 - ☐ D. 70

Q.79 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 letter-cluster pair 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. RO-JJ
 ☒ B. YV-RO
 ☒ C. HE-AX
 ☒ D. EB-XU

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HCK 29, KHH 42, NME 55, QRB 68, ?

- Ans** ☒ A. SWX 83
 ☒ B. TXZ 81
 ☒ C. UVY 81
 ☒ D. TWY 81

Section : General Awareness and Current Affairs

Q.81 As of June 2025, who announced the decision to host Khelo India Northeast Games every year?

- Ans** ☒ A. Narendra Modi
 ☒ B. Gajendra Singh Shekhawat
 ☒ C. Mansukh Mandaviya
 ☒ D. Dharmendra Pradhan

Q.82 Which of the following teams set the 4x100m relay record at the National Relay Carnival 2025?

- Ans** ☒ A. Gurindervir Singh, Animesh Kujur, Manikanta Hoblidar and Amlan Borgohain
 ☒ B. Archana, Dhanalakshmi, Manikanta Hoblidar and Amlan Borgohain
 ☒ C. Archana, Dhanalakshmi, Hima, Dutee
 ☒ D. Anas, Jacob, Ajmal, Ramesh

Q.83 What was the purpose of Operation Brahma launched by India in March 2025?

- Ans** ☒ A. Military exercise
 ☒ B. Earthquake relief
 ☒ C. Tsunami relief
 ☒ D. War extradition

Q.84 As per the India Justice Report, 2025, (which presents a comprehensive assessment of the capacity and performance of Indian states in delivering justice) which of the following states ranked top among small states?

- Ans** ☒ A. Goa
 ☒ B. Nagaland
 ☒ C. Sikkim
 ☒ D. Manipur

Q.85 As per the announcement made in May 2025, India is set to conduct its first-ever biological experiments aboard the International Space Station (ISS) to study the sustainability of Human life in Space, as an important initiative under the ____.

- Ans**
- ☐ A. BioE5 Biotechnology policy
 - ☐ B. BioE9 Biotechnology policy
 - ☒ C. BioE3 Biotechnology policy
 - ☐ D. BioE7 Biotechnology policy

Q.86 According to the January 2025 draft rules of the Digital Personal Data Protection Rules (DPDP) Act, children under what age require parental consent to join social media platforms?

- Ans**
- ☐ A. 16 years
 - ☒ B. 18 years
 - ☐ C. 15 years
 - ☐ D. 20 years

Q.87 Which film featuring caste and police brutality themes was submitted as India's Oscar entry but banned domestically by the Central Board of Film Certification?

- Ans**
- ☐ A. Chhaava
 - ☒ B. Santosh
 - ☐ C. Dacoit
 - ☐ D. Bhool Chuk Maaf

Q.88 As notified in April 2025, how many new species of Sericinae scarab beetles from the biodiversity-rich regions of India were discovered by Zoological Survey of India in collaboration with Germany's Museum A. Koenig?

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

Q.89 Which year was declared as the 'Year of Reforms' by the Ministry of Defence of the Government of India?

- Ans**
- ☒ A. 2025
 - ☐ B. 2023
 - ☐ C. 2024
 - ☐ D. 2026

Q.90 As per the survey conducted by the Yale Program on Climate Change Communication and CVoter from 5 December 2024 to 18 February 2025, what percentage of Indians reported experiencing severe heatwaves in the past 12 months?

- Ans**
- ☐ A. 52%
 - ☐ B. 60%
 - ☐ C. 85%
 - ☒ D. 71%

Q.91 Which of the following countries hosted the 2025 ISSF World Cup in Rifle/Pistol shooting?

- Ans**
- A. Egypt
 - B. Peru
 - C. India
 - D. Germany

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.92 The September 2025 guidelines on Anganwadi-School co-location emphasise which key component of child development?

- Ans
- ☐ A. Vocational Training for Adolescents
 - ☐ B. Digital Literacy and Coding Skills
 - ☒ C. Early Childhood Care and Education
 - ☐ D. Universal Primary Health Coverage

Q.93 The National Conference on 'Environment – 2025', inaugurated by President Droupadi Murmu, was held in which city?

- Ans
- ☐ A. Hyderabad
 - ☒ B. New Delhi
 - ☐ C. Bengaluru
 - ☐ D. Mumbai

Q.94 Who did Praggnanandhaa defeat to reach the No.1 spot among Indian chess players?

- Ans
- ☒ A. Nodirbek Abdusattorov
 - ☐ B. Fabiano Caruana
 - ☐ C. D Gukesh
 - ☐ D. Hikaru Nakamura

Q.95 Which of the following bodies implemented the 'UPI for International Transactions' pilot in 2025?

- Ans
- ☐ A. Securities and Exchange Board of India (SEBI)
 - ☒ B. National Payments Corporation of India (NPCI)
 - ☐ C. Reserve Bank of India (RBI)
 - ☐ D. Central Board of Direct Taxes (CBDT)

Q.96 In June 2025, up to what loan amount did the Reserve Bank of India raise the Loan-to-Value (LTV) ratio on gold loans from 75% to 85%?

- Ans
- ☐ A. ₹5.5 lakhs
 - ☒ B. ₹2.5 lakhs
 - ☐ C. ₹4.5 lakhs
 - ☐ D. ₹3.5 lakhs

Q.97 In May 2025, iPhone maker Foxconn announced to invest how much amount in India?

- Ans
- ☐ A. US\$ 4.2 billion
 - ☐ B. US\$ 5.2 billion
 - ☐ C. US\$ 3.5 billion
 - ☒ D. US\$ 1.5 billion

Q.98 In May 2025, which organization released the Global Report on Food Crises, highlighting rising hunger due to conflict and climate extremes?

- Ans
- ☐ A. World Bank
 - ☐ B. UN Environment Programme
 - ☐ C. Food and Agriculture Organization
 - ☒ D. Global Network Against Food Crises

Q.99 The C40 World Mayors Summit of 3-5 November 2025 is scheduled for which city?

- Ans**
- ☐ A. Seoul, South Korea
 - ☐ B. New York, USA
 - ☒ C. Rio de Janeiro, Brazil
 - ☐ D. London, UK

Q.100 The Constitution (Scheduled Tribes) Order (Third Amendment) Bill, 2022, seeks to amend the Constitution (Scheduled Tribes) Order, 1950, with respect to its application to _____.

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Andhra Pradesh
 - ☐ C. Punjab
 - ☒ D. Himachal Pradesh



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Moula Ali
Test Date	04/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following options is **INCORRECT** regarding when rate of evaporation increases?

- Ans
- ☒ A. Increase in temperature
 - ☒ B. Increase in wind speed
 - ☒ C. Increase in surface area
 - ☒ D. Increase in humidity

Q.2 Which of the following situations involves an unbalanced force?

- Ans
- ☒ A. A ball rolling on the ground and eventually stopping
 - ☒ B. A book kept on a table
 - ☒ C. A person standing still on the ground
 - ☒ D. A car moving with uniform speed on a straight road

Q.3 Which type of meristematic tissue is responsible for increase in the height of plants?

- Ans
- ☒ A. Lateral meristem
 - ☒ B. Secondary meristem
 - ☒ C. Apical meristem
 - ☒ D. Cambium

Q.4 Which incident was responsible for the beginning of the Chipko Movement in the village of Reni?

- Ans
- ☒ A. Approval given to a contractor to fell trees near the village
 - ☒ B. Sale of forest by local residents
 - ☒ C. Government decision to use forest land for farming
 - ☒ D. Industrial development planned by villagers

Q.5 Which of the following statements is **NOT** true about average speed?

- Ans
- ☒ A. Speed is calculated as distance divided by time
 - ☒ B. To find speed, we need both the magnitude and direction of the object
 - ☒ C. Its SI unit is metres per second (m/s)
 - ☒ D. Average speed only needs the magnitude, not direction

Q.6 What is the role of the pollen tube in plant fertilisation?

- Ans**
- ☒ A. To transport the male germ cell to the female germ cell
 - ☐ B. To transport pollen grains to the stigma
 - ☐ C. To produce the male germ cell
 - ☐ D. To form the zygote

Q.7 Through which part of the female reproductive system does the egg travel from the ovary to the uterus?

- Ans**
- ☐ A. Vagina
 - ☐ B. Ureter
 - ☒ C. Fallopian tube
 - ☐ D. Cervix

Q.8 Which of the following best explains the term 'formula unit mass'?

- Ans**
- ☒ A. The total mass of all atoms in one formula unit of a compound
 - ☐ B. The mass of one mole of a substance
 - ☐ C. The mass of a single atom of an element
 - ☐ D. The mass of a single molecule of an element

Q.9 Which of the following movements is brought about by voluntary muscles?

- Ans**
- ☐ A. Movement in intestines
 - ☐ B. Movement of heart
 - ☐ C. Movement in the stomach walls
 - ☒ D. Movement of tongue

Q.10 A farmer wants to improve both the quantity and quality of honey produced on their farm. What practice should they adopt?

- Ans**
- ☐ A. Reduce the number of flowering plants
 - ☒ B. Ensure nectar-rich flowers bloom throughout the season
 - ☐ C. Keep the bees in shaded areas away from plants
 - ☐ D. Remove all wildflowers from the area

Q.11 Which of the following statement(s) is/are true about the pressure exerted by fluids?

(i) Fluids exert pressure on the base and walls of the container in which they are enclosed.

(ii) Pressure exerted in any confined mass of fluid is transmitted unequally in different directions.

- Ans**
- ☒ A. Only (i)
 - ☐ B. Neither (i) nor (ii)
 - ☐ C. Both (i) and (ii)
 - ☐ D. Only (ii)

Q.12 If a current-carrying conductor is placed in a magnetic field and the direction of current is reversed, the force on the conductor _____.

- Ans**
- ☐ A. becomes zero
 - ☐ B. doubles
 - ☐ C. remains the same
 - ☒ D. reverses direction

Q.13 Work done by a constant force is zero if:

- Ans**
- ☐ A. force is variable
 - ☒ B. displacement is zero or perpendicular to force
 - ☐ C. force is large
 - ☐ D. displacement is small

Q.14 Which of the chemical formulae represents bleaching powder?

- Ans**
- ☐ A. $\text{Ca}_2(\text{ClO})_2$
 - ☐ B. $\text{Ca}(\text{ClO}_2)$
 - ☒ C. $\text{Ca}(\text{ClO})_2$
 - ☐ D. $\text{Ca}(\text{ClO}_2)_2$

Q.15 The defect in which a person cannot see distant objects clearly but can see nearby objects is called _____.

- Ans**
- ☐ A. presbyopia
 - ☒ B. myopia
 - ☐ C. astigmatism
 - ☐ D. hypermetropia

Q.16 Which of the following cells has dendrite on one end?

- Ans**
- ☐ A. Platelet
 - ☐ B. Red blood cell
 - ☒ C. Neuron
 - ☐ D. Monocyte

Q.17 What are the two main properties of carbon that contribute to its 'versatile nature' and its ability to form a large number of compounds?

- Ans**
- ☐ A. High melting point and ductility
 - ☒ B. Catenation and tetravalency
 - ☐ C. Isomerism and allotropy
 - ☐ D. Good conductivity and sonorous nature

Q.18 Which of the following shows acidic behaviour in aqueous solution?

- Ans**
- ☒ A. HCl
 - ☐ B. KOH
 - ☐ C. $\text{Ca}(\text{OH})_2$
 - ☐ D. NaOH

Q.19 Select the group of organisms in which asexual reproduction occurs by fission.

- Ans**
- ☐ A. All seed plants
 - ☐ B. Flowering plants
 - ☒ C. Blue-green algae
 - ☐ D. All plants

Q.20 Which of the following is true regarding loudness of sound?

- Ans**
- ☒ A. Loudness depends on the amplitude.
 - ☐ B. Loudness depends on the speed of wave.
 - ☐ C. Loudness depends on the frequency.
 - ☐ D. Loudness depends on the wavelength.

Q.21 Which of the following statements is correct?

- Ans**
- ☐ A. Right-hand thumb rule cannot be applied to a straight conductor.
 - ☐ B. Right-hand thumb rule cannot be applied to circular loops.
 - ☒ C. Right-hand thumb rule gives the direction of magnetic field around a straight conductor.
 - ☐ D. Right-hand thumb rule can be used to find the force on a conductor in a magnetic field.

Q.22 Which of the following statements is correct about the 'Attraction of particles of matter'?

- Ans**
- ☐ A. The force of attraction is less in liquids as compared to gases.
 - ☒ B. The force of attraction is different for different particles.
 - ☐ C. The force of attraction is more in liquids as compared to solids.
 - ☐ D. The force of attraction is same for different particles.

Q.23 Which among the following is NOT a physical characteristic of ionic compounds?

- Ans**
- ☐ A. High boiling point
 - ☐ B. Conducts electricity in molten state
 - ☒ C. Insoluble in water
 - ☐ D. High melting point

Q.24 A convex lens has a focal length of 25 cm. What is the power of this convex lens?

- Ans**
- ☐ A. -2.0 D
 - ☐ B. -4.0 D
 - ☐ C. +3.0 D
 - ☒ D. +4.0 D

Q.25 The most common electrolyte to be used for electrolytic refining of copper would be the solution of acidified:

- Ans**
- ☐ A. copper carbonate
 - ☐ B. copper oxide
 - ☒ C. copper sulphate
 - ☐ D. copper chloride

Section : Mathematics

Q.26 What will come in place of 'A' in the following ratio?

$$\frac{180}{A} = \frac{11}{44}$$

- Ans**
- ☐ A. 722
 - ☐ B. 717
 - ☐ C. 723
 - ☒ D. 720

Q.27 A company sells an article at a price such that it earns a 25% profit on cost price? (correct to two decimal places)

- Ans**
- ☐ A. 32.33%
 - ☒ B. 33.33%
 - ☐ C. 30.33%
 - ☐ D. 35.33%

Q.28 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 83% and that of the TV decreases by 15%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

- Ans**
- ☐ A. Increase by 46%
 - ☒ B. Increase by 43.8%
 - ☐ C. Decrease by 42%
 - ☐ D. Decrease by 41%

Q.29 Which number should replace the question mark (?) in the following equation?
$$(57.6 \div 4.5 \times 1.5) = ? \times \frac{1}{5}$$

- Ans**
- ☐ A. 9.6
 - ☒ B. 96
 - ☐ C. 192
 - ☐ D. 19.2

Q.30 The marked price of a bookshelf is ₹415, which is 33% above the cost price. If the profit percentage is 13%, find the discount percentage (rounded off to two decimal places).

- Ans**
- ☒ A. 15.04%
 - ☐ B. 16.86%
 - ☐ C. 17.32%
 - ☐ D. 18.88%

Q.31 A water tank is initially one-tenth full. Pipe A can empty the tank in 6 minutes. After this, pipes A, B and C are opened together to fill the tank, where pipe B can fill it in 30 minutes and pipe C in 40 minutes. How long will it take to completely fill the tank?

- Ans**
- ☐ A. 25 minutes
 - ☐ B. 35 minutes
 - ☒ C. 24 minutes
 - ☐ D. 28 minutes

Q.32 If the height of a cylinder is 15 cm and its base area is $169\pi \text{ cm}^2$, then find its total surface area.

- Ans**
- ☐ A. 55,770 cm²
 - ☐ B. 1225 cm²
 - ☒ C. 2288 cm²
 - ☐ D. 5577 cm²

Q.33 Sheethal spends 60% of her monthly salary on household expenses. If the remaining amount after her spending is ₹33,200, what is her monthly salary?

- Ans**
- ☒ A. ₹83,000
 - ☐ B. ₹69,000
 - ☐ C. ₹78,000
 - ☐ D. ₹76,000

Q.34 The price of 3 pens is equal to the price of 5 pencils. The price of 5 pens and 3 pencils is ₹34. The price of 3 pen and 5 pencils is ₹____.

- Ans**
- ☐ A. 31
 - ☒ B. 30
 - ☐ C. 32
 - ☐ D. 35

Q.35 A and B working together can do a piece of work in 5 days. B alone can do the same work in 10 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☐ A. 10
 - ☒ B. 20
 - ☐ C. 21
 - ☐ D. 23

Q.36 If the listed price of a bag is 76% more than its cost price and a discount of 54% is announced on it, then find the loss percentage.

- Ans**
- ☐ A. 22.6%
 - ☐ B. 17.55%
 - ☒ C. 19.04%
 - ☐ D. 18.5%

Q.37 Which of the following numbers is divisible by 7, 11 and 13?

- Ans**
- ☐ A. 1546
 - ☐ B. 2121
 - ☒ C. 6006
 - ☐ D. 3026

Q.38 A ladder is leaning against a wall. The foot of the ladder is 1115.4705 cm away from the wall, and the ladder makes an angle of 60 degrees with the ground. Find the height of the wall it touches. (Round your answer to the nearest integer.)

- Ans**
- ☐ A. 1715 cm
 - ☐ B. 1550 cm
 - ☒ C. 1932 cm
 - ☐ D. 1220 cm

Q.39 The amount on a sum of ₹6,800 at the rate of 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹8,549
 - ☐ B. ₹9,040
 - ☒ C. ₹8,228
 - ☐ D. ₹7,703

Q.40 If the surface area of a sphere increases by 69%, what is the percentage increase in its volume?

- Ans**
- ☐ A. 90.3%
 - ☐ B. 138.6%
 - ☒ C. 119.7%
 - ☐ D. 103.5%

Q.41 Bhanu travels from City A to City B. If Bhanu drives his car at $\frac{1}{3}$ rd of

Find the time (in minutes) that Bhanu would have taken to travel from



Ans ☒ A. 20

☒ B. 29

☒ C. 25

☒ D. 32

Q.42 Simplify: $\frac{35x^3y^2z}{7xy^4} \div 25xy^{-2}z$

Ans ☒ A. $\frac{x}{5}$

☒ B. $\frac{x}{3}$

☒ C. $\frac{x}{7}$

☒ D. $\frac{x}{2}$

Q.43 The sum of the present ages of Ankita and her daughter Anushree is 50 years. Five years ago from now, Ankita was three times as old as Anushree. What is the present age (in years) of Anushree?

Ans ☒ A. 18

☒ B. 12

☒ C. 10

☒ D. 15

Q.44 What is the length of the altitude (in cm) to the side QR of a triangle PQR with side PQ = 25 cm, PR = 25 cm and QR = 40 cm?

Ans ☒ A. 18

☒ B. 27

☒ C. 24

☒ D. 15

Q.45 If 30% of 50% of $\frac{2}{3}$ of a number is 325, find the number.

Ans ☒ A. 5230

☒ B. 2590

☒ C. 3250

☒ D. 5330

Q.46 Prakhar and Riya together invested ₹56,700 in a business. At the end of the year, out of a total profit of ₹5,400, Prakhar's share was ₹1,400. What was Prakhar's investment?

Ans ☒ A. ₹14,900

☒ B. ₹16,200

☒ C. ₹14,700

☒ D. ₹14,300

Q.47 A train passes two tunnels of length 2492 m and 1914 m in 81 seconds and 64 seconds, respectively. What is the length of the train (in m)?

- Ans
- ☐ A. 254 m
 - ☐ B. 252 m
 - ☐ C. 267 m
 - ☒ D. 262 m

Q.48 The sum of the modes of the data sets {1, 7, 3, 7, 3, x} and {4, 8, 9, 8, 4, y} is 11. If $x > y$, then find the possible correct relation between x and y.

- Ans
- ☐ A. $x - y = 5$
 - ☐ B. $x + y = 9$
 - ☒ C. $x - y = 3$
 - ☐ D. $x + y = 10$

Q.49 If a gymnastic coach has 14 gymnasts, their heights are as follows (in cm):
172, 173, 164, 178, 168, 169, 173, 172, 173, 164, 178, 168, 169, 173

The mode of this data (in cm) is:

- Ans
- ☐ A. 163
 - ☐ B. 178
 - ☐ C. 172
 - ☒ D. 173

Q.50 Simplify $\frac{(x^2 + 10x + 25)}{x + 5} - 5$.

- Ans
- ☒ A. x
 - ☐ B. 0
 - ☐ C. 10
 - ☐ D. 5

Section : General Intelligence and Reasoning

Q.51 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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:

Some Llamas are Sheep.

All Sheep are Mules.

No Mules are Pigeons.

Conclusion:

(I) Some Llamas are Mules.

(II) No Sheep are Pigeons.

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

Q.52 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 4 6 4 6 1 9 6 7 2 2 2 2 1 5 5 1 6 6 7 2 5 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. None
 - ☒ D. Two

Q.53 What should come in place of the question mark (?) in the given series?

105 87 69 51 33 ?

- Ans**
- ☒ A. 27
 - ☒ B. 15
 - ☒ C. 13
 - ☒ D. 21

Q.54 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$88 \times 8 \div 9 - 2 + 17 = ?$

- Ans**
- ☒ A. 21
 - ☒ B. 26
 - ☒ C. 12
 - ☒ D. 15

Q.55 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 © % © 7 # 5 % 5 4 2 # © 5 6 2 © \$ € 1 € 8 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 4
 - ☒ D. 3

Q.56 Seven people B, C, D, I, J, K and L are sitting around a circular table facing the centre of the table. K sits third to the left of L. I sits to the immediate left of L. D sits to the immediate left of J. J sits second to the left of C. Who sits third to the right of B?

- Ans**
- ☒ A. C
 - ☒ B. D
 - ☒ C. K
 - ☒ D. J

Q.57 Adit starts from Point A and drives 11 km towards the North. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left 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 degrees turns only unless specified.)

- Ans**
- ☐ A. 8 km to the west
 - ☐ B. 7 km to the east
 - ☐ C. 8 km to the east
 - ☒ D. 7 km to the west

Q.58 BFHC is related to IMOJ in a certain way based on the English alphabetical order. In the same way, DHJE is related to KOQL. To which of the given options is FJLG related, following the same logic?

- Ans**
- ☐ A. MQNS
 - ☒ B. MQSN
 - ☐ C. QMNS
 - ☐ D. QMSN

Q.59 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

14, 2
119, 17

- Ans**
- ☐ A. 221, 32
 - ☐ B. 147, 22
 - ☒ C. 105, 15
 - ☐ D. 294, 43

Q.60 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
LDS MET NFU OGV ?

- Ans**
- ☐ A. RHW
 - ☐ B. PIX
 - ☒ C. PHW
 - ☐ D. QIW

Q.61 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order.
G is kept immediately above B. D is kept immediately above F. Only E is kept above A. Only two boxes are kept above G. D is not kept at third position from the bottom. How many boxes are kept above D?

- Ans**
- ☒ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 2

Q.62 What should come in place of the question mark (?) in the given series to make it logically complete?

5 9 17 29 45 65 ?

- Ans**
- ☐ A. 70
 - ☒ B. 89
 - ☐ C. 80
 - ☐ D. 85

Q.63 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 dolls are pencils.

Some fingers are pencils.

Conclusions:

(I): All fingers are dolls.

(II): Some dolls are fingers.

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

Q.64 In a certain code language, 'we cook dinner' is coded as 'hn sh ai' and 'dinner is tasty' is coded as 'la tf sh'. How is 'dinner' coded in that language?

- Ans**
- ☐ A. tf
 - ☐ B. hn
 - ☒ C. sh
 - ☐ D. la

Q.65 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KTV 12, IRT 24, GPR 36, ENP 48, ?

- Ans**
- ☐ A. DJN 64
 - ☒ B. CLN 60
 - ☐ C. DJN 60
 - ☐ D. CLM 64

Q.66 DHKT is related to ZAGM in a certain way based on the English alphabetical order. In the same way, NFUR is related to JYQK. To which of the given options is BKIW related, following the same logic?

- Ans**
- ☐ A. XDEO
 - ☐ B. SCDE
 - ☒ C. XDEP
 - ☐ D. XBG T

Q.67 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$187 - 4 \div 117 + 325 \times 5 = ?$$

- Ans**
- ☒ A. 810
 - ☒ B. 875
 - ☒ C. 805
 - ☒ D. 800

Q.68 Seven boxes B, D, E, P, S, T and W are kept one over the other but not necessarily in the same order.

Only S is kept above P. Only two boxes are kept between P and D. Only E is kept below B. T is not kept immediately above D.

How many boxes are kept between W and E?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. One

Q.69 Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 3 5 2 9 7 2 8 7 2 1 8 7 4 5 5 2 3 5 5 6 9 6 3 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. One

Q.70 A, B, C, D, W, X and Y are sitting in a straight line facing north. Only two people sit to the left of C. Only three people sit between C and W. Only one person sits between W and X. D sits to the immediate left of A. Y is not an immediate neighbour of W. How many people sit to the right of B?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Two

Q.71 A, B, C, D, E, F and G are sitting around a circular table facing the centre. E sits to the immediate right of D. G sits second to the left of E. B sits third to the right of E. A is the immediate neighbour of C and B. How many people sit between F and C when counted from the left of F?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.72 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. FHA
 - ☐ B. PRK
 - ☐ C. SUN
 - ☒ D. KME

Q.73 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B', and
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D - F x G + H ÷ J'?

- Ans
- ☐ A. Wife's brother
 - ☐ B. Wife's father
 - ☐ C. Brother's wife's father
 - ☒ D. Brother's wife's brother

Q.74 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. QRP
 - ☐ B. WXV
 - ☒ C. PRO
 - ☐ D. OPN

Q.75 What should come in place of the question mark (?) in the given series?

835 836 839 844 851 ?

- Ans
- ☐ A. 861
 - ☐ B. 858
 - ☐ C. 859
 - ☒ D. 860

Q.76 Mr. Akai starts from Point A and drives 15 km towards south. He then takes a right turn, drives 18 km, turns right and drives 25 km. He then takes a right turn and drives 16 km, turns right drives 5 km. He then takes a left turn drives 6 km. He takes a final right turn, drives 5 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 degrees turns only unless specified)

- Ans
- ☐ A. 4 km to the south
 - ☐ B. 4 km to the east
 - ☒ C. 4 km to the west
 - ☐ D. 8 km to the east

Q.77 In a certain code language, 'travel is exciting' is coded as 'ab op kj' and 'exciting and enjoyable' is coded as 'lm ab vv'. How is 'exciting' coded in the given language?

- Ans**
- ☐ A. vv
 - ☐ B. op
 - ☐ C. lm
 - ☒ D. ab

Q.78 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5147934, what will be the sum of the digits which are third from the left and second from the right?

- Ans**
- ☒ A. 8
 - ☐ B. 7
 - ☐ C. 11
 - ☐ D. 9

Q.79 EHLQ is related to GKNT in a certain way based on the English alphabetical order. In the same way, MTTC is related to OWVF. To which of the given options is SCZL related, following the same logic?

- Ans**
- ☒ A. UFBO
 - ☐ B. UBNJ
 - ☐ C. UFOM
 - ☐ D. UFBP

Q.80 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 8 5 8 8 9 8 6 2 6 1 4 4 7 9 9 4 8 1 7 5 6 8 6 5 6 9 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 4
 - ☐ B. 3
 - ☐ C. 1
 - ☒ D. 2

Section : General Awareness and Current Affairs

Q.81 The 18th edition of the Battalion Level Joint Military Exercise Surya Kiran was held in December 2024 between India and _____.

- Ans**
- ☐ A. Sweden
 - ☐ B. Japan
 - ☒ C. Nepal
 - ☐ D. Egypt

Q.82 In July 2025, which institute launched Gyanodaya for pedagogical innovation?

- Ans**
- ☐ A. NIT Rourkela
 - ☐ B. IISc Bangalore
 - ☒ C. IIM Kozhikode
 - ☐ D. IT Delhi

Q.83 In news in 2025, what is the main function of the 'Sachet' app?

- Ans**
- ☒ A. Real-time disaster alerts
 - ☐ B. Social networking
 - ☐ C. Online shopping
 - ☐ D. Educational tutorials

Q.84 Who from Pakistan was recognised as Best Asian Athlete in May 2025?

- Ans**
- ☐ A. Mohammad Abbas
 - ☐ B. Babar Azam
 - ☐ C. Sana Mir
 - ☒ D. Arshad Nadeem

Q.85 Which 2025 novel by Colum McCann follows a journalist on a submarine cable-laying ship?

- Ans**
- ☐ A. Under the Eye of the Big Bird
 - ☒ B. Twist
 - ☐ C. Silver Elite
 - ☐ D. Wild Dark Shore

Q.86 Who started a cleanliness drive ahead of the national urban local bodies' conference in Manesar?

- Ans**
- ☒ A. Manesar Municipal Corporation
 - ☐ B. Chief Minister of Haryana
 - ☐ C. National Urban Forum
 - ☐ D. Delhi Police

Q.87 Which of the following athletes was NOT part of the Indian 4×100 m relay team that set a new national record at the National Relay Carnival, 2025?

- Ans**
- ☒ A. Neeraj Chopra
 - ☐ B. Manikanta Hoblidar
 - ☐ C. Animesh Kujur
 - ☐ D. Amlan Borgohain

Q.88 What is the surplus amount transferred by the Reserve Bank of India (RBI) to the Centre for FY25?

- Ans**
- ☐ A. ₹3.00 lakh crore
 - ☐ B. ₹2.00 lakh crore
 - ☒ C. ₹2.69 lakh crore
 - ☐ D. ₹1.69 lakh crore

Q.89 What amount has been allocated to the Khelo India Programme in the FY 2025-26 Budget?

- Ans**
- ☐ A. ₹500 crore
 - ☐ B. ₹750 crore
 - ☐ C. ₹1,500 crore
 - ☒ D. ₹1,000 crore

Q.90 What is the name of the new antibiotic developed to combat AMR (Antimicrobial Resistance) in India in December 2024?

- Ans**
- ☐ A. Amoxicillin
 - ☐ B. Cefixime
 - ☐ C. Azithromycin
 - ☒ D. Nafithromycin

Q.91 In 2025, which new category was added by the Central Pollution Control Board to classify essential environmental services?

- Ans** ☒ A. Blue
☐ B. Pink
☐ C. Black
☐ D. Purple

Q.92 From which assembly constituency did Arvind Kejriwal contest in the General Election to the Assembly Constituencies of the National Capital Territory (NCT) of Delhi in 2025?

- Ans** ☐ A. Kondli
☒ B. New Delhi
☐ C. Moti Nagar
☐ D. Mundka

Q.93 In July 2025, which initiative was launched to promote workplace wellness for women in India?

- Ans** ☒ A. Mahila Aarogyam Kaksh
☐ B. Janani Suraksha Yojan
☐ C. Ayushman Bharat
☐ D. Swasthya Mahila

Q.94 In which city did the Union Home Minister launch the pilot project of the e-Zero FIR initiative in May 2025, under the Indian Cyber Crime Coordination Centre (I4C) to improve the efficiency of investigating cyber financial frauds, supporting the vision of a Cyber Secure Bharat?

- Ans** ☐ A. Lucknow
☐ B. Kolkata
☐ C. Mumbai
☒ D. Delhi

Q.95 As notified in June 2025, which of the following insurance companies launched India's first car insurance with built-in crash detection, auto claims trigger?

- Ans** ☐ A. Shriram Life Insurance
☐ B. Kotak Mahindra Insurance
☒ C. Zuno General Insurance
☐ D. Future Generali Life Insurance

Q.96 What was the name of the chemical factory where the blast happened on 30 June 2025 in Telangana state?

- Ans** ☐ A. Deccan Industries
☐ B. Andhra Petrochemicals
☐ C. Bharat Chemicals
☒ D. Sigachi Chemicals

Q.97 At which edition of the Cannes Film Festival did Boman Irani make his red carpet debut?

- Ans** ☐ A. 75th
☐ B. 76th
☒ C. 78th
☐ D. 77th

Q.98 Which of the following two countries exchanged prisoners of war in Istanbul in June 2025?

- Ans**
- ☐ A. Liberia and Sierra Leone
 - ☐ B. India and Pakistan
 - ☒ C. Russia and Ukraine
 - ☐ D. Israel and Iran

Q.99 What is the name of (India) Bharat's First Anti-Pesticide Bodysuit?

- Ans**
- ☐ A. Kisan Bodysuit
 - ☐ B. India Kavach
 - ☒ C. Kisan Kavach
 - ☐ D. Farmer Bodysuit

Q.100 Who holds the No.1 world chess ranking as of June 2025?

- Ans**
- ☐ A. D Gukesh
 - ☐ B. Fabiano Caruana
 - ☒ C. Magnus Carlsen
 - ☐ D. R Praggnanandhaa



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Old Alwal
Test Date	04/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which type of muscle is found in the walls of internal organs like the stomach and intestines?

- Ans ☒ A. Smooth muscle
☐ B. Voluntary muscle
☐ C. Striated muscle
☐ D. Skeletal muscle

Q.2 200 J of heat is produced per second in an $8\ \Omega$ resistance. What is the potential difference across the resistor?

- Ans ☒ A. 40 V
☐ B. 50 V
☐ C. 30 V
☐ D. 20 V

Q.3 Which of the following phenomena is NOT a physical change?

- Ans ☐ A. Melting of ice
☐ B. Freezing of water
☐ C. Boiling of water
☒ D. Burning of candle

Q.4 In a domestic electric circuit, the main purpose of a FUSE is ____.

- Ans ☐ A. To store electricity
☐ B. To reduce voltage
☒ C. To prevent overloading and protect appliances
☐ D. To increase current

Q.5 Butane (C_4H_{10}) exists in two different forms: one with a straight chain and one with a branched chain. What is this phenomenon called?

- Ans ☐ A. Catenation
☒ B. Isomerism
☐ C. Polymerisation
☐ D. Sublimation

Q.6 A high-pitch and a low-pitch sound have _____, respectively.

- Ans**
- ☐ A. high amplitude and low frequency
 - ☐ B. low amplitude and high frequency
 - ☐ C. low frequency and high frequency
 - ☒ D. high frequency and low frequency

Q.7 Which of the following is responsible for the basic nature of a substance?

- Ans**
- ☐ A. Na^+
 - ☐ B. H^+
 - ☐ C. Cl^-
 - ☒ D. OH^-

Q.8 Which of the following is NOT a method of reproduction by a solitary individual organism?

- Ans**
- ☐ A. Fission
 - ☐ B. Fragmentation
 - ☒ C. Sexual reproduction
 - ☐ D. Regeneration

Q.9 Which of the following statements is correct for life processes in plants?

- Ans**
- ☐ A. The environmental sources of energy are uniform.
 - ☐ B. Environment is under the control of very few plants.
 - ☒ C. Environment is not under the control of plants.
 - ☐ D. Environment is under the control of most plants.

Q.10 Which of the following factors is NOT responsible for corrosion?

- Ans**
- ☒ A. Alloying
 - ☐ B. Water
 - ☐ C. Air
 - ☐ D. Acid

Q.11 Which of the following are cultivated for the pearls they make?

- Ans**
- ☐ A. Sardines
 - ☐ B. Pomfrets
 - ☐ C. Prawns
 - ☒ D. Oysters

Q.12 Which of the following salts will form a solution with pH greater than 7 when dissolved in water?

- Ans**
- ☒ A. Sodium acetate
 - ☐ B. Ammonium chloride
 - ☐ C. Copper sulphate
 - ☐ D. Sodium chloride

Q.13 In graphite, each carbon atom is bonded to three other carbon atoms in the same plane giving a _____ array.

- Ans**
- ☐ A. square pyramidal
 - ☐ B. tetragonal
 - ☐ C. pentagonal
 - ☒ D. hexagonal

Q.14 What is the chemical formula of magnesium chloride?

- Ans**
- ☒ A. MgCl_2
 - ☐ B. MgCl_3
 - ☐ C. Mg_2Cl
 - ☐ D. MgCl

Q.15 Which of the following statement(s) is true when a straw appears bent when placed in a glass of water?

Statement 1: The incident ray, refracted ray, and normal lie in the same plane.
Statement 2: The ratio of sine of angle of incidence to sine of angle of refraction is constant.

- Ans**
- ☐ A. Only statement 1
 - ☐ B. Neither statement 1 nor 2
 - ☒ C. Both statement 1 and 2
 - ☐ D. Only statement 2

Q.16 Which of the following is a primary advantage of constructing a big dam?

- Ans**
- ☒ A. Generation of hydroelectric power
 - ☐ B. Immediate increase in local biodiversity
 - ☐ C. Decentralised energy production
 - ☐ D. Prevention of all downstream flooding

Q.17 Which of the following statements is true for a velocity-time graph of uniform velocity?

- Ans**
- ☐ A. The graph is a curve
 - ☐ B. Area under curve = speed, not displacement
 - ☐ C. Slope = Acceleration $\neq 0$
 - ☒ D. Slope = Acceleration = 0

Q.18 If a person does an amount of work W in time t , how is power calculated?

- Ans**
- ☒ A. Power = work $\div$ time
 - ☐ B. Power = work + time
 - ☐ C. Power = time $\div$ work
 - ☐ D. Power = work $\times$ time

Q.19 Why are the testes positioned externally rather than inside the abdominal cavity?

- Ans**
- ☐ A. To form a common passage for urine and sperms
 - ☒ B. To maintain a lower temperature for sperm formation
 - ☐ C. To regulate testosterone production
 - ☐ D. To facilitate sperm transport

Q.20 What is a key feature of Rutherford's atomic model?

- Ans**
- ☒ A. Atom has a dense positive nucleus at the center.
 - ☐ B. Electrons are fixed in shells around the nucleus.
 - ☐ C. Atom is a uniform positive sphere throughout.
 - ☐ D. Nucleus contains only electrons with negative charge.

Q.21 Bone is classified as connective tissue primarily because it:

- Ans**
- ☐ A. Transports oxygen
 - ☒ B. Contains cells dispersed in a mineralised extracellular matrix
 - ☐ C. Produces nerve impulses
 - ☐ D. Lacks any matrix substance

Q.22 A person wearing shoes with total area 0.02 m^2 stands on the ground. If the person's weight is 600 N , the pressure on the ground is _____.

- Ans**
- ☐ A. 1200 N/m^2
 - ☒ B. $30,000 \text{ N/m}^2$
 - ☐ C. $12,000 \text{ N/m}^2$
 - ☐ D. 600 N/m^2

Q.23 Which of the following functions is NOT performed by the placenta?

- Ans**
- ☐ A. Removes carbon dioxide and waste from fetal blood
 - ☐ B. Allows oxygen and nutrients to pass from mother to fetus
 - ☒ C. Secretes oxytocin to start childbirth
 - ☐ D. Produces hormones to support pregnancy

Q.24 A coin is placed on a card covering a glass. When the card is flicked quickly with a finger, the coin falls straight into the glass. What does this situation show?

- Ans**
- ☐ A. The coin moves because the card pushes it
 - ☐ B. The flick applies a force directly to the coin
 - ☐ C. The coin and card both move away due to inertia
 - ☒ D. The coin remains at rest due to inertia when the card moves away

Q.25 According to the sign convention, the height of an erect image formed by a mirror is taken as:

- Ans**
- ☐ A. Imaginary
 - ☐ B. Negative
 - ☐ C. Zero
 - ☒ D. Positive

Section : Mathematics

Q.26 If $5x + 2 = 62$, then find the value of x .

- Ans**
- ☐ A. 20
 - ☐ B. 15
 - ☒ C. 12
 - ☐ D. 10

Q.27 One pipe can fill a tank in 7 minutes while another pipe can empty the completely filled tank in 56 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans**
- ☐ A. 6
 - ☒ B. 2
 - ☐ C. 8
 - ☐ D. 4

Q.28 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 32.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is $6 : 7$, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 9°
 - ☐ B. 4°
 - ☒ C. 5°
 - ☐ D. 1°

Q.29 If a 8,763 m long train crosses a pole in 127 seconds, then find the time (in seconds) taken by the train to cross a 552 m long platform.

- Ans** ☒ A. 135
☐ B. 132
☐ C. 145
☐ D. 144

Q.30 If $9^k + 3^{(2k-1)} = \frac{2}{3} \left[5^{\left(k+\frac{1}{2}\right)} + 5^{\left(k-\frac{1}{2}\right)} \right]$, then k is equal to:

- Ans** ☐ A. 1
☒ B. $\frac{1}{2}$
☐ C. $\frac{5}{2}$
☐ D. $\frac{3}{2}$

Q.31 The marked price of a wardrobe is ₹821, which is 39% above the cost price. If the profit percent is 2%, find the discount percentage (rounded off to two decimal places).

- Ans** ☒ A. 26.62%
☐ B. 26%
☐ C. 23.62%
☐ D. 28.03%

Q.32 In an election, Candidate A secured 60% of the total valid votes, while Candidate B received the rest. If the total number of valid votes was 18,600, find the difference between the number of votes the two candidates received.

- Ans** ☐ A. 2,750
☒ B. 3,720
☐ C. 2,520
☐ D. 3,550

Q.33 Provisions meant for 100 men for 12 weeks are shared when 50 more men join them. For how many weeks will the provisions now last?

- Ans** ☐ A. 12
☒ B. 8
☐ C. 10
☐ D. 6

Q.34 The difference in the measures of two complementary angles is 22° . Find the measure of the bigger angle.

- Ans** ☐ A. 52°
☐ B. 65°
☒ C. 56°
☐ D. 50°

Q.35 Prakhar and Riya together invested ₹10,500 in a business. At the end of the year, out of a total profit of ₹9,000, Prakhar's share was ₹1,200. How much was Prakhar's investment?

- Ans** ☐ A. ₹2,780
☐ B. ₹1,645
☐ C. ₹1,635
☒ D. ₹1,400

Q.36 A car's speed decreases by 20% every hour. If it covers a certain distance in 4 hours, how much time would it take to cover the same distance at its original speed?

- Ans**
- ☐ A. 2.942 hours
 - ☐ B. 3.952 hours
 - ☐ C. 3.942 hours
 - ☒ D. 2.952 hours

Q.37 After selling an article at a discount of 50%, the profit percentage obtained is 30%. What is the mark-up percentage?

- Ans**
- ☐ A. 166%
 - ☒ B. 160%
 - ☐ C. 158%
 - ☐ D. 162%

Q.38 A spherical chocolate truffle with radius 6 cm has a spherical hollow cavity at its centre. If the volume of chocolate used is exactly $800\pi/3$ cm³, what is the radius of the hollow cavity (rounded off to two decimal places)?

- Ans**
- ☐ A. 2.26 cm
 - ☒ B. 2.52 cm
 - ☐ C. 2.18 cm
 - ☐ D. 2.44 cm

Q.39 The area of a rectangular field is 176 m² and the length of its diagonal is 18 m. Find the perimeter of this field.

- Ans**
- ☐ A. 60 m
 - ☐ B. 48 m
 - ☐ C. 61 m
 - ☒ D. 52 m

Q.40 $\frac{1}{20}$ is what percentage of $\frac{10}{80}$?

- Ans**
- ☐ A. 50%
 - ☐ B. 55%
 - ☐ C. 80%
 - ☒ D. 40%

Q.41 If 20% of a number is added to 72, then the result is the same number. 75% of the same number is:

- Ans**
- ☒ A. 67.5
 - ☐ B. 97.5
 - ☐ C. 87.5
 - ☐ D. 77.5

Q.42 From a point P on a level ground, the angle of elevation of the top tower is 30°. If the tower is 100 m high, find the distance of point P from the foot of the tower.
(Take $\sqrt{3} = 1.73$)

- Ans**
- ☐ A. 175 m
 - ☐ B. 170 m
 - ☐ C. 178 m
 - ☒ D. 173 m

Q.43 Eighteen men can dig a well 65 feet deep in 4 days. How many men can dig a well 130 feet deep in 6 days?

- Ans ☒ A. 24
☐ B. 26
☐ C. 22
☐ D. 27

Q.44 The amount on a sum of ₹5,700 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☐ A. ₹7,505
☒ B. ₹6,897
☐ C. ₹7,798
☐ D. ₹6,629

Q.45 If the median of the given data is $143 + X$, find X (round off to two decimal places).

Height in cm	No. of boys
Below 140	4
140 - 145	7
145 - 150	18
150 - 155	11
155 - 160	6
160 - 700	5

- Ans ☒ A. 6.03
☐ B. 8.15
☐ C. 9.23
☐ D. 7.05

Q.46 The number of prime numbers lying between 386 and 395 is:

- Ans ☐ A. 2
☒ B. 1
☐ C. 3
☐ D. 0

Q.47 The father is currently three times that of his son's age. Ten years ago from now, the father's age was five times the son's age. What will be the sum of their ages ten years from now?

- Ans ☐ A. 80 years
☐ B. 90 years
☐ C. 120 years
☒ D. 100 years

Q.48 The arithmetic mean of the observations 16, 85, 98, 12, 69, 95, 21, 45 and 54 is:

- Ans ☒ A. 55
☐ B. 62
☐ C. 48
☐ D. 63

Q.49 Given that R is the third proportional of 9 and Q . If Q is the sum of first three odd natural numbers, then find the value of R .

- Ans ☒ A. 9
☐ B. 7
☐ C. 11
☐ D. 10

Q.50 On selling an item for ₹120, a shopkeeper earns $x\%$ profit. If it is sold for ₹20 more than the earlier price, the percentage of profit would be $2x\%$. The value of x is ____.

- Ans** ☒ A. 20
☐ B. 30
☐ C. 40
☐ D. 15

Section : General Intelligence and Reasoning

Q.51 This question is based on the five, three-digit numbers given below.

(Left) 426 125 357 489 627 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

- Ans** ☒ A. Two
☐ B. Four
☐ C. One
☐ D. Three

Q.52 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YCE–FJL
LPR–SWY

- Ans** ☐ A. TXZ–ZEF
☐ B. TWX–ZDF
☐ C. TWX–AEG
☒ D. TXZ–AEG

Q.53 Vinay starts from Point A and drives 10 km towards the south. He then takes a right turn, drives 4 km, turns right and drives 14 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 4 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 degrees turns only, unless specified.)

- Ans** ☐ A. 3 km to the west
☒ B. 4 km to the west
☐ C. 3 km to the east
☐ D. 4 km to the east

Q.54 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ A. OL-HM
☐ B. RO-KP
☐ C. LI-EJ
☒ D. IF-BH

Q.55 Refer to the following series and answer the question (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 4 6 7 3 8 5 3 2 1 5 9 6 6 6 6 8 7 1 6 6 3 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. More than three
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Two

Q.56 In a certain code language,
'A + B' means 'A is the father of B'
'A - B' means 'A is the mother of B'
'A × B' means 'A is the sister of B'
'A ÷ B' means 'A is the wife of B'
Based on the above, how is L related to P if 'L ÷ M + N - O × P'?

- Ans**
- ☒ A. Father's sister
 - ☒ B. Mother's mother
 - ☒ C. Mother's sister
 - ☒ D. Father's mother

Q.57 What should come in place of the question mark (?) in the given series?

821 823 827 833 841 ?

- Ans**
- ☒ A. 853
 - ☒ B. 856
 - ☒ C. 848
 - ☒ D. 851

Q.58 What should come in place of the question mark (?) in the given series?

304 313 320 325 ? 329

- Ans**
- ☒ A. 327
 - ☒ B. 326
 - ☒ C. 325
 - ☒ D. 328

Q.59 A, B, C, D, W, X and Y are sitting in a straight line, facing the north.
Only two people sit to the left of C. Only three people sit between C and W. Only one person sits between W and X. D sits to the immediate left of A. Y is not an immediate neighbour of W.
How many people sit to the right of B?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Four

Q.60 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)

(Left) % & € 5 % 3 7 @ % % % 1 * % 2 7 5 @ 6 7 1 1 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ A. 4
 - ☒ B. 3
 - ☒ C. 2
 - ☒ D. 1

Q.61 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. DJF
 - ☒ B. MSO
 - ☒ C. BHE
 - ☒ D. PVR

Q.62 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 21, 15)
(47, 2197, 12)

- Ans**
- ☒ A. (26, 663, 12)
 - ☒ B. (34, 1130, 25)
 - ☒ C. (30, 887, 13)
 - ☒ D. (35, 1215, 9)

Q.63 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:

No dolls are rings.
No rings are lamps.

Conclusions:

(I) All dolls are lamps.
(II) No lamps are dolls.

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

Q.64 If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$20 - 6 \div 4 + 60 \times 15 = ?$$

- Ans**
- ☒ A. 126
 - ☒ B. 120
 - ☒ C. 123
 - ☒ D. 118

Q.65 In a certain code language, 'FOUR' is coded as '5812' and 'ROUT' is coded as '5628'. What is the code for 'T' in the given code language?

- Ans**
- ☒ A. 8
 - ☒ B. 6
 - ☒ C. 5
 - ☒ D. 2

Q.66 In a certain code language, 'star city lemon' is coded as 'fq vn ln' and 'zip lid star' is coded as 'vn iu km'. How is 'star' coded in the given language?

- Ans**
- ☒ A. vn
 - ☒ B. iu
 - ☒ C. ln
 - ☒ D. fq

Q.67 What should come in place of the question mark (?) in the given series?

11, 23, 47, 83, 131, ?

- Ans**
- ☒ A. 191
 - ☒ B. 190
 - ☒ C. 193
 - ☒ D. 192

Q.68 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.
(Left) 7 2 7 5 9 6 4 6 6 6 5 6 9 6 1 1 2 2 7 5 3 (Right)
How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans**
- ☒ A. 2
 - ☒ B. 1
 - ☒ C. 4
 - ☒ D. 3

Q.69 Seven boxes, M, N, O, P, Q, R, and S, are kept one over the other but not necessarily in the same order. Only P is kept above O. Only Q is kept between O and R. Only N is kept below S.
How many boxes are kept between M and N?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.70 Saksham starts from point A and drives 71 km towards east. He then takes a left turn, drives 48 km, turns left and drives 81 km. He then takes a left turn and drives 89 km. He takes a final left turn, drives 10 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 40 km to the north
 - ☐ B. 44 km to the north
 - ☐ C. 42 km to the south
 - ☒ D. 41 km to the north

Q.71 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 kites are balloons.

No balloon is a plane.

Conclusions:

(I): Some kites are planes.

(II): Some balloons are kites.

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

Q.72 MR 8 is related to RU -10 in a certain way. In the same way, IB 12 is related to NE -6. To which of the given options is US 1 related, following the same logic?

- Ans**
- ☐ A. BH -12
 - ☐ B. MJ -19
 - ☒ C. ZV -17
 - ☐ D. HU -11

Q.73 Sahana ranked 4th from the top and 18th from the bottom in her class. How many students are there in the class?

- Ans**
- ☐ A. 23
 - ☐ B. 25
 - ☒ C. 21
 - ☐ D. 16

Q.74 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 - 33 \times 44 \div 24 + 39 = ?$$

- Ans**
- ☒ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 6

Q.75 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only two people sit between D and A when counted from the left of A. C sits third to the left of G. E sits to the immediate right of G. E sits second to the left of D. F is an immediate neighbour of C. How many people sit between B and G when counted from the left of G?

- Ans**
- ☐ A. 2
 - ☐ B. 3
 - ☐ C. 1
 - ☒ D. 4

Q.76 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

ACNE - CANE - ENCA
INCH - NICH - HCNI

- Ans**
- ☒ A. LADY - ALDY - YDAL
 - ☐ B. RAKE - ARKE - AKER
 - ☐ C. GIRL - IGRL - LIRG
 - ☐ D. QUAD - QAUD - DAUQ

Q.77 A, B, C, D, W, X and Y are sitting in a straight line, facing the north. Only three people sit between W and Y. A sits to the immediate left of Y. No one sits to the right of B. Only two people sit between B and A. X sits to the immediate right of D. How many people sit between C and X?

- Ans**
- ☐ A. Four
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. One

Q.78 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
SGN 5 RFM 7 QEL 9 PDK 11 ?

- Ans**
- ☐ A. OEL 13
 - ☐ B. QEL 12
 - ☐ C. RCJ 12
 - ☒ D. OCJ 13

Q.79 Each of the digits in the number 54761829 is arranged in descending order from left to right. What will the product of the digits that are third from the left and second from the right in the new number thus formed be?

- Ans**
- ☐ A. 18
 - ☐ B. 28
 - ☐ C. 16
 - ☒ D. 14

Q.80 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
VMQ TKO RIM PGK ?

- Ans**
- ☐ A. NEJ
 - ☐ B. NFI
 - ☒ C. NEI
 - ☐ D. NFJ

Q.81 Who among the following was appointed as the Chairman of the Insurance Regulatory and Development Authority of India (IRDAI) in July 2025?

- Ans**
- ☐ A. B. V. R. Subramaniam
 - ☐ B. Amitabh Kant
 - ☒ C. Ajay Seth
 - ☐ D. Suman Bery

Q.82 Which of the following banks paid a record ₹8,076.84 crore dividend to the Government of India for FY25 in June 2025?

- Ans**
- ☐ A. Bank of Baroda
 - ☐ B. Indian Bank
 - ☐ C. Bank of India
 - ☒ D. State Bank of India

Q.83 Which of the following is the unified inundation forecasting system launched by the Ministry of Jal Shakti in July 2025 that provides two-days advance inundation forecasts up to village level in the form of flood-inundation maps and water-level predictions?

- Ans**
- ☐ A. Village Flood Radar
 - ☒ B. C-FLOOD
 - ☐ C. FloodSense Advance
 - ☐ D. Unified Flood Vision

Q.84 The Military Combat Parachute System (MCPS), which successfully carried out a combat freefall jump from 32,000 feet in October 2025, was indigenously created by _____.

- Ans**
- ☐ A. Hindustan Aeronautics Limited (HAL)
 - ☐ B. Indian Space Research Organisation (ISRO)
 - ☐ C. Bharat Electronics Limited (BEL)
 - ☒ D. Defence Research and Development Organisation (DRDO)

Q.85 Where was the 17th edition of the Nomadic Elephant defense joint military drill between India and Mongolia held in 2025?

- Ans**
- ☐ A. Kharkhorin, Mongolia
 - ☐ B. Rajasthan, India
 - ☒ C. Ulaanbaatar, Mongolia
 - ☐ D. New Delhi, India

Q.86 Wild Fictions: Essays published in January 2025, is written by which author?

- Ans**
- ☐ A. Gautam Bhatia
 - ☒ B. Amitav Ghosh
 - ☐ C. Santanu Bhattacharya
 - ☐ D. Nidhi Razdan

Q.87 What was Parul Chaudhary's new national record time in the 3000-m steeplechase 2025 Asian Athletics Championships?

- Ans**
- ☐ A. 9:13.39
 - ☐ B. 9:30.45
 - ☒ C. 9:12.46
 - ☐ D. 8:55.50

- Q.88** How many people died due to natural disasters in 2024–25 as per provisional estimates from the Disaster Management (DM) division of the Home Affairs ministry?
- Ans** ☒ A. 6900
☒ B. 3080
☒ C. 4330
☒ D. 1500
- Q.89** Which coach received a royal knighthood in 2025 for contributions to national football?
- Ans** ☒ A. José Mourinho
☒ B. Roberto Martinez
☒ C. Pep Guardiola
☒ D. Gareth Southgate
- Q.90** Who among the following was awarded Comeback of the Year at the 2025 Laureus Awards?
- Ans** ☒ A. Rafael Nadal
☒ B. Tom Pidcock
☒ C. Rebeca Andrade
☒ D. Novak Djokovic
- Q.91** In July 2025, which Union Minister introduced the National Anti-Doping (Amendment) Bill 2025 in Lok Sabha?
- Ans** ☒ A. Kiren Rijju
☒ B. Rajnath Singh
☒ C. Anurag Thakur
☒ D. Mansukh Mandaviya
- Q.92** Which of the following banks raised \$1 billion via a 10-year USD-denominated bond in international markets in January 2025?
- Ans** ☒ A. Reserve Bank of India
☒ B. National Bank for Agriculture and Rural Development
☒ C. Exim Bank of India
☒ D. Indian Overseas Bank
- Q.93** In September 2025, the South Western Railway (SWR) reported that its Railway Protection Force (RPF) had reached out to more than two lakh women passengers under which of the following initiative, aimed at ensuring safety and comfort for women traveling alone?
- Ans** ☒ A. Operation Meri Saheli
☒ B. Mission Shakti
☒ C. Mahila Suraksha Doot Program
☒ D. Safe City Project
- Q.94** Which of the following was designated as the 58th Tiger Reserve of India?
- Ans** ☒ A. Panna National Park
☒ B. Madhav National Park
☒ C. Ranthambore National Park
☒ D. Pench National Park

Q.95 The South Asian Athletics Championships were held in _____ 2025.

- Ans**
- ☐ A. April
 - ☒ B. May
 - ☐ C. March
 - ☐ D. June

Q.96 In June 2025, which of the following countries hosted the observance of the UN Virtual Worlds Day 2025?

- Ans**
- ☐ A. Brazil
 - ☒ B. Italy
 - ☐ C. Germany
 - ☐ D. France

Q.97 Who among the following won the Global Teacher Prize awarded in February 2025?

- Ans**
- ☒ A. Mansour Al Mansour
 - ☐ B. Ranjitsinh Disale
 - ☐ C. Asma Mustafa
 - ☐ D. Sister Zeph

Q.98 What breakthrough innovation in renewable energy storage, which replaces liquid electrolyte with a solid one, was announced in 2025?

- Ans**
- ☐ A. Graphene-supercapacitor hybrid
 - ☒ B. Solid-state sodium-ion battery
 - ☐ C. Lithium-silicon flexible battery
 - ☐ D. Hydrogen fusion battery

Q.99 Which DRDO lab in Pune developed the 6.8×43 mm assault rifle prototype?

- Ans**
- ☐ A. The Armament Exploration and Innovation Establishment (AEIE)
 - ☒ B. The Armament Research and Development Establishment (ARDE)
 - ☐ C. The Armament Development Establishment (ADE)
 - ☐ D. The Armament Research Establishment (ARE)

Q.100 In July 2025, Kavinder Gupta, who served as Deputy Chief Minister of Jammu and Kashmir, assumed the office of Lieutenant Governor of _____.

- Ans**
- ☐ A. Himachal Pradesh
 - ☐ B. Arunachal Pradesh
 - ☒ C. Ladakh
 - ☐ D. Sikkim



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सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Chinamushidiwada
Test Date	05/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The angle between the incident ray and the emergent ray of a prism is called:

- Ans**
- ☒ A. Angle of refraction
 - ☒ B. Angle of incidence
 - ☒ C. Angle of deviation
 - ☒ D. Angle of emergence

Q.2 Which of the following industries uses sodium hydroxide for processing wood pulp?

- Ans**
- ☒ A. Soap Industry
 - ☒ B. Paper Industry
 - ☒ C. Textile Industry
 - ☒ D. Food Industry

Q.3 The relationships of food chain, which can be shown as a series of branching lines is called:

- Ans**
- ☒ A. Food web
 - ☒ B. Trophic level
 - ☒ C. Spider web
 - ☒ D. World wide web

Q.4 A ball is thrown vertically upward with initial velocity (u). After time (t), its velocity (v) becomes _____.

- Ans**
- ☒ A. $v = u - gt$
 - ☒ B. $v = u - gt$
 - ☒ C. $v = u + gt$
 - ☒ D. $v = gt - uv$

- Q.5** Which of the following is/are true about the magnetic field lines around a bar magnet?
(i) The relative strength of the magnetic field is shown by the degree of closeness of the field lines.
(ii) No two magnetic field lines can intersect each other.
- Ans** ☒ A. Both (i) and (ii)
☒ B. Only (ii)
☒ C. Only (i)
☒ D. Neither (i) nor (ii)
- Q.6** According to Thomson's model of an atom, which of the following statements best describes the structure of the atom?
- Ans** ☒ A. Electrons revolve around a central nucleus in fixed orbits.
☒ B. The atom contains only neutrons and electrons.
☒ C. Electrons are embedded in a positively charged sphere.
☒ D. The atom consists of a dense nucleus surrounded by electrons.
- Q.7** Which of the following statements is correct?
- Ans** ☒ A. Sound waves are transverse and need a medium.
☒ B. Sound can travel in vacuum because it is longitudinal.
☒ C. Sound travels faster in vacuum than in air.
☒ D. Sound requires a medium to travel and is longitudinal.
- Q.8** Which of the following functions is NOT associated with Golgi Complex?
- Ans** ☒ A. It modifies and packages proteins received from the endoplasmic reticulum.
☒ B. It transports and secretes materials outside the cell.
☒ C. It permits entries and exits of substances from the cell.
☒ D. It forms lysosomes that help in intracellular digestion.
- Q.9** The crystalline lens of the eye mainly helps in:
- Ans** ☒ A. Sending signals to the brain
☒ B. Providing fine adjustment of focal length
☒ C. Detecting colour of objects
☒ D. Controlling the amount of light entering the eye
- Q.10** Which of the following is NOT an example of action and reaction forces?
- Ans** ☒ A. Foot pushes the ground backward and ground pushes the foot forward
☒ B. The swimmer pushes the water backward with her hands
☒ C. A rocket moving upward due to gases expelled downward
☒ D. When the bus stops suddenly, people fall forward
- Q.11** What is the purpose of cross-breeding exotic and local cattle breeds?
- Ans** ☒ A. To make animals smaller in size
☒ B. To make the animals more aggressive
☒ C. To combine long lactation with disease resistance
☒ D. To reduce food requirements
- Q.12** Where does fertilisation usually occur in the female reproductive system?
- Ans** ☒ A. Uterus
☒ B. Vagina
☒ C. Oviduct
☒ D. Cervix

Q.13 What is the role of nitrogen gas in chip packets?

- Ans**
- ☐ A. It adds crispiness
 - ☐ B. It adds flavour
 - ☐ C. It absorbs moisture
 - ☒ D. It prevents oxidation

Q.14 A force (F) of 10 N is applied on a body, causing it to move 5 m in the direction of the force. The work done (W) is ____.

- Ans**
- ☐ A. 5 J
 - ☐ B. 2 J
 - ☐ C. 15 J
 - ☒ D. 50 J

Q.15 In animals, sensitivity or responsiveness is mainly controlled by the:

- Ans**
- ☒ A. nervous system
 - ☐ B. digestive system
 - ☐ C. respiratory system
 - ☐ D. circulatory system

Q.16 Which of the following is a component of phloem tissue?

- Ans**
- ☐ A. Vessels
 - ☐ B. Tracheids
 - ☐ C. Xylem fibres
 - ☒ D. Sieve tubes

Q.17 What is the mass number of a neutral atom with 11 electrons, 11 protons and 12 neutrons?

- Ans**
- ☐ A. 12
 - ☐ B. 11
 - ☒ C. 23
 - ☐ D. 22

Q.18 Seed dispersal is important for plants because it:

- Ans**
- ☒ A. prevents overcrowding and competition
 - ☐ B. ensures seed death after fertilisation
 - ☐ C. increases the size of seeds
 - ☐ D. prevents pollination

Q.19 Which of the following experimental observations provides the strongest evidence for the existence of particles in matter?

- Ans**
- ☐ A. Salt dissolves faster in warm water than in cold water
 - ☐ B. Water boils and produces steam
 - ☒ C. A drop of ink spreads evenly in water without stirring
 - ☐ D. Ice melts into water when heated

Q.20 The pH of four different solutions are given in the options. Which of them will turn red litmus blue?

- Ans**
- ☒ A. 11
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 4

Q.21 A car starts from rest and reaches a speed of 72 km/hr in 20 seconds. What is the acceleration of the car?

- Ans**
- ☐ A. 3 m/s²
 - ☒ B. 1 m/s²
 - ☐ C. 2 m/s²
 - ☐ D. 4 m/s²

Q.22 Which statement DOES NOT relate to the versatile nature of carbon?

- Ans**
- ☐ A. It can have single, double, and triple bonds.
 - ☐ B. It has catenation.
 - ☒ C. It can bond ionically.
 - ☐ D. It is tetravalent.

Q.23 Which of the following statements best describes allotropes of carbon?

- Ans**
- ☐ A. They are isomers of carbon, having the same molecular formula but different structures.
 - ☒ B. They are different structural forms of carbon with different physical properties but similar chemical properties.
 - ☐ C. They are compounds formed by carbon with different elements.
 - ☐ D. They are different isotopes of carbon with varying numbers of neutrons.

Q.24 If a conductor has a resistance of 10 Ω and a potential difference of 5 V is applied across it, what is the current flowing through it?

- Ans**
- ☐ A. 0.2 A
 - ☒ B. 0.5 A
 - ☐ C. 5 A
 - ☐ D. 2 A

Q.25 Which of the following is a safe sex method to help prevent the transmission of HIV (human immunodeficiency virus)?

- Ans**
- ☐ A. Taking multivitamins regularly
 - ☐ B. Taking antibiotics after sex
 - ☒ C. Using condoms during sexual intercourse
 - ☐ D. Sharing needles carefully

Section : Mathematics

Q.26 Which of the following numbers is the largest number between 4000 and 5000 that is completely divisible by 42?

- Ans**
- ☐ A. 4956
 - ☐ B. 4032
 - ☒ C. 4998
 - ☐ D. 4446

Q.27 Two trains 285 metres and 235 metres long are running in the opposite direction with speeds of 61 km/hr and 83 km/hr, respectively. In how much time will the first train cross the second?

- Ans**
- ☐ A. 16 seconds
 - ☐ B. 5 seconds
 - ☐ C. 3 seconds
 - ☒ D. 13 seconds

Q.28 Two pipes can fill a tank in 10 and 12 minutes respectively and a waste pipe can empty 6 gallons per minute. All the three pipes working together can fill the tank in 30 minutes. Find the capacity of the tank.

- Ans
- ☐ A. 25 gallons
 - ☐ B. 30 gallons
 - ☒ C. 40 gallons
 - ☐ D. 45 gallons

Q.29 A motorist travels a total distance of 30 km in 50 minutes. He drives at a speed of x km/hr for the first 11 minutes, then at $2x$ km/hr for the next 25 minutes, and finally at x km/hr for the remaining part of the journey. Find the value of x .

- Ans
- ☐ A. 29
 - ☒ B. 24
 - ☐ C. 21
 - ☐ D. 27

Q.30 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 40^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans
- ☒ A. 20°
 - ☐ B. 21°
 - ☐ C. 17°
 - ☐ D. 24°

Q.31 If the ratio of two numbers is 8 : 7, and their HCF is 30, then their LCM is:

- Ans
- ☐ A. 1687
 - ☐ B. 1662
 - ☐ C. 1717
 - ☒ D. 1680

Q.32 The average age of 20 students of a class is 29 years. If the age of the teacher is also included, the average age of the whole group becomes 30 years. The age (in years) of the teacher is:

- Ans
- ☐ A. 49
 - ☐ B. 52
 - ☐ C. 53
 - ☒ D. 50

Q.33 If $p : q : r = 13 : 5 : 14$ and $r : s = 42 : 3$, then what is the value of $p : q : r : s$?

- Ans
- ☐ A. 36:19:45:4
 - ☐ B. 41:22:45:8
 - ☒ C. 39:15:42:3
 - ☐ D. 40:19:48:9

Q.34 A rectangular box without a lid is made of thin sheet metal. The box has a length of 60 cm, a breadth of 40 cm, and a height of 30 cm. Find the total area of the sheet metal used to make the box and the cost of the sheet if 1 m^2 costs ₹50.

- Ans
- ☐ A. ₹44
 - ☒ B. ₹42
 - ☐ C. ₹60
 - ☐ D. ₹56

Q.35 If $2a + b + c = 0$ and $8a^3 + b^3 + c^3 = kabc$, then find the value of k^2 .

- Ans
- ☒ A. 81
 - ☒ B. 36
 - ☒ C. 16
 - ☒ D. 49

Q.36 If 20% of a number is added to 96, then the result is the same number. 60% of the same number is:

- Ans
- ☒ A. 72
 - ☒ B. 92
 - ☒ C. 82
 - ☒ D. 102

Q.37 Smart Bazaar is offering 'Buy 14, Get 11 free' on household items. What is the net percentage discount being offered by the Smart Bazaar?

- Ans
- ☒ A. 48%
 - ☒ B. 46%
 - ☒ C. 44%
 - ☒ D. 45%

Q.38 A hemisphere has radius 3.5 cm. If total surface area of hemisphere is equal to the surface area of a sphere, then what is the volume of the sphere?

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

- Ans
- ☒ A. $\frac{539\sqrt{3}}{8} \text{ cm}^3$
 - ☒ B. $\frac{539\sqrt{3}}{2} \text{ cm}^3$
 - ☒ C. $418\sqrt{3} \text{ cm}^3$
 - ☒ D. $\frac{593\sqrt{3}}{8} \text{ cm}^3$

Q.39 A, B and C can do a piece of work in 3, 6 and 10 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans
- ☒ A. 15
 - ☒ B. 6
 - ☒ C. 5
 - ☒ D. 10

Q.40 A number is increased by 15% and the resulting number is again increased by 10%. What is the overall percentage increase in the number?

- Ans
- ☒ A. 10%
 - ☒ B. 26.5%
 - ☒ C. 15%
 - ☒ D. 12.5%

Q.41 An amount of ₹4328 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5 and 6 : 7, respectively. The share of A (in ₹) is:

- Ans** ☒ A. 724
☒ B. 804
☒ C. 768
☒ D. 700

Q.42 A purse has ₹1 and ₹2 coins in the ratio 3 : 2. If the total amount of money is ₹70, how many coins are there in total?

- Ans** ☒ A. 50
☒ B. 45
☒ C. 40
☒ D. 35

Q.43 Rahul is 5 years younger than his sister. After 3 years, the sum of their ages will be 35 years. Find Rahul's present age.

- Ans** ☒ A. 15 years
☒ B. 12 years
☒ C. 14 years
☒ D. 18 years

Q.44 To buy furniture for a new apartment, Chang borrowed ₹50,000 at 16% per annum simple interest for 18 months. How much interest will she pay?

- Ans** ☒ A. ₹11,000
☒ B. ₹10,500
☒ C. ₹12,000
☒ D. ₹11,500

Q.45 The marks obtained by 15 students out of a maximum of 26 in a test are 11, 23, 16, 22, 21, 18, and 25. Find the product of the possible modes:

◀ ▶

- Ans** ☒ A. 222
☒ B. 220
☒ C. 225
☒ D. 224

Q.46 The income of Raman is ₹50,400. He saves 7.5% of his income. If his income increases by 26% and expenditure increases by 45%, then his savings will:

- Ans** ☒ A. decrease by ₹7,875
☒ B. increase by ₹7,872
☒ C. decrease by ₹7,880
☒ D. increase by ₹7,878

Q.47 From the top of a 42 m high building, the angle of depression of a mark on the ground is 30°. Find the distance of the mark from the base of the building?

(Take $\sqrt{3} = 1.7321$ and round off your answer to two decimal places)

◀ ▶

- Ans** ☒ A. 74.25 m
☒ B. 72.75 m
☒ C. 79.25 m
☒ D. 77.75 m

Q.48 The marked price of an item is set at 49% above its cost price. If the merchant sells the item at 16% below the marked price, his profit percentage (rounded off to 1 decimal place) is:

- Ans**
- ☒ A. 26.3%
 - ☒ B. 25.2%
 - ☒ C. 28.8%
 - ☒ D. 29.1%

Q.49 A vendor bought 100 dozens of bananas for ₹4,800 and sold them at 4 bananas for ₹20. Find his gain percentage.

- Ans**
- ☒ A. 35%
 - ☒ B. 25%
 - ☒ C. 30%
 - ☒ D. 20%

Q.50 Simplify: $-5 \times [-4 \times \{-3 - (2 \times (-3) \times (-4) + 5 \times 6) - 3\} \div (-20 \times 3)]$

- Ans**
- ☒ A. 1
- ☒ B. 4
- ☒ C. 0.5
- ☒ D. 2

Section : General Intelligence and Reasoning

Q.51 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. UY - RA
 - ☒ B. RV - OX
 - ☒ C. NR - PT
 - ☒ D. MQ - JS

Q.52 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 6 4 5 6 6 4 7 4 4 2 4 7 4 3 1 9 2 4 3 6 9 7 8 2 7 1 (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. Six
 - ☒ B. Five
 - ☒ C. Seven
 - ☒ D. Four

Q.53 Mohini starts from Point A and drives 13 km towards south. She then takes a right turn, drives 7 km, turns right and drives 7 km. She then takes a right turn and drives 3 km. She takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 8 km towards north
 - ☐ B. 7 km towards south
 - ☐ C. 4 km towards west
 - ☒ D. 4 km towards east

Q.54 What should come in place of the question mark (?) in the given series?

66 81 98 117 138 ?

- Ans**
- ☐ A. 151
 - ☐ B. 159
 - ☐ C. 152
 - ☒ D. 161

Q.55 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.
O sits to the immediate right of P. Only three people sit between O and Y when counted from the left of O. Only three people sit between P and N when counted from the left of P. W sits to the immediate right of M. How many people sit between X and M when counted from the left of M?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☐ C. Three
 - ☒ D. Two

Q.56 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 nut are bolt.
Some bolt are rivet.

Conclusions:

(I) Some nut are rivet.
(II) All rivet are bolt.

- 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.57 In a certain code language, 'MORE' is coded as '1637' and 'DEMO' is coded as '4176'. What is the code for 'D' in the given code language?

- Ans**
- ☒ A. 4
 - ☐ B. 1
 - ☐ C. 7
 - ☐ D. 6

Q.58 In a certain code language,

'A ? B' means 'A is the daughter of B',
'A = B' means 'A is the son of B',
'A @ B' means 'A is the father of B' and
'A √ B' means 'A is the sister of B'.

How is C related to L if 'C ? D @ E = F √ L'?

- Ans
- ☐ A. Mother's sister
 - ☐ B. Daughter
 - ☐ C. Sister
 - ☒ D. Sister's daughter

Q.59 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KJL-NMO
LKM-ONP

- Ans
- ☐ A. VTU-YXZ
 - ☒ B. VUW-YXZ
 - ☐ C. VTU-XWY
 - ☐ D. VUW-XXY

Q.60 Seven people A, B, C, D, E, F, and G are sitting in a row, facing the north. Only one person sits to the right of E. Only three people sit between G and E. Only three people sit between A and D, neither of whom sits on the left end. F sits immediately to the right of C. Only one person sits between A and B. Who sits second to the left of C?

- Ans
- ☐ A. E
 - ☐ B. A
 - ☐ C. D
 - ☒ D. G

Q.61 What should come in place of the question mark (?) in the given series?

612 610 620 617 627 623 ?

- Ans
- ☐ A. 637
 - ☐ B. 635
 - ☐ C. 631
 - ☒ D. 633

Q.62 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

IGP 3 KIO -10 MKN -23 OMM -36 ?

- Ans
- ☒ A. QOL -49
 - ☐ B. OPL -45
 - ☐ C. POI -47
 - ☐ D. PLO -44

Q.63 Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only).

(Left) 7 9 1 8 4 2 5 6 3 8 7 1 9 (Right)

How many odd numbers are there (from left to right) which are immediately followed by even numbers?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. More than three
 - ☒ D. One

Q.64 GKPY is related to JFST in a certain way based on the English alphabetical order. In the same way, SQBE is related to VLEZ. To which of the following options is BBKP related, following the same logic?

- Ans**
- ☒ A. EKMI
 - ☒ B. EWKM
 - ☒ C. EWNK
 - ☒ D. EKIO

Q.65 Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. (Counting to be done from left to right only)

(Left) 6 3 6 9 9 4 4 1 7 5 6 2 1 6 6 6 6 8 8 2 9 1 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☒ A. Four
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Three

Q.66 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$28 + 11 - 3 \div 45 \times 9 = ?$$

- Ans**
- ☒ A. 14
 - ☒ B. 4
 - ☒ C. 0
 - ☒ D. 9

Q.67 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KGD-AWT
FBY-VRO

- Ans**
- ☒ A. XTQ-NJG
 - ☒ B. XSO-NJG
 - ☒ C. XTQ-MJF
 - ☒ D. XSO-MIF

Q.68 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark (?) in the following equation?

$$11 \text{ D } 30 \text{ C } 42 \text{ A } 3 \text{ B } 4 = ?$$

- Ans ☒ A. 37
☐ B. 38
☐ C. 39
☐ D. 35

Q.69 In a row of 32 people facing north, Anita is 8th from the left end. If Savita sits 9th to the right of Anita, then what is Savita's position from the right end of the row?

- Ans ☐ A. 18th
☐ B. 12th
☒ C. 16th
☐ D. 15th

Q.70 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: All forks are kettles. Some forks are cups.

Conclusion (I): Some kettles are cups.

Conclusion (II): All cups are forks.

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

Q.71 Saurav starts from Point A and drives 9 km towards the east. He then takes a right turn, drives 6 km, turns right and drives 11 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 2 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 degrees turns only, unless specified.)

- Ans ☐ A. 6 km to the north
☐ B. 5 km to the north
☐ C. 6 km to the south
☒ D. 5 km to the south

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

- Ans ☐ A. HNW
☐ B. IOW
☒ C. JOA
☐ D. HOX

Q.73 Five people, L, M, N, O and P, are sitting in a row facing north. N is sitting at the third position from the extreme right end of the row. M is not an immediate neighbour of N. P is sitting to the immediate left of N. P is sitting to the immediate right of O. Who is sitting between N and M?

- Ans ☐ A. P
☐ B. N
☐ C. O
☒ D. L

Q.74 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order.
Only three boxes are kept below D. Only two boxes are kept between D and E. Only C is kept immediately above A. F is kept at some place below B and at some place above G.
How many boxes are kept below G?

- Ans
- ☐ A. 4
 - ☐ B. 3
 - ☒ C. 1
 - ☐ D. 2

Q.75 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 & 6 © 3 6 © € % 6 & 4 9 5 4 % € £ \$ % 9 1 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans
- ☐ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☒ D. 2

Q.76 In a certain code language, 'TOUR' is coded as '4139' and 'BRUT' is coded as '4318'. What is the code for 'B' in the given code language?

- Ans
- ☒ A. 8
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 3

Q.77 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 letter-cluster pair that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ A. FL – IJ
 - ☐ B. LD – OB
 - ☒ C. MQ – PN
 - ☐ D. PJ – SH

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(50, 1200, 12)
(4, 120, 15)

- Ans
- ☐ A. (43, 2071, 24)
 - ☐ B. (36, 1087, 15)
 - ☐ C. (12, 535, 22)
 - ☒ D. (39, 858, 11)

Q.79 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?

$$6\ B\ 44\ A\ 3\ D\ 21\ C\ 44 = ?$$

- Ans**
- ☐ A. 110
 - ☐ B. 113
 - ☒ C. 111
 - ☐ D. 112

Q.80 What should come in place of the question mark (?) in the given series?

$$55\ 14\ 58\ 14\ 61\ 14\ ?$$

- Ans**
- ☐ A. 14
 - ☒ B. 64
 - ☐ C. 62
 - ☐ D. 65

Section : General Awareness and Current Affairs

Q.81 What is the total plantation budget for afforestation schemes in the financial year 2025?

- Ans**
- ☐ A. ₹910 Crores
 - ☐ B. ₹756 Crores
 - ☒ C. ₹684 Crores
 - ☐ D. ₹300 Crores

Q.82 As per the guidelines of the Reserve Bank of India, from 1 August 2025, the trading hours of market repo and Tri-Party Repo (TREP) were extended till what time?

- Ans**
- ☐ A. 6:00 PM
 - ☒ B. 4:00 PM
 - ☐ C. 7:00 PM
 - ☐ D. 5:00 PM

Q.83 In the 56th meeting of Monetary Policy Committee (MPC) held from 4 to 6 August 2025, real GDP growth for Q1 2026-27 was projected at:

- Ans**
- ☒ A. 6.6%
 - ☐ B. 6.5%
 - ☐ C. 6.8%
 - ☐ D. 6.3%

Q.84 Which legend won the Laureus Lifetime Achievement Award 2025?

- Ans**
- ☐ A. Rafael Nadal
 - ☐ B. Usain Bolt
 - ☐ C. Serena Williams
 - ☒ D. Kelly Slater

Q.85 Anurag Kashyap's upcoming bilingual action-thriller Dacoit features which actor alongside Mrunal Thakur?

- Ans**
- ☐ A. Prithviraj Sukumaran
 - ☒ B. Adivi Sesh
 - ☐ C. Fahadh Faasil
 - ☐ D. Dulquer Salmaan

Q.86 What is the name of the new digital platform being developed by the Election Commission of India (ECI) in 2025?

- Ans**
- ☐ A. ECI Connect
 - ☒ B. ECINET
 - ☐ C. VoterHub
 - ☐ D. ElectionLink

Q.87 Which of the following institutes was chosen by the Indian Council of Medical Research (ICMR) in January 2025 to establish South India's first Infectious Disease Research and Diagnostic Laboratory (IRDL)?

- Ans**
- ☒ A. Bangalore Medical College and Research Institute (BMCRI)
 - ☐ B. Kamineni Academy of Medical Sciences And Research Centre, Hyderabad
 - ☐ C. Sri Ramachandra Medical College and Research Institute, Chennai
 - ☐ D. Christian Medical College (CMC), Vellore

Q.88 Which wildlife area has been recently recognised as India's 107th national park?

- Ans**
- ☐ A. Buxa
 - ☐ B. Nagarhole
 - ☒ C. Similipal
 - ☐ D. Palamau

Q.89 Which edition of International Conference on 'Arbitrating Indo-UK Commercial Disputes' was organised by the Indian Council of Arbitration (ICA) during the London International Disputes Week (LIDW) in June 2025?

- Ans**
- ☐ A. 4th
 - ☐ B. 2nd
 - ☒ C. 3rd
 - ☐ D. 5th

Q.90 In the Asian Athletics Championships 2025, how many gold medals did India secure?

- Ans**
- ☒ A. 8
 - ☐ B. 4
 - ☐ C. 12
 - ☐ D. 6

Q.91 Where was the Bharatiya Bhasha Anubhag (Indian Languages Section) launched by Union Home Minister Amit Shah on 6 June 2025?

- Ans**
- ☐ A. Chennai
 - ☒ B. New Delhi
 - ☐ C. Mumbai
 - ☐ D. Hyderabad

Q.92 Which Indian environmental activist was in the news for leading a youth movement in 2025?

- Ans**
- ☐ A. Ridhima Pandey
 - ☒ B. Licypriya Kangujam
 - ☐ C. Disha Ravi
 - ☐ D. Medha Patkar

Q.93 Which of the following institutes that was launched in May 2025 developed the Bharat Forecast System to give sharper rain alerts?

- Ans**
- ✓ A. Indian Institute of Tropical Meteorology
 - ✗ B. National Centre for Medium Range Weather Forecasting
 - ✗ C. India Meteorological Department
 - ✗ D. Indian Institute of Science

Q.94 Who became the first Indian boxer to win a gold medal at the World Boxing Cup in 2025?

- Ans**
- ✗ A. Amit Panghal
 - ✓ B. Hitesh Gulia
 - ✗ C. Shiva Thapa
 - ✗ D. Abhinash Jamwal

Q.95 Which shooter won the Major Dhyan Chand Khel Ratna Award in January 2025?

- Ans**
- ✗ A. Swapnil Kusale
 - ✗ B. Sarabjot Singh
 - ✓ C. Manu Bhaker
 - ✗ D. Anish Bhanwala

Q.96 Who among the following won the 2025 Pritzker Architecture Prize awarded in May 2025?

- Ans**
- ✗ A. David Chipperfield
 - ✓ B. Liu Jiakun
 - ✗ C. Shigeru Ban
 - ✗ D. Jeanne Gang

Q.97 What major international goal does the High Seas Treaty aim to advance once in force?

- Ans**
- ✓ A. Create marine protected areas
 - ✗ B. Ban deep-sea mining
 - ✗ C. Restrict commercial shipping lanes
 - ✗ D. Establish a global fisheries quota

Q.98 What is the purpose of the new Global Innovation Hub 'District I' launched in Bengaluru Airport City?

- Ans**
- ✗ A. Space mission and control Centre
 - ✓ B. Retail and e-commerce incubation
 - ✗ C. Deep-tech entrepreneurship and AI innovation
 - ✗ D. Military Drone Development

Q.99 Which of the following portals was launched in Punjab in June 2025 that has helped digitise land records and curb corruption in registry services?

- Ans**
- ✓ A. Easy Jamabandi Portal
 - ✗ B. Punjab Land Records System
 - ✗ C. Digital Registry Punjab
 - ✗ D. Punjab Bhulekh Portal

Q.100 In which of the following places was the Indian Conservation Conference (ICON) 2025, India's flagship biodiversity event, held in June 2025?

- Ans**
- ☐ A. Raipur
 - ☐ B. Shimla
 - ☒ C. Dehradun
 - ☐ D. Madurai



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON DIGITAL ZONE iDZ Cityland
Test Date	05/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements is true about mass?

- Ans
- ☒ A. Mass is a measure of the force acting on a body
 - ☒ B. Mass is a measure of inertia of a body
 - ☒ C. Mass and weight are exactly the same
 - ☒ D. Mass depends on the location of the body

Q.2 Select the correct example of a crystalline solid.

- Ans
- ☒ A. Only salt
 - ☒ B. Both sugar and salt
 - ☒ C. Only sand
 - ☒ D. All salt, sugar and sand

Q.3 Which of the following is the fluid content inside the plasma membrane?

- Ans
- ☒ A. Cell wall
 - ☒ B. Nuclear membrane
 - ☒ C. Cytoplasm
 - ☒ D. Ribosomes

Q.4 What happens to the inter-particle space when a solid melts into a liquid?

- Ans
- ☒ A. It becomes zero
 - ☒ B. It decreases
 - ☒ C. It remains the same
 - ☒ D. It increases

Q.5 If a constant force of 10 N moves an object 5 m in the same direction as the force, the work done is:

- Ans
- ☒ A. 50 J
 - ☒ B. 5 J
 - ☒ C. 15 J
 - ☒ D. 2 J

Q.6 In a concave mirror, a ray of light directed towards the principal focus after reflection:

- Ans**
- ☒ A. Becomes parallel to the principal axis
 - ☐ B. Passes through the center of curvature
 - ☐ C. Diverges away from the axis
 - ☐ D. Retraces its path

Q.7 The wavering of objects seen through a turbulent hot air stream is an example of:

- Ans**
- ☒ A. small-scale atmospheric refraction
 - ☐ B. dispersion of light
 - ☐ C. internal reflection in air layers
 - ☐ D. diffraction in air

Q.8 A compass needle placed near a current-carrying conductor shows deflection because:

- Ans**
- ☐ A. Current produces sound
 - ☐ B. Current produces heat
 - ☒ C. Current produces magnetic field
 - ☐ D. Current produces electric field

Q.9 The anion formed by which of the following non-metals reacts with Ca^{2+} ion to form a stable ionic compound?

- Ans**
- ☐ A. Carbon
 - ☐ B. Nitrogen
 - ☐ C. Boron
 - ☒ D. Oxygen

Q.10 What is the primary function of epithelial tissue?

- Ans**
- ☒ A. Protection
 - ☐ B. Movement
 - ☐ C. Support
 - ☐ D. Control

Q.11 If 0.2 A current flows through a wire when the potential difference across it is 2 V, what is the resistance of the wire?

- Ans**
- ☒ A. $10\ \Omega$
 - ☐ B. $4\ \Omega$
 - ☐ C. $1\ \Omega$
 - ☐ D. $0.1\ \Omega$

Q.12 Which of the following statements is/are correct?

- A) The formula unit mass of CaCl_2 is 111 u.
- B) The formula unit mass is calculated in the same manner as we calculate the molecular mass.
- C) The formula unit mass is calculated in a manner that is different to how we calculate the molecular mass.

- Ans**
- ☐ A. Only B and C
 - ☐ B. Only C
 - ☐ C. Only A
 - ☒ D. Only A and B

Q.13 $(\text{CH}_3)_2\text{-C-CH}_3$ represents the structural formula of which of the following organic compounds?

- Ans**
- ☒ A. 2,2-dimethyl propane
 - ☐ B. 3-methyl butane
 - ☐ C. methyl butane
 - ☐ D. 2,3-dimethyl propane

Q.14 Which of the following is an example of natural ecosystem?

- Ans**
- ☐ A. Fish aquarium
 - ☐ B. Hydroponics
 - ☐ C. Kitchen garden
 - ☒ D. Forests

Q.15 Which of the following does NOT involve oxidation reaction?

- Ans**
- ☐ A. Rusting of iron
 - ☐ B. Burning of wood
 - ☒ C. Dissolution of salt in water
 - ☐ D. Electrolysis of water

Q.16 What is the minimum time gap needed between the original sound and its echo for us to hear a clear echo?

- Ans**
- ☒ A. 0.1 seconds
 - ☐ B. 1 second
 - ☐ C. 10 seconds
 - ☐ D. 0.01 seconds

Q.17 Why is the gravitational force considered a weak force in everyday terrestrial interactions, such as between you and a friend sitting nearby?

- Ans**
- ☒ A. Because the force is only significant when large masses (like planets or celestial bodies) are involved.
 - ☐ B. Because the distance between the objects is negligibly small.
 - ☐ C. Because the force is only experienced when the objects are in free fall.
 - ☐ D. Because the mass of human objects is much greater than the Earth's mass.

Q.18 Through the phenomenon of biological magnification, which of the following has the maximum concentration of pesticides in them?

- Ans**
- ☒ A. Snake
 - ☐ B. Grass
 - ☐ C. Grasshopper
 - ☐ D. Frog

Q.19 Which of the following statements is correct about reproduction in plants?

- Ans**
- ☐ A. Spores need fusion with another spore to produce new offspring.
 - ☐ B. Spores are produced only during sexual reproduction.
 - ☒ C. Spores can alone produce new offspring.
 - ☐ D. Gametes can alone produce new offspring.

Q.20 What happens when an unbalanced force acts on an object?

- Ans**
- ☐ A. The object always moves in a circular path
 - ☒ B. There is a change in the object's speed or direction of motion
 - ☐ C. The object moves without any acceleration
 - ☐ D. The object remains at rest permanently

Q.21 Which of the following statements about nervous tissue is correct?

- Ans**
- ☒ A. Nervous tissue consists of neurons and is found in the brain, spinal cord and nerves
 - ☐ B. Nervous tissue is responsible for voluntary movement and is attached to bones.
 - ☐ C. Nervous tissue is composed of epithelial cells that form protective layers.
 - ☐ D. Nervous tissue is made up of muscle fibres responsible for movement.

Q.22 Which of the following statements about oxidation and reduction are correct?

- I. A substance is said to be oxidised if it gains oxygen or loses hydrogen.
- II. A substance is reduced if it loses oxygen or gains hydrogen.
- III. In every redox reaction, both oxidation and reduction occur simultaneously.

- Ans**
- ☒ A. I, II, and III
 - ☐ B. I and III only
 - ☐ C. II and III only
 - ☐ D. I and II only

Q.23 Which of the following is a T-shaped intra-uterine contraceptive device that offers long-term (multi-year) birth control?

- Ans**
- ☐ A. Diaphragm
 - ☐ B. Birth control pill
 - ☐ C. Male condom
 - ☒ D. Copper-T

Q.24 Which of the following is a psychological change associated with sexual maturity?

- Ans**
- ☐ A. Development of brain
 - ☐ B. Increased physical activity
 - ☒ C. Desire of independence and mood swings
 - ☐ D. Hair growth on skin

Q.25 Which of the following products is formed on complete combustion of hydrocarbons?

- Ans**
- ☒ A. CO₂ and water
 - ☐ B. Methane and hydrogen
 - ☐ C. CO and water
 - ☐ D. Methane and oxygen

Section : Mathematics

Q.26 A product was sold for ₹980, resulting in a loss of ₹150. To earn a profit of ₹270 instead, what should be its revised selling price?

- Ans**
- ☒ A. ₹1,400
 - ☐ B. ₹1,130
 - ☐ C. ₹1,430
 - ☐ D. ₹1,100

Q.27 Which of the following numbers is divisible by 6?

- Ans**
- ☐ A. 7993043
 - ☒ B. 7132950
 - ☐ C. 6348681
 - ☐ D. 7699504

Q.28 If $5^{u+v} = 625$ and $625^{u-v} = 5$, then the value of u is:

- Ans
- ☐ A. 25
 - ☒ B. $\frac{17}{8}$
 - ☐ C. $\frac{15}{8}$
 - ☐ D. 125

Q.29 The population of a village increased by 5% in 2023 and was expected to increase again by 6% in 2024. Find the overall percentage increase in the population of the village over the two years.

- Ans
- ☐ A. 11.13%
 - ☐ B. 12.2%
 - ☒ C. 11.3%
 - ☐ D. 14.22%

Q.30 The sum of ages of three brothers is 52 years. The eldest is 4 years older than the middle brother, and the middle brother is 6 years older than the youngest. Find the age of the eldest brother.

- Ans
- ☐ A. 18 years
 - ☐ B. 24 years
 - ☒ C. 22 years
 - ☐ D. 14 years

Q.31 If the difference of the mode and median of a data is 52, then find the



- Ans
- ☐ A. 24
 - ☐ B. 28
 - ☐ C. 22
 - ☒ D. 26

Q.32 If 20% of a number is added to 84, then the result is the same number. 80% of the same number is:

- Ans
- ☒ A. 84
 - ☐ B. 94
 - ☐ C. 104
 - ☐ D. 114

Q.33 If $a + b = 8$ and $ab = 12$, calculate the value of $a^2 + b^2$.

- Ans
- ☐ A. 30
 - ☒ B. 40
 - ☐ C. 35
 - ☐ D. 45

Q.34 DMART is offering 'Buy 30, get 21 free' on grocery items. What is the net percentage discount being offered by the DMART? (Corrected up to two decimal places)

- Ans
- ☐ A. 39.7%
 - ☐ B. 42.01%
 - ☒ C. 41.18%
 - ☐ D. 44.15%

Q.35 Nick, Kevin, and Joe can finish a certain piece of work in 10, 47, and 24 days, respectively. All three of them started the work together. Nick left the work after 2 days and Kevin left just 5 days before the work was completed. Find the total number of days taken for the work to be completed.

- Ans** ☐ A. 18.9
☐ B. 12.5
☐ C. 19.8
☒ D. 14.4

Q.36 Isha buys a gold ring for her mother. The gold ring is marked at ₹50,000, and two successive discounts of 30% and R%, respectively, are given. After getting the two successive discounts, she paid ₹14,000. Find the value of R.

- Ans** ☐ A. 59
☒ B. 60
☐ C. 58
☐ D. 62

Q.37 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 36^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 2 : 7, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans** ☐ A. 43°
☐ B. 45°
☐ C. 39°
☒ D. 40°

Q.38 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 66% and that of the TV decreases by 57%, then what is the percentage change in the total cost of 7 washing machines and 5 TVs?

- Ans** ☐ A. Decrease by 1%
☒ B. Increase by 6%
☐ C. Decrease by 7%
☐ D. Increase by 8%

Q.39 The sides of a triangle are 45 cm, 28 cm, and 53 cm. What is its area (in cm^2)?

- Ans** ☐ A. 603
☐ B. 624
☐ C. 623
☒ D. 630

Q.40 Ajay and Shanu together have ₹1,050. If ₹350 is taken from Ajay, he will have the same amount that Shanu had initially. Find the initial ratio of the amounts with Ajay and Shanu.

- Ans** ☒ A. 2 : 1
☐ B. 3 : 2
☐ C. 4 : 3
☐ D. 5 : 4

Q.41 What is the average speed of a bike, which covers half the distance with a speed of 42 km/hr and the other half with a speed of 84 km/hr?

- Ans** ☐ A. 63 km/hr
☒ B. 56 km/hr
☐ C. 57 km/hr
☐ D. 47 km/hr

Q.42 The arithmetic mean of the observations 39, 91, 32, 73, 84, 18, 83, 83 and 28 is:

- Ans ☒ A. 59
☐ B. 50
☐ C. 51
☐ D. 62

Q.43 A regular hexagonal tile has a side length of 6 cm. The tile is divided into 6 equilateral triangles by drawing lines from the centre to each vertex. If 3 alternate triangles are painted blue, what is the total blue painted area (rounded off to two decimal places)?

- Ans ☒ A. 46.77 cm²
☐ B. 45.27 cm²
☐ C. 44.77 cm²
☐ D. 47.27 cm²

Q.44 A sum of money was invested at simple interest at a certain rate for 10 years. Had it been invested at a 6% per annum higher rate, it would have fetched ₹5,700 more. Find the principal.

- Ans ☐ A. ₹9,000
☒ B. ₹9,500
☐ C. ₹10,000
☐ D. ₹8,500

Q.45 Two numbers add up to 98. If twice the smaller number minus the bigger number equals 28, find the smaller number.

- Ans ☐ A. 48
☐ B. 36
☒ C. 42
☐ D. 56

Q.46 One pipe can fill a tank in 9 minutes while another pipe can empty the completely filled tank in 18 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans ☐ A. 18
☐ B. 19
☐ C. 10
☒ D. 9

Q.47 Walking at $\frac{2}{7}$ of his normal speed, Abhijeet is 30 minutes late in reaching time taken by him to cover the distance between his home and his office.



- Ans ☒ A. 12 minutes
☐ B. 5 minutes
☐ C. 13 minutes
☐ D. 15 minutes

Q.48 Find the value of $\sin^2 45^\circ + \cos^2 45^\circ$.

- Ans ☒ A. 1
☐ B. 2
☐ C. $\frac{1}{2}$
☐ D. $\sqrt{2}$

Q.49 The sum of three numbers is 2316. If the ratio between the first and second numbers is 16 : 10 and that of between second and third is 6 : 18, then find the difference between the first and the third number.

- Ans** ☒ A. 547
☒ B. 579
☒ C. 597
☒ D. 574

Q.50 Which of the following numbers is divisible by 105?

- Ans** ☒ A. 4525
☒ B. 4675
☒ C. 4515
☒ D. 4845

Section : General Intelligence and Reasoning

Q.51 If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?

$$96 \text{ H } 12 \text{ G } 2 \text{ E } 15 \text{ F } 9 = ?$$

- Ans** ☒ A. 20
☒ B. 22
☒ C. 26
☒ D. 24

Q.52 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 4 1 8 7 1 5 3 4 2 9 7 3 9 1 9 4 4 4 9 2 9 2 9 8 1 4 9 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☒ A. 3
☒ B. 1
☒ C. 4
☒ D. 2

Q.53 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
7P25 10Q20 ? 16S10 19T5

- Ans** ☒ A. 16R15
☒ B. 14R15
☒ C. 13R15
☒ D. 15R13

Q.54 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. KNP
☒ B. DHI
☒ C. EHJ
☒ D. UXZ

Q.55 In a certain code language, 'desk round mom' is coded as 'md ei wx' and 'mom wheat bell' is coded as 'um ac ei'. How is 'mom' coded in the given language?

- Ans**
- ☒ A. um
 - ☒ B. wx
 - ☒ C. ei
 - ☒ D. md

Q.56 What should come in place of the question mark (?) in the given series?

1 9 25 ? 81

- Ans**
- ☒ A. 30
 - ☒ B. 64
 - ☒ C. 36
 - ☒ D. 49

Q.57 What should come in place of the question mark (?) in the given series?

87 75 63 51 39 ?

- Ans**
- ☒ A. 25
 - ☒ B. 26
 - ☒ C. 24
 - ☒ D. 27

Q.58 This question is based on the five, three-digit numbers given below.

(Left) 582 128 563 183 592 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 3
 - ☒ B. 6
 - ☒ C. 4
 - ☒ D. 7

Q.59 RBUL is related to VXYH in a certain way based on the English alphabetical order. In the same way, ZTCD is related to DPGZ. To which of the given options is HLKV related, following the same logic?

- Ans**
- ☒ A. LHOR
 - ☒ B. MINQ
 - ☒ C. KGPS
 - ☒ D. LIPS

Q.60 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. TWX
 - ☒ B. KOO
 - ☒ C. WZA
 - ☒ D. ILM

Q.61 Juhi starts from point A and drives 57 km towards the North. She then takes a right turn, drives 58 km, turns right and drives 61 km. She then takes a right turn and drives 60 km. She takes a final right turn, drives 4 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☐ A. 3 km to the west
 - ☒ B. 2 km to the east
 - ☐ C. 4 km to the west
 - ☐ D. 1 km to the east

Q.62 Six cadets, Ram, Shyam, Ravi, John, Noel and Rohan, are standing around a round flag-hoisting pole, facing towards the centre. Noel is the immediate neighbour of Ram and Rohan. John is third to the left of Ram. Ravi and Shyam are sitting next to each other. John is a neighbour of both Shyam and Rohan. Who amongst the following is sitting between Ram and Shyam, when counted from the left of Shyam?

- Ans**
- ☐ A. Noel
 - ☒ B. Ravi
 - ☐ C. Ram
 - ☐ D. Rohan

Q.63 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of D. C is the immediate neighbour of A and B. E sits to the immediate right of G. How many people sit between F and B when counted from the left of F?

- Ans**
- ☐ A. Three
 - ☐ B. Two
 - ☐ C. Four
 - ☒ D. Five

Q.64 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.
(Left) 5 7 9 4 2 1 4 7 9 3 2 6 8 5 4 1 9 5 4 3 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. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☒ D. 1

Q.65 In a certain code language, 'soup hat honey' is coded as 'vc iw dp' and 'honey wall yak' is coded as 'ar hw iw'. How is 'honey' coded in the given language?

- Ans**
- ☒ A. iw
 - ☐ B. vc
 - ☐ C. dp
 - ☐ D. ar

Q.66 TP 16 is related to LH 8 in a certain way. In the same way, PL 18 is related to HD 9. To which of the given options is LH 12 related, following the same logic?

- Ans**
- ☐ A. EL 8
 - ☐ B. PW 6
 - ☒ C. DZ 6
 - ☐ D. LS 6

- Q.67** 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: All ostriches are eagles. No ostrich is a peacock.

Conclusion (I): No eagle is a peacock.

Conclusion (II): Some peacocks are ostriches.

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

- Q.68** In a certain code language,
P # Q means 'P is the father of Q',
P % Q means 'P is the sister of Q',
P @ Q means 'P is the wife of Q' and
P & Q means 'P is the brother of Q'.
Based on the above, how is G related to J if 'G @ D # B @ K # J'?

- Ans**
- ☒ A. Mother's mother
 - ☒ B. Father's sister
 - ☒ C. Father's mother
 - ☒ D. Husband's sister

- Q.69** If + means $\div$, $\div$ means $\times$, $\times$ means $+$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$131 - 7 \div 32 + 362 \times 2 = ?$$

- Ans**
- ☒ A. 768
 - ☒ B. 766
 - ☒ C. 767
 - ☒ D. 765

- Q.70** Each of the digits in the number 2365987 is arranged in descending order from right to left. Calculate the sum of the digits whose position(s) remain(s) unchanged as compared to that in the original number.

- Ans**
- ☒ A. 13
 - ☒ B. 9
 - ☒ C. 14
 - ☒ D. 12

- Q.71** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CMN KUV SCD AKL ?

- Ans**
- ☒ A. ISD
 - ☒ B. IST
 - ☒ C. IDE
 - ☒ D. STI

Q.72 Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and B. Only K is kept above I. Only two boxes are kept between K and J. C is kept at some place below L but at some place above D. How many boxes are kept between C and L?

- Ans**
- ☐ A. Three
 - ☐ B. Two
 - ☐ C. Four
 - ☒ D. One

Q.73 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 its 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, 39, 3)
(15, 75, 5)

- Ans**
- ☒ A. (12 , 36 , 3)
 - ☐ B. (10, 35, 3)
 - ☐ C. (64, 8, 4)
 - ☐ D. (5, 25, 15)

Q.74 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:

All figs are bananas.
All cups are bananas.

Conclusions:

(I) Some figs are cups.
(II) All cups are figs.

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

Q.75 Seven boxes B, C, D, I, J, K, and L are kept one over the other but not necessarily in the same order. Only I is kept above L. Only three boxes are kept between I and B. Only K is kept below C. D is kept immediately above B. How many boxes are kept between J and K?

- Ans**
- ☐ A. Two
 - ☐ B. Four
 - ☐ C. One
 - ☒ D. Three

Q.76 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. A sits third to the left of R. B sits second to the left of C. R is the immediate neighbour of both U and B. T is not an immediate neighbour of A. How many people sit between S and B when counted from the right of S?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☐ C. Four
 - ☒ D. Two

Q.77 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 3 1 6 9 6 2 1 5 8 5 3 3 8 2 6 1 7 3 7 8 7 4 9 1 5 7 4 (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. One
☐ B. More than three
☐ C. Two
☐ D. Three

Q.78 What should come in place of the question mark (?) in the given series?

1 1 2 6 24 120 ?

- Ans** ☒ A. 720
☐ B. 160
☐ C. 300
☐ D. 520

Q.79 DI 2 is related to UZ 8 in a certain way. In the same way, MR 4 is related to DI 64. To which of the given options is OT 3 related, following the same logic?

- Ans** ☐ A. NW 21
☐ B. LE 18
☒ C. FK 27
☐ D. GK 16

Q.80 Sahana starts from Point A and drives 6 km towards west. She then takes a left turn, drives 8 km, turns left and drives 2 km. She then takes a left turn and drives 4 km. She takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☐ A. 4 km towards south
☐ B. 6 km towards west
☒ C. 4 km towards north
☐ D. 7 km towards north

Section : General Awareness and Current Affairs

Q.81 Which Indian state released a draft child protection policy on 1 April 2025 inviting public feedback on implementation across institutions?

- Ans** ☐ A. Rajasthan
☒ B. Gujarat
☐ C. Maharashtra
☐ D. Kerala

Q.82 Which of the following institutions launched WhatsApp Channel for verified financial updates in April 2025?

- Ans** ☐ A. Punjab National Bank
☐ B. Indian Bank
☐ C. State Bank of India
☒ D. Reserve Bank of India

Q.83 Who won the Men's Singles title at the 2025 Australian Open?

- Ans**
- ☐ A. Novak Djokovic
 - ☐ B. Daniil Medvedev
 - ☐ C. Carlos Alcaraz
 - ☒ D. Jannik Sinner

Q.84 Which agency launched Bharatpol in January 2025, to streamline real-time Interpol communication for Indian agencies?

- Ans**
- ☐ A. Reserve Bank of India
 - ☐ B. NITI Ayog
 - ☐ C. Central Vigilance Commission
 - ☒ D. Central Bureau of Investigation

Q.85 Which Indian gymnast made history at the FIG Apparatus World Cup 2025 by winning a bronze medal?

- Ans**
- ☐ A. Aruna Reddy
 - ☒ B. Pranati Nayak
 - ☐ C. Meghna Reddy
 - ☐ D. Dipa Karmakar

Q.86 Which city in India hosted the inaugural ASEAN-India Cruise Dialogue on 1 July 2025?

- Ans**
- ☐ A. Pondicherry
 - ☒ B. Chennai
 - ☐ C. Mumbai
 - ☐ D. Visakhapatnam

Q.87 In July 2025, who inaugurated the 'Mahila Aarogyam Kaksh' to promote women's health at Shastri Bhawan?

- Ans**
- ☐ A. Smriti Irani
 - ☒ B. Arjun Ram Meghwal
 - ☐ C. Nirmala Sitharaman
 - ☐ D. Rajeev Chandrasekhar

Q.88 As per the Govt. of India's report in July 2025, which of the following states processed the highest quantity of e-waste during 2024-25?

- Ans**
- ☒ A. Uttar Pradesh
 - ☐ B. Madhya Pradesh
 - ☐ C. Kerala
 - ☐ D. Gujarat

Q.89 The IRIS chip developed by Indian Institute of Technology (IIT) Madras and ISRO is based on which indigenous microprocessor architecture?

- Ans**
- ☐ A. MIPS
 - ☐ B. ARM Cortex
 - ☒ C. SHAKTI
 - ☐ D. Intel x86

Q.90 Which country was elected the President of the African-Asian Rural Development Organization (AARDO) for 2025–27?

- Ans**
- ☐ A. Singapore
 - ☐ B. Malaysia
 - ☒ C. India
 - ☐ D. Ghana

Q.91 What was India's position in the 2025 Climate Change Performance Index (CCPI)?

- Ans**
- ☐ A. 7th
 - ☐ B. 13th
 - ☐ C. 11th
 - ☒ D. 10th

Q.92 In May 2025, the United Nations Development Programme (UNDP) released the Human Development Index (HDI), 2024, report. What was India's rank in the HDI list?

- Ans**
- ☐ A. 134th
 - ☒ B. 130th
 - ☐ C. 132nd
 - ☐ D. 143rd

Q.93 Which technology was used in 2025 to create the latest lab-grown human lung microtissues?

- Ans**
- ☐ A. Quantum protein folding simulation
 - ☐ B. CRISPR editing
 - ☐ C. AI-driven organoid modeling
 - ☒ D. 3D bioprinting with stem cells

Q.94 The Indian who won the United Nations Sasakawa Award 2025 for Disaster Risk Reduction is popularly known as?

- Ans**
- ☒ A. Cyclone Man of India
 - ☐ B. Storm Tracker
 - ☐ C. Rain Man of India
 - ☐ D. Climate Champion

Q.95 The Indian Prime Minister launched a scheme with a budgetary allocation of ₹11,440 crore for the period 2025–26 to 2030–31 on 11 October 2025, named ____.

- Ans**
- ☐ A. PM Krishi Sinchai Yojana
 - ☐ B. Mission for Cotton Productivity
 - ☐ C. PM Fasal Bima Yojana
 - ☒ D. Mission for Aatmanirbharta in Pulses

Q.96 Which of the following insurance companies launched the 'SheTARA' health campaign on International Women's Day, 2025?

- Ans**
- ☐ A. HDFC ERGO General Insurance
 - ☐ B. United India Insurance Company
 - ☐ C. ICICI Lombard General Insurance
 - ☒ D. Star Health and Allied Insurance

Q.97 Which country hosted the G20 Foreign Ministers' Meeting in March 2025?

- Ans**
- ☐ A. Italy
 - ☐ B. Germany
 - ☒ C. South Africa
 - ☐ D. India

Q.98 The 2025 World Judo Championships, held in June 2025, took place at which location?

- Ans**
- ☐ A. Baku, Azerbaijan
 - ☐ B. Tokyo, Japan
 - ☒ C. Budapest, Hungary
 - ☐ D. Doha, Qatar

Q.99 How many years had Narendra Modi completed as Prime Minister of India by May 2025?

- Ans**
- ☒ A. Eleven
 - ☐ B. Eight
 - ☐ C. Fifteen
 - ☐ D. Ten

Q.100 Which Indian cricketer was among the recipients of the Padma Shri in 2025?

- Ans**
- ☐ A. Virat Kohli
 - ☐ B. Rohit Sharma
 - ☐ C. KL Rahul
 - ☒ D. Ravichandran Ashwin



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Zoo Park Tirupathi
Test Date	05/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following methods is an example of asexual reproduction in plants?

- Ans
- ☐ A. Germination
 - ☐ B. Fertilisation
 - ☒ C. Vegetative propagation
 - ☐ D. Pollination

Q.2 Detergents can work in which of the following?

- Ans
- ☐ A. Only hot water
 - ☒ B. Both hard and soft water
 - ☐ C. Only soft water
 - ☐ D. Only distilled water

Q.3 When dilute hydrochloric acid reacts with sodium hydrogencarbonate, which of the following observations is correct?

- Ans
- ☐ A. Formation of hydrogen gas with a pop sound
 - ☐ B. Formation of brown fumes of nitrogen dioxide
 - ☒ C. Rapid evolution of a colourless gas that turns lime water milky
 - ☐ D. Formation of a salt and water only

Q.4 Providing water to crops at optimal times during their growth cycle directly contributes to what outcome?

- Ans
- ☐ A. Increased vulnerability to pests
 - ☐ B. Decreased nutrient uptake
 - ☒ C. Higher expected yields
 - ☐ D. Delayed maturation

Q.5 Which of the following observations could NOT be explained by Rutherford's model of the atom?

- Ans
- ☐ A. The deflection of alpha particles at large angles
 - ☐ B. The presence of a positively charged nucleus in the atom
 - ☐ C. The distribution of electrons around the nucleus
 - ☒ D. The stability of the atom despite the presence of accelerating electrons

Q.6 Which of the following is NOT a method of irrigation?

- Ans**
- ☐ A. River lift systems
 - ☐ B. Wells
 - ☒ C. Check dams
 - ☐ D. Canals

Q.7 Why do we experience muscle cramps after heavy exercise?

- Ans**
- ☒ A. Due to accumulation of lactic acid
 - ☐ B. Because muscles stop contracting
 - ☐ C. Due to a decrease in body temperature
 - ☐ D. Because blood flow completely stops during exercise

Q.8 When an empty plastic bottle with an airtight stopper is pushed deeper into a bucket of water, the increasing upward force that resists the downward push is known as _____.

- Ans**
- ☐ A. gravitational force
 - ☐ B. surface tension
 - ☐ C. atmospheric pressure
 - ☒ D. buoyant force (or upthrust)

Q.9 Which of the following reproductive method will generate greater diversity in population?

- Ans**
- ☐ A. Budding
 - ☐ B. Binary fission
 - ☐ C. Fragmentation
 - ☒ D. Sexual reproduction

Q.10 Which of the following expressions is representing the correct lens formula?

- Ans**
- ☐ A. $1/v + 1/u = f$
 - ☐ B. $1/v - 1/u = f$
 - ☐ C. $1/v + 1/u = 1/f$
 - ☒ D. $1/v - 1/u = 1/f$

Q.11 The nature of the bond formed in aliphatic carbon compounds is:

- Ans**
- ☒ A. covalent
 - ☐ B. ionic
 - ☐ C. coordinate
 - ☐ D. hydrogen

Q.12 If the speed of a wave is 300 m/s and its wavelength is 0.75 m, the frequency of the wave is _____.

- Ans**
- ☐ A. 225 Hz
 - ☐ B. 300 Hz
 - ☒ C. 400 Hz
 - ☐ D. 75 Hz

Q.13 An electric bulb is rated 110 Watt – 220 Volt. The current drawn by the bulb is:

- Ans**
- ☐ A. 2 A
 - ☐ B. 24,200 A
 - ☐ C. 20 A
 - ☒ D. 0.5 A

Q.14 A man lifts a stone of mass 22 kg through a vertical height of 4 m. Calculate the work done. (Take $g = 10 \text{ m/s}^2$)

- Ans**
- ☒ A. 880 J
 - ☐ B. 55 J
 - ☐ C. 400 J
 - ☐ D. 220 J

Q.15 The gas released on the reaction of metal carbonate with hydrochloric acid turns lime water milky. The released gas is:

- Ans**
- ☒ A. Carbon dioxide
 - ☐ B. Chlorine
 - ☐ C. Carbon monoxide
 - ☐ D. Hydrogen

Q.16 A concave mirror forms an image at a distance of 20 cm when an object is placed 10 cm in front of it. What is the focal length of this mirror?

- Ans**
- ☐ A. 10 cm
 - ☐ B. 40 cm
 - ☐ C. 30 cm
 - ☒ D. 20 cm

Q.17 A 1000 kg car moving at 10 m/s is brought to rest by a constant braking force in 5 s. What is the magnitude of the force?

- Ans**
- ☐ A. 2500 N
 - ☐ B. 3000 N
 - ☐ C. 1500 N
 - ☒ D. 2000 N

Q.18 Which of the following statements are correct about molecular mass?

Statement 1: The molecular mass of a substance is the sum of the atomic masses of all the atoms in a molecule of the substance.

Statement 2: It is also known as the relative mass of a molecule.

Statement 3: It is expressed in atomic mass units (u).

- Ans**
- ☒ A. Statements 1, 2 and 3 are correct.
 - ☐ B. Only statements 1 and 2 are correct.
 - ☐ C. Only Statements 1 and 3 are correct.
 - ☐ D. Only statements 2 and 3 are correct.

Q.19 If an object moves from point A to point B (50 m east) and returns to point A in 10 seconds, its average velocity is:

- Ans**
- ☒ A. 0 m/s
 - ☐ B. -10 m/s
 - ☐ C. 5 m/s
 - ☐ D. 10 m/s

Q.20 If the direction of current in a conductor is reversed, the direction of force on it will:

- Ans**
- ☐ A. remain the same
 - ☐ B. double
 - ☒ C. reverse
 - ☐ D. become zero

Q.21 Which statement correctly represents the location of the meristematic tissue in a plant body?

- Ans**
- ☐ A. At some specific regions
 - ☒ B. At the base of the stem
 - ☐ C. At the tips of the leaves
 - ☐ D. All over the plant body

Q.22 Read the given Assertion (A) and Reason (R) carefully and select the correct option.

(A): Mendel chose pea plants for his experiments because they were easy to grow and showed distinct contrasting traits.

(R): Pea plants reproduce asexually, allowing Mendel to control crosses easily.

- Ans**
- ☐ A. A is false, but R is true
 - ☐ B. Both A and R are true, and R is the correct explanation of A
 - ☐ C. Both A and R are true, but R is not the correct explanation of A
 - ☒ D. A is true, but R is false

Q.23 What is the IUPAC name for an organic compound with two carbon atoms and a hydroxyl (–OH) functional group?

- Ans**
- ☒ A. Ethanol
 - ☐ B. Ethanoic acid
 - ☐ C. Propanone
 - ☐ D. Methanal

Q.24 Suspensions are different from solutions because:

- Ans**
- ☐ A. Their particles do not settle on standing
 - ☐ B. They are transparent
 - ☐ C. Their solute is fully dissolved
 - ☒ D. They can be seen by naked eyes

Q.25 Why is the plasma membrane called selectively permeable?

- Ans**
- ☒ A. It allows only certain substances to pass in or out.
 - ☐ B. It dissolves unwanted materials.
 - ☐ C. It blocks all substances from entering.
 - ☐ D. It allows all substances to pass freely.

Section : Mathematics

Q.26 The present age of Mohan is three times the age of his son Rakesh. Four years ago from now, Mohan's age was four times his son's age at that time. What will be Rakesh's age (in years) after 7 years from now?

- Ans**
- ☐ A. 12
 - ☒ B. 19
 - ☐ C. 36
 - ☐ D. 20

Q.27 $\frac{1}{20}$ is what percentage of $\frac{2}{90}$?

- Ans**
- ☐ A. 240%
 - ☐ B. 235%
 - ☐ C. 450%
 - ☒ D. 225%

Q.28 The arithmetic mean of the observations 53, 63, 79, 40, 34, 88, 34, 25 and 25 is:

- Ans ☒ A. 49
☐ B. 42
☐ C. 44
☐ D. 50

Q.29 If a 2622 m long train crosses a pole in 57 seconds, then find the time (in seconds) taken by the train to cross a 736 m long platform.

- Ans ☐ A. 83
☐ B. 74
☒ C. 73
☐ D. 63

Q.30 A can complete a piece of work in 90 days. B is 75% less efficient than A. C is 80% more efficient than B. If B and C work together for 30 days, A alone will complete the remaining work in:

- Ans ☐ A. 73 days
☐ B. 71 days
☒ C. 69 days
☐ D. 68 days

Q.31 The sides of a triangle are 85 cm, 13 cm, and 84 cm. What is the length of its altitude corresponding to the side with a length of 13 cm?

- Ans ☒ A. 84 cm
☐ B. 101 cm
☐ C. 126 cm
☐ D. 55 cm

Q.32 Bharat buys a gold ring for his mother. The ring is marked at ₹96,000 and is offered with two successive discounts of 25% and Q%, respectively. After receiving both discounts, he pays ₹18,000. Find the value of Q.

- Ans ☐ A. 74
☐ B. 77
☐ C. 76
☒ D. 75

Q.33 A 20-metre-tall building has an observer at the top looking at a point on the ground. If the line of sight to that point makes a downward-facing angle of 45° , what is the horizontal distance from the building's base to that point?

- Ans ☐ A. $20\sqrt{2}$ m
☒ B. 20 m
☐ C. 10 m
☐ D. 40 m

Q.34 Divide ₹8,118 between Ravina and Sarita in the ratio 3 : 15, then find the share of Sarita.

- Ans ☐ A. ₹6,768
☐ B. ₹6,767
☒ C. ₹6,765
☐ D. ₹6,763

Q.35 By selling 20 pens for the cost price of 25 pens, what is the profit percentage?

- Ans**
- ☒ A. 25%
 - ☐ B. 20%
 - ☐ C. 28%
 - ☐ D. 35%

Q.36 The cost of a washing machine is 16% less than the cost of a TV. If the cost of the washing machine increases by 80% and that of the TV decreases by 44%, then what is the percentage change in the total cost of 5 washing machines and 2 TVs?

- Ans**
- ☐ A. Decrease by 38%
 - ☒ B. Increase by 40%
 - ☐ C. Decrease by 37%
 - ☐ D. Increase by 43%

Q.37 A train overtakes two persons walking along a railway track. The first person walks at 10.8 km/hr, and the second person walks at 21.6 km/hr. The train takes 15 seconds and 20 seconds, respectively, to completely pass them. What is the speed of the train if both persons are walking in the same direction as the train?

- Ans**
- ☐ A. 45 km/hr
 - ☐ B. 50 km/hr
 - ☒ C. 54 km/hr
 - ☐ D. 64 km/hr

Q.38 If $2^x = 8$ and $3^y = 27$, find the value of $(2^{x+1} \times 3^{y-2})$.

- Ans**
- ☒ A. 48
 - ☐ B. 144
 - ☐ C. 81
 - ☐ D. 121

Q.39 A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 87 pages?

- Ans**
- ☐ A. 1745
 - ☒ B. 1740
 - ☐ C. 1750
 - ☐ D. 1730

Q.40 The perimeter of a rectangle is 54 cm. Its length is 3 cm more than twice the breadth. Find the breadth.

- Ans**
- ☐ A. 10 cm
 - ☐ B. 6 cm
 - ☒ C. 8 cm
 - ☐ D. 9 cm

Q.41 Akshat and Neha together invested ₹57,000 in a business. At the end of the year, out of a total profit of ₹8,000, Akshat's share was ₹2,200. How much was Akshat's investment?

- Ans**
- ☐ A. ₹17,445
 - ☐ B. ₹16,645
 - ☐ C. ₹15,355
 - ☒ D. ₹15,675

Q.42 The volume of a right circular cylinder is $13,860 \text{ cm}^3$ and circumferen



- Ans ☒ A. 40 cm
☒ B. 53 cm
☒ C. 39 cm
☒ D. 45 cm

Q.43 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Chetan borrowed an amount of ₹2,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Chetan after 3 years.

- Ans ☒ A. 24,000
☒ B. 25,000
☒ C. 25,500
☒ D. 23,500

Q.44 A solid metallic sphere of radius 9 cm is melted and recast into smaller spherical balls, each of radius 3 cm. Find the number of such small balls formed.

- Ans ☒ A. 27
☒ B. 24
☒ C. 32
☒ D. 21

Q.45 After selling an article at a discount of 44%, the profit percentage obtained is 12%. What is the markup percentage?

- Ans ☒ A. 97%
☒ B. 100%
☒ C. 102%
☒ D. 101%

Q.46 A garrison of 1200 men has provisions for 12 days. How long (in days) will the provisions last if the garrison be increased by 600 men?

- Ans ☒ A. 3
☒ B. 8
☒ C. 28
☒ D. 18

Q.47 Find the median of the given data, if the cumulative frequency is 45.

Class Interval	1-11	11-21	21-31	31-41
Frequency	10	11	X	11

- Ans ☒ A. $22\frac{1}{13}$
☒ B. $22\frac{4}{13}$
☒ C. $22\frac{2}{13}$
☒ D. $22\frac{3}{13}$

Q.48 If $a - b = 6$ and $ab = 135$, then find a possible value of $(a + b)$.

- Ans
- ☐ A. 27
 - ☐ B. 23
 - ☒ C. 24
 - ☐ D. 26

Q.49 One pipe can fill a tank in 9 minutes while another pipe can empty the completely filled tank in 36 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans
- ☒ A. 6
 - ☐ B. 7
 - ☐ C. 13
 - ☐ D. 12

Q.50 If 20% of a number is added to 96, then the result is the same number. 70% of the same number is:

- Ans
- ☐ A. 94
 - ☐ B. 104
 - ☐ C. 114
 - ☒ D. 84

Section : General Intelligence and Reasoning

Q.51 In a certain code language,
'A + B' means 'A is the father of B'
'A - B' means 'A is the mother of B'
'A * B' means 'A is the sister of B'
'A ÷ B' means 'A is the wife of B'
Based on the above, how is X related to Q if 'X ÷ Y + Z * P - Q'?

- Ans
- ☐ A. Father's mother
 - ☐ B. Mother
 - ☒ C. Mother's mother
 - ☐ D. Sister

Q.52 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) 6 2 5 4 7 3 9 1 6 7 4 2 1 8 6 4 9 8 3 9 2 7 1 5 1 7 2 (Right)
How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans
- ☐ A. Two
 - ☐ B. More than three
 - ☒ C. Three
 - ☐ D. One

Q.53 In a certain code language, 'bring hot food' is coded as 'cf tk rg' and 'food is good' is coded as 'ml do cf'. How is 'food' coded in that language?

- Ans
- ☐ A. do
 - ☐ B. ml
 - ☐ C. tk
 - ☒ D. cf

Q.54 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CUM150, MEW136, WOG122, GYQ108, ?

- Ans
- ☐ A. QIB94
 - ☐ B. OIA94
 - ☐ C. QCA94
 - ☒ D. QIA94

Q.55 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the right of C. Only three people sit between C and D. Only two people sit between D and G. A sits third to the left of F. B sits to the immediate right of F. How many people sit to the right of B?

- Ans
- ☐ A. 1
 - ☐ B. 3
 - ☒ C. 2
 - ☐ D. 4

Q.56 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 cats are mammals.
No mammals are pets.

Conclusions:

(I) Some pets are cats.
(II) No cat is pet.

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

Q.57 Seven boxes, D, E, F, U, V, W and X, are kept one over the other but not necessarily in the same order. No box is kept above X. Only two boxes are kept between W and V. Only U is kept below E. Only three boxes are kept between E and W. D is not kept immediately above V. How many boxes are kept between F and U?

- Ans
- ☒ A. Two
 - ☐ B. One
 - ☐ C. Three
 - ☐ D. Four

Q.58 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$168 + 42 \times 14 - 9 \div 207 = ?$

- Ans
- ☒ A. 85
 - ☐ B. 77
 - ☐ C. 72
 - ☐ D. 81

Q.59 If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$72\ H\ 8\ G\ 2\ E\ 10\ F\ 5 = ?$$

- Ans** ☒ A. 23
☐ B. 27
☐ C. 25
☐ D. 21

Q.60 What should come in place of the question mark (?) in the given series to make it logically complete?

11 14 19 26 ?

- Ans** ☒ A. 35
☐ B. 32
☐ C. 31
☐ D. 30

Q.61 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 1 4 6 9 3 5 7 7 9 3 8 6 3 4 4 2 4 7 3 3 8 7 2 2 7 1 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. Two
☒ B. One
☐ C. Three
☐ D. Zero

Q.62 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 2 8 4 6 9 5 8 8 7 9 2 6 6 5 8 6 3 1 1 4 4 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☐ A. Two
☒ B. Four
☐ C. One
☐ D. Three

Q.63 NHRX is related to RFVV in a certain way based on the English alphabetical order. In the same way, VDZT is related to ZBDR. To which of the following is DZHP related, following the same logic?

- Ans** ☒ A. HXLN
☐ B. GWKM
☐ C. IYLO
☐ D. GYMO

- Q.64** 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:

All kiwis are bananas.

All bananas are mangoes.

Conclusions:

(I): All kiwis are mangoes.

(II): Some mangoes are bananas.

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

- Q.65** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GLO NSV UZC BGJ ?

- Ans**
- ☒ A. IQW
 - ☒ B. IOP
 - ☒ C. INQ
 - ☒ D. INO

- Q.66** 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?

50 C 30 B 4 A 12 D 27 = ?

- Ans**
- ☒ A. 34
 - ☒ B. 33
 - ☒ C. 35
 - ☒ D. 36

- Q.67** Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order.
No box is kept above D. Only three boxes are kept between D and F. Only one box is kept between G and E. E is kept immediately above F. Only four boxes are kept between G and A. C is kept at some place above B.
How many boxes are kept above C?

- Ans**
- ☒ A. 5
 - ☒ B. 2
 - ☒ C. 4
 - ☒ D. 3

- Q.68** YPMW is related to CLPT in a certain way based on the English alphabetical order. In the same way, GHSQ is related to KDVN. To which of the given options is OZYK related, following the same logic?

- Ans**
- ☒ A. TVAG
 - ☒ B. UWCH
 - ☒ C. RWAJ
 - ☒ D. SVBH

Q.69 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

A sits third to the left of X. Only one person sits between X and C when counted from the left of C. Only two people sit between B and W when counted from the right of W. D is an immediate neighbour of B. Who sits third to the right of Y?

Ans ☒ A. A

☒ B. W

☒ C. D

☒ D. C

Q.70 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(17, 34, 2)

(13, 39, 3)

Ans ☒ A. (14, 42, 4)

☒ B. (12, 60, 5)

☒ C. (11, 55, 3)

☒ D. (15, 25, 2)

Q.71 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only two people sit between F and B when counted from the right of F. Only two people sit between B and A when counted from the right of B. Only three people sit between F and E when counted from the right of F. D sits to the immediate left of C. How many people sit between F and G when counted from the left of F?

Ans ☒ A. 1

☒ B. 4

☒ C. 3

☒ D. 2

Q.72 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 is the letter-cluster that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans ☒ A. CGI

☒ B. XAD

☒ C. JMP

☒ D. ILO

Q.73 What should come in place of the question mark (?) in the given series?
27 51 77 105 135 ?

Ans ☒ A. 170

☒ B. 167

☒ C. 163

☒ D. 162

Q.74 In a certain code language, 'STAR' is coded as '3451' and 'RATE' is coded as '4375'. What is the code for 'E' in the given code language?

- Ans**
- ☒ A. 5
 - ☒ B. 3
 - ☒ C. 7
 - ☒ D. 4

Q.75 GKNE is related to KHRB in a certain way based on the English alphabetical order. In the same way, OEYV is related to SBZV. To which of the given options is WYDS related, following the same logic?

- Ans**
- ☒ A. AVHP
 - ☒ B. BVIO
 - ☒ C. BUGQ
 - ☒ D. ZWIQ

Q.76 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) * + 9 \ / ? > @ 5 5 / ? / 9 * 1 ? # + 6 # (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ A. None
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. One

Q.77 Sarita starts from Point A and drives 8 km towards the west. She then takes a left turn, drives 5 km, turns left and drives 5 km. She then takes a right turn and drives 6 km. She takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ A. 11 km towards the north
 - ☒ B. 16 km towards the west
 - ☒ C. 5 km towards the east
 - ☒ D. 8 km towards the south

Q.78 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 letter-cluster pair 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. KG-LI
 - ☒ B. IE-JG
 - ☒ C. OK-PM
 - ☒ D. MI-NL

Q.79 What should come in place of the question mark (?) in the given series?

4 6 12 14 28 ?

- Ans**
- ☒ A. 31
 - ☒ B. 29
 - ☒ C. 32
 - ☒ D. 30

Q.80 Mr. Akai starts from Point A and drives 2 km towards south. He then takes a right turn, drives 12 km, turns right and drives 21 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 19 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 degrees turns only unless specified)

- Ans**
- ✓ A. 11 km to the west
 - ✗ B. 11 km to the north
 - ✗ C. 7 km to the east
 - ✗ D. 7 km to the west

Section : General Awareness and Current Affairs

Q.81 In April 2025, which of the following cities was hit by a sandstorm causing major flight disruptions?

- Ans**
- ✗ A. Dubai, UAE
 - ✓ B. Basra, Iraq
 - ✗ C. Beijing, China
 - ✗ D. New Delhi, India

Q.82 With which country did India sign a significant defence Memorandum of Understanding (MoU) (through the JCBL Group) in April 2025 which is aimed at bolstering India's domestic defence manufacturing capabilities?

- Ans**
- ✗ A. Japan
 - ✗ B. Egypt
 - ✓ C. Slovakia
 - ✗ D. Qatar

Q.83 Which of the following folk artists became the first dhaki to win a Padma Shri in 2025?

- Ans**
- ✗ A. Anant Nag
 - ✗ B. Mary Kom
 - ✓ C. Gokul Chandra Das
 - ✗ D. Leander Paes

Q.84 In 2025, Shubhanshu Shukla conducted an International Space Station (ISS) experiment with moong and methi seeds to study:

- Ans**
- ✓ A. Seed germination under microgravity conditions
 - ✗ B. Resistance of legumes to common pesticides
 - ✗ C. Soil nutrient cycling under space conditions
 - ✗ D. High-yield oilseed production on Earth

Q.85 Who among the following was awarded the Women's Player of the Year at the AIFF Awards 2025?

- Ans**
- ✗ A. Toijam Thoibisana Chanu
 - ✓ B. Soumya Guguloth
 - ✗ C. Panthoi Chanu
 - ✗ D. Sujata Kar

Q.86 Which of the following states launched Surakshit Shanivar (Safe Saturday), a disaster preparedness initiative for students in June 2025?

- Ans**
- ✗ A. Assam
 - ✗ B. Uttar Pradesh
 - ✗ C. Jharkhand
 - ✓ D. Bihar

Q.87 In February 2025, the Technology Development Board signed an agreement with which company to produce purified pyrolysis oil to make circular plastics and sustainable chemicals?

- Ans**
- ☐ A. Adani Chemicals Ltd, Ahmedabad
 - ☐ B. Tata Chemicals Ltd, Mumbai
 - ☒ C. APChemi Pvt. Ltd, Navi Mumbai
 - ☐ D. Jaypee Chemicals, Jaipur

Q.88 In May 2025, Sudan's army appointed whom among the following as a new Prime Minister after two years of civil war?

- Ans**
- ☒ A. Kamil al-Taib Idris
 - ☐ B. Abdalla Hamdok
 - ☐ C. Osman Hussein
 - ☐ D. Dafallah al-Haj Ali

Q.89 Who is the author of the book 'Wild Fictions: Essays' published in January 2025?

- Ans**
- ☐ A. Aria Aber
 - ☐ B. Nandini Purandare
 - ☐ C. Santanu Bhattacharya
 - ☒ D. Amitav Ghosh

Q.90 Where was the 58th edition of the World Table Tennis Championships held in May 2025?

- Ans**
- ☐ A. Berlin, Germany
 - ☐ B. Tokyo, Japan
 - ☐ C. Paris, France
 - ☒ D. Doha, Qatar

Q.91 As of 2023, how many wildlife sanctuaries are there in India?

- Ans**
- ☐ A. 585
 - ☐ B. 655
 - ☒ C. 573
 - ☐ D. 623

Q.92 In May 2025, which among the following institutions formally announced the creation of the Payments Regulatory Board (PRB), a six-member panel responsible for overseeing the country's payment systems?

- Ans**
- ☐ A. Small Industries Development Bank of India
 - ☒ B. Reserve Bank of India
 - ☐ C. National Bank for Agriculture and Rural Development
 - ☐ D. Securities and Exchange Board of India

Q.93 Where was the 7th Khelo India Youth Games held in May 2025?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Uttar Pradesh
 - ☐ C. New Delhi
 - ☒ D. Bihar

Q.94 In January 2025, who clinched the men's singles title at the India Open 2025 badminton tournament in New Delhi?

- Ans**
- ☐ A. Kento Momota
 - ☒ B. Viktor Axelsen
 - ☐ C. Chen Long
 - ☐ D. Lee Cheuk Yiu

Q.95 What is the main aim of the Youth Spiritual Summit held in Varanasi on the banks of River Ganga in July 2025?

- Ans**
- ☐ A. Promote awareness about river conservation
 - ☒ B. Foster a national resolve against drug abuse
 - ☐ C. Encourage use of digital tools for literacy
 - ☐ D. Support local youth in rural entrepreneurship

Q.96 The 28th National Conference on e-Governance (NCeG) was held in _____ during June 2025.

- Ans**
- ☒ A. Visakhapatnam
 - ☐ B. Bengaluru
 - ☐ C. Kolkata
 - ☐ D. Chennai

Q.97 Where was the headquarters of the National Turmeric Board inaugurated by Union Home Minister Amit Shah in June 2025?

- Ans**
- ☐ A. Kanpur, Uttar Pradesh
 - ☐ B. Mysuru, Karnataka
 - ☒ C. Nizamabad, Telangana
 - ☐ D. Bhopal, Madhya Pradesh

Q.98 With which country did India sign a major defence agreement worth ₹63,000 crore on 28 April 2025, for the acquisition of 26 Rafale-Marine fighter jets?

- Ans**
- ☒ A. France
 - ☐ B. Brazil
 - ☐ C. Russia
 - ☐ D. Denmark

Q.99 In March 2025, the central bank of which country signed a Memorandum of Understanding (MoU) with the Reserve Bank of India (RBI) to enable cross-border transactions in local currencies?

- Ans**
- ☐ A. United Arab Emirates
 - ☐ B. Singapore
 - ☐ C. Sri Lanka
 - ☒ D. Mauritius

Q.100 Where was the 2nd Global Cervical Cancer Elimination Forum held?

- Ans**
- ☐ A. Jakarta, Indonesia
 - ☐ B. Kigali, Rwanda
 - ☒ C. Bali, Indonesia
 - ☐ D. Cartagena, Colombia



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Innovinc Tech Lab
Test Date	08/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is an enzyme that is secreted in the stomach during the process of digestion?

- Ans
- ☒ A. Trypsin
 - ☒ B. Amylase
 - ☒ C. Pepsin
 - ☒ D. Mucus

Q.2 What happens in a longitudinal wave?

- Ans
- ☒ A. Particles oscillate up and down about their mean position
 - ☒ B. Particles oscillate back and forth about their position of rest
 - ☒ C. Particles stay completely still as the wave passes
 - ☒ D. Particles move in circles around their rest position

Q.3 A gun fires a bullet horizontally. Which of the following statements is correct?

- Ans
- ☒ A. Recoil depends on gravity.
 - ☒ B. The bullet exerts no force on the gun.
 - ☒ C. The gun experiences a backward force equal to the forward force on the bullet.
 - ☒ D. The gun experiences a smaller backward force than the bullet's forward force.

Q.4 Which of the following statements is correct about plant's response to environmental stimulus?

- Ans
- ☒ A. Plants have very fine nerves to receive environmental stimulus.
 - ☒ B. Plants have very weak muscles to respond environmental stimulus.
 - ☒ C. Some plants can respond to the stimulus of touch.
 - ☒ D. Plants have special connective tissues to receive environmental stimulus.

Q.5 The method of extraction of a metal depends on its:

- Ans
- ☒ A. Position in the reactivity series
 - ☒ B. Colour
 - ☒ C. Atomic number
 - ☒ D. Mass number

Q.6 Which of the following is a common use of baking soda?

- Ans**
- ☐ A. Increasing acidity in soil beds
 - ☐ B. Preventing bacterial decomposition
 - ☒ C. Neutralising excess stomach acid
 - ☐ D. Reacting with alcohol to make soap

Q.7 A car with a mass of 150 kg is moving at a speed of 36 km/hr. What is the amount of work required to increase its speed to 72 km/hr?

- Ans**
- ☒ A. 22,500 J
 - ☐ B. 37,500 J
 - ☐ C. 7500 J
 - ☐ D. 30,000 J

Q.8 Which rule helps determine the direction of the magnetic field inside a current-carrying loop?

- Ans**
- ☐ A. Fleming's left-hand rule
 - ☐ B. Fleming's right-hand rule
 - ☐ C. Left-hand thumb rule
 - ☒ D. Right-hand thumb rule

Q.9 Which of the following statements is correct?

- Ans**
- ☐ A. The size of the nucleus is large as compared to the size of the atom.
 - ☐ B. The electrons revolve around the nucleus in triangular paths.
 - ☐ C. The electrons do not revolve around the nucleus in circular paths.
 - ☒ D. Electrons have much smaller mass than protons and neutrons.

Q.10 If you apply pressure to a gas, what happens to the intermolecular spaces and forces?

- Ans**
- ☐ A. Intermolecular spaces and forces both increase.
 - ☐ B. Both intermolecular spaces and forces remain unchanged.
 - ☐ C. Intermolecular spaces increase, intermolecular forces decrease.
 - ☒ D. Intermolecular spaces decrease, intermolecular forces increase.

Q.11 White light is incident obliquely on a glass prism, which of the following statement(s) is/are true?

- (i) Red colour undergoes maximum deviation.
- (ii) The speed of violet colour is the least while travelling through the prism.
- (iii) The refractive index of violet is minimum.
- (iv) The refractive index of red is minimum.

- Ans**
- ☐ A. Both (ii) and (iii)
 - ☒ B. Both (ii) and (iv)
 - ☐ C. Both (i) and (iv)
 - ☐ D. Both (i) and (iii)

Q.12 Bohr's model is only applicable to:

- Ans**
- ☒ A. hydrogen
 - ☐ B. lithium
 - ☐ C. helium
 - ☐ D. beryllium

Q.13 A student cannot clearly see objects placed at a distance but can read a book comfortably. The defect in the eye is:

- Ans
- ☐ A. presbyopia
 - ☒ B. myopia
 - ☐ C. hypermetropia
 - ☐ D. astigmatism

Q.14 Why does growth in plants occur only at specific regions?

- Ans
- ☐ A. Because permanent tissues keep dividing throughout the plant
 - ☐ B. Because all plant tissues can divide only once
 - ☐ C. Because all plant cells stop growing after maturity
 - ☒ D. Because meristematic tissues are located only in specific regions

Q.15 In the process of sexual reproduction in flowering plants, what is the primary role of the pistil?

- Ans
- ☐ A. Attracts pollinators with colorful petals
 - ☐ B. Supports the flower with nutrients
 - ☒ C. Receives pollen and houses the ovules for fertilisation
 - ☐ D. Produces pollen grains

Q.16 When touching a hot object with the hand, human beings are able to remove their hand immediately because:

- Ans
- ☐ A. human beings are more intelligent than others
 - ☒ B. human beings are sensitive to the stimulus of touch
 - ☐ C. every living organism can do so
 - ☐ D. human beings are the supreme creatures of the living world

Q.17 What type of bonding exists in most organic compounds?

- Ans
- ☐ A. Coordinate
 - ☐ B. Metallic
 - ☒ C. Covalent
 - ☐ D. Ionic

Q.18 Which of the following can be considered a reason for Mendel's success in formulating laws of inheritance?

- Ans
- ☐ A. He had knowledge of mathematics.
 - ☐ B. He had supernatural power.
 - ☒ C. He was a well-trained scientist.
 - ☐ D. He was a monk.

Q.19 During the Chlor-Alkali process, which of the following products is NOT obtained directly from the electrolysis of brine?

- Ans
- ☐ A. Sodium hydroxide solution
 - ☐ B. Chlorine gas at the anode
 - ☐ C. Hydrogen gas at the cathode
 - ☒ D. Sodium metal deposited at the cathode

Q.20 Now a days, which of the following petroleum products is used in place of coal-tar for metalling the roads?

- Ans
- ☐ A. Naphthalene
 - ☒ B. Bitumen
 - ☐ C. Paraffin wax
 - ☐ D. Coke

Q.21 Which statement is INCORRECT about a household electric circuit?

- Ans**
- ☐ A. A fuse protects the circuit from excessive current.
 - ☒ B. Current through each appliance is the same.
 - ☐ C. A fuse is always connected in the live wire.
 - ☐ D. All appliances are connected in parallel.

Q.22 Two objects are being accelerated — one has a mass of 3 kg and is accelerated at 4 m/s², and the other has a mass of 5 kg and is accelerated at 2 m/s². Which one needs a greater force to move?

- Ans**
- ☐ A. It cannot be determined without knowing the distance
 - ☐ B. The 5 kg object
 - ☒ C. The 3 kg object
 - ☐ D. Both require the same force

Q.23 Which non-metal exhibits a lustrous shine like metals?

- Ans**
- ☐ A. Chlorine
 - ☐ B. Sulphur
 - ☐ C. Flourine
 - ☒ D. Iodine

Q.24 A block exerts a thrust of 500 N on a surface of area 0.25 m². The pressure exerted by the block is ____.

- Ans**
- ☐ A. 500 N/m²
 - ☐ B. 125 N/m²
 - ☒ C. 2000 N/m²
 - ☐ D. 250 N/m²

Q.25 In which part of the female reproductive system is the egg fertilised by sperm?

- Ans**
- ☐ A. Vagina
 - ☒ B. Fallopian tube
 - ☐ C. Uterus
 - ☐ D. Ovary

Section : Mathematics

Q.26 Two numbers are in the ratio 5 : 7. Find the sum of the numbers, if their HCF is 23.

- Ans**
- ☐ A. 284
 - ☐ B. 236
 - ☒ C. 276
 - ☐ D. 258

Q.27 The amount on a sum of ₹2,500 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹3,714
 - ☒ B. ₹3,025
 - ☐ C. ₹3,623
 - ☐ D. ₹2,895

Q.28 A trader sells a watch at a loss of 28%. If he had sold it for ₹280 more, he would have made neither a profit nor a loss. What is the cost price of the watch?

- Ans** ☒ A. ₹1,000
☐ B. ₹1,400
☐ C. ₹1,200
☐ D. ₹800

Q.29 A man standing on the line joining the feet of two towers of heights 10 m, 15 m observes the top of the towers with the angles of elevation 45° and 60° , respectively. What is the distance (in metres) between the feet of two towers (take $\sqrt{3} = 1.73$)?

- Ans** ☐ A. 15.75
☒ B. 18.65
☐ C. 20.25
☐ D. 16.54

Q.30 A person saves 60% of his income. If his expenditure is ₹520, then his income (in ₹) is:

- Ans** ☐ A. 1208
☒ B. 1300
☐ C. 1340
☐ D. 1312

Q.31 If the radius of a sphere is decreased by 25% and becomes 6 cm, find the decrease in its volume.

- Ans** ☐ A. $662\frac{1}{3}\pi \text{ cm}^3$
☐ B. $450\frac{1}{4}\pi \text{ cm}^3$
☐ C. $574\frac{3}{4}\pi \text{ cm}^3$
☒ D. $394\frac{2}{3}\pi \text{ cm}^3$

Q.32 In a triangle with sides 12 units, 5 units and 13 units, the perpendiculars are drawn from all vertices. The length of the smallest perpendicular (in units) is:

- Ans** ☒ A. $\frac{60}{13}$
☐ B. $\frac{73}{13}$
☐ C. $\frac{50}{13}$
☐ D. $\frac{40}{13}$

Q.33 If third proportional of 9 and 60 be x, then what is the value of x?

- Ans** ☐ A. 401
☐ B. 398
☒ C. 400
☐ D. 402

Q.34 Two trains are moving in opposite directions at speeds of 50 km/hr and 90 km/hr. The length of one train is 430 m. The time taken by them to cross each other is 31 seconds. The length (in m) of the other train, rounded off to 2 decimal places, is:

- Ans** ☒ A. 775.56
☐ B. 786.76
☐ C. 781.49
☐ D. 765.66

Q.35 The average of the first 7 odd natural numbers is:

- Ans** ☐ A. 8
☐ B. 6
☐ C. 3.5
☒ D. 7

Q.36 In 330 litres solution of acid and water, the ratio of acid and water is 1:2. How many litres of acid must be added to it to get the solution in which the ratio of acid and water is 8:5?

- Ans** ☐ A. 241
☐ B. 243
☐ C. 240
☒ D. 242

Q.37 A shop that sells towels has offers going on, wherein customers can buy 2 towels and get 3 free. What is the percentage discount that the customer gets?

- Ans** ☐ A. 70%
☐ B. 65%
☐ C. 55%
☒ D. 60%

Q.38 The ratio of the present ages of Shreya and her mother is 3 : 5 and the ratio of present ages of her mother and her grandmother is 10 : 13. If the average age of Shreya, her mother and her grandmother is 58 years, then find the present age of her mother.

- Ans** ☒ A. 60 years
☐ B. 78 years
☐ C. 84 years
☐ D. 36 years

Q.39 If $\frac{4x}{0.75^2 - 0.25^2} = 0.5$, find the value of x.

- Ans** ☐ A. 0.03125
☒ B. 0.0625
☐ C. 0.0975
☐ D. 0.125

Q.40 A child inflates a balloon, increasing its size by 50%. Later, while tying it, the balloon's size decreases by 20%. What is the overall percentage change in the size of the balloon?

- Ans** ☐ A. 10% (decrement)
☐ B. 10% (increment)
☐ C. 20% (decrement)
☒ D. 20% (increment)

- Q.41 Pipe P can fill $\frac{4}{5}$ part of a tank in 28 hours and pipe Q can fill $\frac{2}{3}$ part open for 7 hours, then both were closed. Pipe R alone was then opened. Pipes P, Q and R together can fill the empty tank in:

Ans ☐ A. 26 hours
☒ B. 45 hours
☐ C. 53 hours
☐ D. 64 hours

- Q.42 If $x^{2m} \times y^5 \times \frac{x^2}{y^{m-1}} = (y^2 x^3)^2$, find the value of m.

Ans ☒ A. 2
☐ B. 1
☐ C. 3
☐ D. 4

- Q.43 The average age of 44 students of a class is 34 years. If the age of the teacher is also included, the average age of the whole group becomes 35 years. The age (in years) of the teacher is:

Ans ☐ A. 78
☐ B. 76
☐ C. 77
☒ D. 79

- Q.44 After selling an article at a discount of 37%, the profit percentage obtained is 50%. What is the mark-up percentage (rounded off to two decimal places)?

Ans ☒ A. 138.10%
☐ B. 140.46%
☐ C. 136.35%
☐ D. 140.41%

- Q.45 In an election, four candidates received 1242, 832, 1426 and 1100 votes, respectively. The difference between the winning candidate's votes percentage and runner up candidate vote percentage is:

Ans ☐ A. 3%
☒ B. 4%
☐ C. 5%
☐ D. 6%

- Q.46 Simplify: $\left(\frac{4}{7}\right)^2 - \frac{1}{7} + \frac{1}{3.5} + 5\frac{2}{7}$

Ans ☐ A. $5\frac{2}{49}$
☐ B. $4\frac{37}{49}$
☐ C. $4\frac{1}{7}$
☒ D. $5\frac{37}{49}$

Q.47 The diameter of a hemispherical bowl is 11.2 cm. How many litres of
(Use $\pi = \frac{22}{7}$ and round off your answer to three decimal places)

- Ans
- ☐ A. 2.380 litres
 - ☒ B. 0.368 litres
 - ☐ C. 0.525 litres
 - ☐ D. 3.168 litres

Q.48 Two trains, 133 m and 227 m long, are moving in the same direction at speeds of 93 km/hr and 51 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

- Ans
- ☐ A. 9 seconds
 - ☐ B. $25\frac{5}{7}$ seconds
 - ☐ C. 18 seconds
 - ☒ D. $30\frac{6}{7}$ seconds

Q.49 The marks of P are 10 more than the marks of Q. The marks of Q are 10 more than half of the marks of P. The marks of Q are ____.

- Ans
- ☐ A. 20
 - ☐ B. 40
 - ☐ C. 36
 - ☒ D. 30

Q.50 One pipe can fill a tank in 10 minutes while another pipe can empty the completely filled tank in 20 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans
- ☐ A. 11
 - ☐ B. 20
 - ☒ C. 10
 - ☐ D. 21

Section : General Intelligence and Reasoning

Q.51 Each of the digits in the number 7123458 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans
- ☐ A. 6
 - ☐ B. 11
 - ☒ C. 9
 - ☐ D. 8

Q.52 Himangi starts from Point A and drives 2 km towards the east. She then takes a right turn, drives 7 km, turns left and drives 9 km. She then takes a left turn and drives 3 km. She takes a final left turn, drives 11 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans
- ☐ A. 3 km towards the east
 - ☐ B. 4 km towards the south
 - ☐ C. 3 km towards the west
 - ☒ D. 4 km towards the north

Q.53 Rajesh ranked 38th from the top and 27th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 62
 - ☐ B. 63
 - ☐ C. 65
 - ☒ D. 64

Q.54 Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 3 @ 2 ^ @ % \ 8 9 \ / ? 8 7 6 # & # + 7 \ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ A. One
 - ☐ B. None
 - ☐ C. Two
 - ☐ D. Three

Q.55 In a certain code language, 'speak the truth' is coded as 'pc rd st' and 'truth always wins' is coded as 'mo st kl'. How is 'truth' coded in the given language?

- Ans**
- ☐ A. kl
 - ☐ B. mo
 - ☒ C. st
 - ☐ D. pc

Q.56 What should come in place of the question mark (?) in the given series?

3 13 24 36 49 ?

- Ans**
- ☐ A. 53
 - ☐ B. 56
 - ☒ C. 63
 - ☐ D. 60

Q.57 What should come in place of the question mark (?) in the given series?

191 177 163 149 135 ?

- Ans**
- ☐ A. 130
 - ☒ B. 121
 - ☐ C. 133
 - ☐ D. 117

Q.58 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 conclusion(s) logically follow(s) from the statements.

Statements:

All apples are fruits.
Some fruits are sweet.

Conclusions:

(I) Some apples are sweet.

(II) All sweet are apples.

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.59 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ✓ A. PL-IM

✗ B. MI-FK

✗ C. HD-AF

✗ D. JF-CH

Q.60 O, P, Q, R, W, X, and Y are sitting in a straight line facing the north. No one sits to the left of P. Only four people sit between P and Q. Only three people sit to the right of Y. X sits to the immediate left of R. W is not an immediate neighbour of Y. Who sits third to the left of W?

Ans ✗ A. O

✗ B. Q

✓ C. Y

✗ D. R

Q.61 In a certain code language, 'some good questions' is coded as 'jm ik cd' and 'many good problems' is coded as 'cd rc gh'. How is 'good' coded in the given language?

Ans ✗ A. jm

✗ B. rc

✗ C. ik

✓ D. cd

Q.62 Town U is to the north of Town V. Town W is to the east of Town U. Town X is to the south of Town W. Town Y is to the west of Town X. Town V is to the south-west of Town Y. What is the position of Town U with respect to Town Y?

Ans ✓ A. North-west

✗ B. South-west

✗ C. South-east

✗ D. North-east

Q.63 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 8 5 9 6 5 4 1 7 1 6 7 8 6 6 3 5 3 6 9 4 4 9 2 7 2 7 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans ☒ A. 6
☒ B. 7
☒ C. 9
☒ D. 8

Q.64 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:

All roads are trucks.

No truck is a sheep.

Conclusions:

(I) Some roads are sheep.

(II) All trucks are sheep.

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

Q.65 In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the father of B',
A * B means 'A is the husband of B', and
A ÷ B means 'A is the sister of B'.

Based on the above, how is P related to T if 'P - Q ÷ R * S + T'?

- Ans ☒ A. Mother's Father
☒ B. Father's brother
☒ C. Father's Father
☒ D. Father

Q.66 What should come in place of the question mark (?) in the given series?

8, 64, 9, 81, 10, 100, 11, 121, ?, 144

- Ans ☒ A. 8
☒ B. 12
☒ C. 11
☒ D. 9

Q.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LNT 81, PKP 75, THL 69, XEH 63, ?

- Ans ☒ A. ACD 55
☒ B. BAC 55
☒ C. BBD 57
☒ D. CAE 57

- Q.68** Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 2 1 6 9 1 9 6 4 2 4 4 6 7 6 4 1 8 7 9 2 4 4 7 6 8 7 2 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 3
☒ B. 4
☒ C. 2
☒ D. 5

- Q.69** 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 letter-cluster pair 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. SX-UR
☒ B. QV-SO
☒ C. OT-QM
☒ D. MR-OK

- Q.70** Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 8 4 2 8 3 5 1 4 1 5 1 1 9 8 3 5 5 9 4 6 9 6 1 1 9 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☒ A. 1
☒ B. 3
☒ C. 2
☒ D. 0

- Q.71** Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NH-PJ-RT
LF-NH-PR

- Ans** ☒ A. JD-LF-NP
☒ B. JD-LF-NO
☒ C. ID-LF-NO
☒ D. ID-LE-NO

- Q.72** Seven boxes A, B, C, D, I, J and K are kept one over the other but not necessarily in the same order. Only B is kept above I. Only C is kept between I and J. Only A is kept below K. How many boxes are kept between D and A?

- Ans** ☒ A. Four
☒ B. Two
☒ C. Three
☒ D. One

Q.73 MU 4 is related to PO -10 in a certain way. In the same way, DL 8 is related to GF -6. To which of the given options is HP 12 related, following the same logic?

- Ans**
- ☒ A. UH -4
 - ☒ B. NJ 5
 - ☒ C. KJ -2
 - ☒ D. RT -1

Q.74 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only three people sit to the right of C. Only four people sit between A and B, neither of whom sits on the left end. D sits immediately to the left of F. Only three people sit between G and B. How many people sit between F and G?

- Ans**
- ☒ A. 1
 - ☒ B. 4
 - ☒ C. 3
 - ☒ D. 2

Q.75 Each of the digits in the number 8312467 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ A. 9
 - ☒ B. 6
 - ☒ C. 7
 - ☒ D. 8

Q.76 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?

$$64 A 8 C 4 B 11 D 3 = ?$$

- Ans**
- ☒ A. 49
 - ☒ B. 48
 - ☒ C. 47
 - ☒ D. 50

Q.77 A, B, C, R, S, T and U are sitting around a circular table, facing the centre of the table. R is the immediate neighbour of both C and T. T sits third to the left of U. B sits to the immediate left of U. S is not an immediate neighbour of T. Who sits second to the right of A?

- Ans**
- ☒ A. S
 - ☒ B. B
 - ☒ C. C
 - ☒ D. U

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(15, 28, 64)
(63, 76, 112)

- Ans**
- ☒ A. (74, 87, 123)
 - ☒ B. (44, 57, 83)
 - ☒ C. (159, 172, 207)
 - ☒ D. (82, 95, 132)

Q.79 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

IC-LF-NP
KE-NH-PR

- Ans**
- ☐ A. MG-PJ-RU
 - ☐ B. NG-PI-RU
 - ☐ C. NG-PJ-RU
 - ☒ D. MG-PJ-RT

Q.80 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EWR ASN WOJ SKF ?

- Ans**
- ☒ A. OGB
 - ☐ B. OGY
 - ☐ C. OVB
 - ☐ D. OBC

Section : General Awareness and Current Affairs

Q.81 In 2025, which of the following states emerged as the national leader in mangrove afforestation, covering 19020 hectares in just two years under the Centre's 'MISHTI' scheme, launched in 2023?

- Ans**
- ☐ A. Kerala
 - ☐ B. Uttar Pradesh
 - ☐ C. Maharashtra
 - ☒ D. Gujarat

Q.82 In which sport did Indian athletes secure a mixed relay medal at the 2025 Asian Indoor Games?

- Ans**
- ☐ A. Wrestling
 - ☐ B. Shooting
 - ☒ C. Mixed relay
 - ☐ D. Swimming

Q.83 The state government of which of the following states, in September 2025, mandated a child protection policy in all residential schools and hostels?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Andhra Pradesh
 - ☒ C. Karnataka
 - ☐ D. Kerala

Q.84 Who announced the launch of India's first homegrown semiconductor chip in May 2025?

- Ans**
- ☐ A. Piyush Goyal
 - ☐ B. Nirmala Sitharaman
 - ☒ C. Ashwini Vaishnaw
 - ☐ D. Rajeev Chandrasekhar

Q.85 Which lake, known as India's longest and a Ramsar site in Kerala is currently facing severe ecological degradation?

- Ans**
- ☐ A. Loktak Lake
 - ☐ B. Chilika Lake
 - ☒ C. Vembanad Lake
 - ☐ D. Pulicat Lake

Q.86 Who among the following was elected as the 80th president of United Nations General Assembly (UNGA) in June 2025?

- Ans**
- ☐ A. Dennis Francis
 - ☒ B. Annalena Baerbock
 - ☐ C. Philemon Yang
 - ☐ D. Volkan Bozkır

Q.87 Which cabinet minister of India in June 2025 held bilateral talks with Dong Jun of China at the conclave of the Shanghai Cooperation Organization (SCO) in the Chinese port city of Qingdao, with a focus on maintaining peace and tranquillity along the Line of Actual Control (LAC)?

- Ans**
- ☒ A. Raj Nath Singh
 - ☐ B. Manohar Lal
 - ☐ C. Gajendra Singh Shekhawat
 - ☐ D. Amit Shah

Q.88 As per the Union Budget 2025-26, what is the target for nuclear power capacity of India by 2047?

- Ans**
- ☒ A. 100GW
 - ☐ B. 80GW
 - ☐ C. 50GW
 - ☐ D. 150GW

Q.89 Which organ under MHA launched the e-Zero FIR system for cyber-fraud cases?

- Ans**
- ☐ A. State Police of India
 - ☐ B. Central Bureau of Investigation
 - ☐ C. Cyber Appellate Tribunal
 - ☒ D. Indian Cyber Crime Coordination Centre (I4C)

Q.90 22 March 2025 marks which important regional day in Bihar?

- Ans**
- ☐ A. Bihar Liberation Day
 - ☒ B. Bihar Statehood Day
 - ☐ C. Bihar Brotherhood Day
 - ☐ D. Bihar Reorganisation Day

Q.91 The new ₹20 note announced by the Reserve Bank of India in May 2025 is part of

- Ans**
- ☒ A. Mahatma Gandhi (New) Series
 - ☐ B. Gandhi Heritage Series
 - ☐ C. Azadi Ka Amrit Mahotsav Series
 - ☐ D. Mahatma Gandhi (Old) Series

Q.92 The ICC Under-19 Women's T20 World Cup 2025 was played in Malaysia in January 2025. Which team won the tournament?

- Ans**
- ☐ A. Australia
 - ☒ B. India
 - ☐ C. England
 - ☐ D. South Africa

Q.93 Which of the following cities in Gujarat houses the Veer Savarkar Sports Complex, inaugurated by Union Home Minister Amit Shah in September 2025?

- Ans**
- ☒ A. Ahmedabad
 - ☐ B. Vadodara
 - ☐ C. Rajkot
 - ☐ D. Surat

Q.94 What is a distinguishing feature of "Krutu", launched in 2025 by Ola's Krutrim?

- Ans**
- ☐ A. It is designed only for navigation services in rural areas.
 - ☐ B. It works solely with proprietary hardware provided by Ola.
 - ☐ C. It is optimized only for English language interfaces.
 - ☒ D. It supports voice and text in multiple Indian languages.

Q.95 Where did Neeraj Chopra achieve his national record throw of 90.23 m in 2025?

- Ans**
- ☐ A. World Athletics Championships
 - ☒ B. Doha Diamond League
 - ☐ C. Commonwealth Games
 - ☐ D. Tokyo Olympics

Q.96 Which of the following ministries launched the State Health Regulatory Excellence Index (SHRESTH), a first-of-its-kind national initiative to benchmark and strengthen state drug regulatory systems through a transparent, data-driven framework in August 2025?

- Ans**
- ☐ A. Ministry of Ayush
 - ☒ B. Ministry of Health and Family Welfare
 - ☐ C. Ministry of Chemicals and Fertilizers
 - ☐ D. Ministry of Science and Technology

Q.97 In June 2025, Canada signed a historic defence agreement with which of the following to strengthen cooperation amid global tensions?

- Ans**
- ☒ A. European Union
 - ☐ B. BRICS
 - ☐ C. African Union
 - ☐ D. ASEAN

Q.98 As per the Economic Survey 2024-25, what corpus amount has been launched under the Self-Reliant India (SRI) Fund for MSMEs?

- Ans**
- ☒ A. ₹50,000 crore
 - ☐ B. ₹25,000 crore
 - ☐ C. ₹75,000 crore
 - ☐ D. ₹1 lakh crore

Q.99 The Indian Navy conducted the fifth edition of the Indo-Indonesian Joint Maritime Drill 'Samudra Shakti - 2025' between 14 and 17 October 2025 at ____.

- Ans**
- ☐ A. Mumbai
 - ☐ B. Chennai
 - ☐ C. Kochi
 - ☒ D. Visakhapatnam

Q.100 What is the sports budget allocation for India for the 2025-26 fiscal year?

- Ans**
- ☐ A. ₹1,794.30 crore
 - ☒ B. ₹3,794.30 crore
 - ☐ C. ₹4,394.20 crore
 - ☐ D. ₹2,594.30 crore



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone IDZ Thrissur
Test Date	08/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 When the current in a circuit is doubled, keeping resistance constant, the power dissipated in the resistor becomes:

- Ans ☒ A. Half
☒ B. One-fourth
☒ C. Four times
☒ D. Double

Q.2 At maturity, an organism breaks into smaller pieces, which grow into new individuals. What is this process called?

- Ans ☒ A. Budding
☒ B. Fragmentation
☒ C. Fusion
☒ D. Fission

Q.3 A car driver uses a concave mirror as a shaving mirror at home. If his face is kept close to the mirror, how will the image formed be?

- Ans ☒ A. Real, inverted, and smaller than the face
☒ B. Real, inverted, and larger than the face
☒ C. Virtual, erect, and diminished
☒ D. Virtual, erect, and magnified

Q.4 According to Bohr's model of the atom, electrons in an atom:

- Ans ☒ A. revolve around the nucleus in elliptical orbits and emit energy continuously
☒ B. are stationary in the atom and emit energy when struck by photons
☒ C. are embedded in a positively charged sphere like plums in a pudding
☒ D. revolve in fixed circular orbits and do not radiate energy while in these orbits

Q.5 Which of the following non-metals is found liquid at room temperature?

- Ans ☒ A. Nitrogen
☒ B. Iodine
☒ C. Bromine
☒ D. Phosphorous

- Q.6** A train is moving along a straight track with a speed of 54 km/hr. It stops after traveling 150 m. The magnitude of its acceleration is:
- Ans** ☒ A. 0.75 m/s^2
☐ B. 1 m/s^2
☐ C. 2 m/s^2
☐ D. 1.5 m/s^2
- Q.7** Which of the following statements correctly explains the continuous movement of particles of matter?
- Ans** ☒ A. Particles of matter are continuously moving due to their kinetic energy.
☐ B. Particles of matter move only in gases and not in solids or liquids.
☐ C. Particles of matter are too heavy to move.
☐ D. Particles of matter are stationary unless force is applied.
- Q.8** A light is travelling from a denser medium A to a rarer medium B. What will be the unit of refractive index of medium B with respect to medium A?
- Ans** ☐ A. metre
☒ B. No unit
☐ C. (metre) $^{-1}$
☐ D. (metre) 2
- Q.9** The generation of heat in a conductor due to electric current is known as:
- Ans** ☒ A. Joule's heating
☐ B. electromagnetic induction
☐ C. electrolysis
☐ D. Ohm's Law
- Q.10** While cleaning the school campus, students are asked to separate biodegradable waste. Which of the following should be placed in the biodegradable bin?
- Ans** ☐ A. A crushed cold drink can
☐ B. Glass bottle
☐ C. Polythene bag
☒ D. Wooden pencil shavings
- Q.11** Which of the following features is seen in every cell under a microscope?
- Ans** ☒ A. Cell membrane
☐ B. Lysosome
☐ C. Chromosome
☐ D. Mitochondria
- Q.12** Which of the following statements is NOT correct?
- Ans** ☒ A. Loudness depends on frequency
☐ B. Soft sound has small amplitude
☐ C. Loudness depends on amplitude
☐ D. Loud sound has large amplitude
- Q.13** Which substances are selectively reabsorbed in the nephron?
- Ans** ☐ A. Urea and carbon dioxide
☒ B. Glucose, amino acids, and water
☐ C. Bile and hydrochloric acid
☐ D. Platelets and enzymes

Q.14 The potential energy of a body depends on which of the following?

- Ans
- ☐ A. Mass only
 - ☒ B. Both mass and height
 - ☐ C. Speed
 - ☐ D. Height only

Q.15 Which of the following is the compound produced by the action of chlorine on dry slaked lime (Ca(OH)_2)?

- Ans
- ☐ A. washing soda
 - ☐ B. bleaching soda
 - ☐ C. common salt
 - ☒ D. bleaching powder

Q.16 A cyclist performing uniform circular motion throws an apple in his direction, the apple moves in a _____.

- Ans
- ☐ A. straight line path opposite to the cyclist
 - ☐ B. circular path as the cyclist
 - ☐ C. circular path opposite to the cyclist
 - ☒ D. tangential path to the circular path at that point

Q.17 Which of the following is secreted directly into the blood and carried to different parts of the body?

- Ans
- ☒ A. Adrenaline
 - ☐ B. Saliva
 - ☐ C. Pancreatic juice
 - ☐ D. Bile juice

Q.18 Which of the following metals is most likely to be found in the free state in nature due to its low reactivity?

- Ans
- ☐ A. Zinc
 - ☐ B. Iron
 - ☐ C. Copper
 - ☒ D. Gold

Q.19 Which of the following is the common name for ethanol ($\text{C}_2\text{H}_5\text{OH}$)?

- Ans
- ☐ A. Methyl alcohol
 - ☐ B. Butyl alcohol
 - ☒ C. Ethyl alcohol
 - ☐ D. Isopropyl alcohol

Q.20 An object is thrown vertically upwards with velocity u . Under the influence of gravity, the acceleration:

- Ans
- ☐ A. increases the upward velocity
 - ☐ B. acts in the direction of motion
 - ☐ C. becomes zero at the highest point
 - ☒ D. acts opposite to the direction of motion

Q.21 What is molecular mass of carbon dioxide?

- Ans
- ☒ A. 44
 - ☐ B. 38
 - ☐ C. 22
 - ☐ D. 42

Q.22 Which of the following pairs of human male chromosome is mismatched in size?

- Ans**
- ☒ A. Sex chromosomes
 - ☐ B. Twentieth pair autosomes
 - ☐ C. Thirteenth pair autosomes
 - ☐ D. First pair autosomes

Q.23 What are the products formed when an acid reacts with a metal hydrogen carbonate?

- Ans**
- ☐ A. Base + Hydrogen gas
 - ☐ B. Salt + Hydrogen gas
 - ☒ C. Salt + Water + Carbon dioxide
 - ☐ D. Salt + Oxygen + Carbon

Q.24 What is the primary advantage of cross-pollination over self-pollination?

- Ans**
- ☒ A. Introduces genetic variations, which improves chances of survival in progeny
 - ☐ B. Produces progeny that is identical to parent
 - ☐ C. Requires less energy input for generating the progeny
 - ☐ D. Does not depend on pollinating agents for producing progeny

Q.25 Which of the following is NOT present in animal cells?

- Ans**
- ☐ A. Nucleus
 - ☒ B. Chloroplast
 - ☐ C. Cytoplasm
 - ☐ D. Plasma membrane

Section : Mathematics

Q.26 The sides of a triangle are 75 cm, 44 cm, and 35 cm. What is the length of its altitude corresponding to the side with a length of 44 cm?

- Ans**
- ☐ A. 45 cm
 - ☒ B. 21 cm
 - ☐ C. 26 cm
 - ☐ D. 50 cm

Q.27 A, B, and C can do a piece of work in 3, 3, and 3 days respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans**
- ☒ A. 3
 - ☐ B. 9
 - ☐ C. 4
 - ☐ D. 6

Q.28 Train P, going at the speed of 51 km/hr, completely passes Train Q of length 225 m, going in the same direction on parallel tracks, at 22 km/hr, in 7.5 minutes. How much time (in seconds) will P take to completely cross Train R of length 420 m, going at 21 km/hr in the opposite direction?

- Ans**
- ☒ A. 191
 - ☐ B. 193
 - ☐ C. 181
 - ☐ D. 196

Q.29 Sohan purchased 25 dozens of toys at the rate of ₹480 per dozen. He sold each one of them at the rate of ₹45. What was his percentage profit?

- Ans**
- ☐ A. 11.5%
 - ☐ B. 14.5%
 - ☒ C. 12.5%
 - ☐ D. 10.5%

Q.30 Consider two triangles, ABC and XYZ. In triangle ABC, the base is 21 cm and the other two sides are 17 cm and 10 cm, respectively. In triangle XYZ, the base is two-thirds the base of triangle ABC and has an altitude of 5 cm. Find the sum of the areas of triangles ABC and XYZ.

- Ans**
- ☐ A. 136.5 cm²
 - ☐ B. 108 cm²
 - ☒ C. 119 cm²
 - ☐ D. 124.5 cm²

Q.31 An Uber auto covers a distance of 680 km in 17 hours. What is its speed in km/hr?

- Ans**
- ☒ A. 40
 - ☐ B. 34
 - ☐ C. 43
 - ☐ D. 32

Q.32 The sum of seven consecutive numbers is 168. What is the sum of the largest and the smallest numbers?

- Ans**
- ☒ A. 48
 - ☐ B. 46
 - ☐ C. 45
 - ☐ D. 49

Q.33 The income of Raman is ₹70,900. He saves 12% of his income. If his income increases by 39% and expenditure increases by 50%, then his savings will:

- Ans**
- ☐ A. increase by ₹3,546
 - ☐ B. increase by ₹3,548
 - ☐ C. decrease by ₹3,550
 - ☒ D. decrease by ₹3,545

Q.34 The average age of 50 students in a class is 29 years. If the age of the teacher is also included, the average age of the whole group becomes 30 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 82
 - ☐ B. 85
 - ☐ C. 83
 - ☒ D. 80

Q.35 A cistern is normally filled in 12 hours but takes 2 hours longer to fill because of a leak in its bottom. If the cistern is full, then in how much time will the leak empty the tank?

- Ans**
- ☐ A. 48 hours
 - ☐ B. 124 hours
 - ☐ C. 120 hours
 - ☒ D. 84 hours

Q.36 In an election between two candidates, 20% of the total votes were declared invalid. The winning candidate received 70% of the valid votes and won by a margin of 12,400 votes. Find the total number of registered voters.

- Ans** ☒ A. 38,750
☒ B. 11,625
☒ C. 38,000
☒ D. 27,125

Q.37 If the mean proportional of A and 50 is 40, then find the value of A.

- Ans** ☒ A. 32
☒ B. 33
☒ C. 31
☒ D. 30

Q.38 Simplify: $21^3 + 13^3 - 34^3 + 3 \times 21 \times 13 \times 34$

- Ans** ☒ A. 68
☒ B. 9282
☒ C. 0
☒ D. 1

Q.39 A certain sum of money amounts to ₹7,040 in 2 years and ₹8,000 in 5 years on simple interest. Find the principal.

- Ans** ☒ A. ₹6,550
☒ B. ₹6,200
☒ C. ₹6,400
☒ D. ₹5,800

Q.40 The product of the present ages of Seema and Jyoti is 3,952 years, and their present age ratio is 19 : 13. Find the difference in the ages (in years) of Seema and Jyoti.

- Ans** ☒ A. 16
☒ B. 24
☒ C. 22
☒ D. 18

Q.41 Aman and Yogita together invested ₹59,200 in a business. At the end of the year, out of a total profit of ₹8,000, Aman's share was ₹1,400. How much was Aman's investment?

- Ans** ☒ A. ₹8,610
☒ B. ₹11,385
☒ C. ₹10,360
☒ D. ₹11,915

Q.42 Simplify $3 \times 5 + 8 - 15 \div 3 - 12 + 72 \div 8 \times 5 - 32$.

- Ans** ☒ A. 19
☒ B. 28
☒ C. 72
☒ D. 45

Q.43 Find the HCF of 27, 54 and 108.

- Ans** ☒ A. 9
☒ B. 27
☒ C. 54
☒ D. 18

Q.44 The areas of three adjacent faces of a solid cuboid are 108 cm^2 , 60 cm^2 and 45 cm^2 . What is the volume (in cm^3) of the cuboid?

- Ans
- ☐ A. 332
 - ☒ B. 540
 - ☐ C. 296
 - ☐ D. 686

Q.45 The value of $\left(\frac{0.896 \times 0.763 + 0.896 \times 0.237}{0.7 \times 0.064 + 0.7 \times 0.936} \right)$ is:

- Ans
- ☐ A. 12.8
 - ☐ B. 128
 - ☐ C. 0.128
 - ☒ D. 1.28

Q.46 Manoj got a new curtain at 20% discount. If Manoj did not get any discount, Manoj would have to pay ₹664 extra. So how much did Manoj pay for the curtain?

- Ans
- ☐ A. ₹2,655
 - ☐ B. ₹2,654
 - ☒ C. ₹2,656
 - ☐ D. ₹2,657

Q.47 A credit card payment that will settle a bill for 383 mixers at ₹1,000 per mixer with successive discounts of 25% and 20% with a further discount of 13% on card payment is:

- Ans
- ☒ A. ₹1,99,926
 - ☐ B. ₹1,99,915
 - ☐ C. ₹1,99,908
 - ☐ D. ₹1,99,918

Q.48 The average of the first 5 odd natural numbers is:

- Ans
- ☐ A. 4
 - ☐ B. 6
 - ☒ C. 5
 - ☐ D. 2.5

Q.49 $\frac{1}{20}$ is what percentage of $\frac{11}{40}$ (rounded off to two decimal places)?

- Ans
- ☐ A. 33.18%
 - ☐ B. 36.36%
 - ☐ C. 28.18%
 - ☒ D. 18.18%

Q.50 The angle of elevation of the top of a tree at a distance of 60 m from its foot on a horizontal plane is found to be 30° . Find the height of the tree.

- Ans
- ☒ A. $20\sqrt{3}$ m
 - ☐ B. $10\sqrt{3}$ m
 - ☐ C. $15\sqrt{3}$ m
 - ☐ D. $40\sqrt{3}$ m

Q.51 Refer to the following number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 1 3 5 8 5 5 5 4 8 9 4 2 8 9 7 6 7 6 3 5 8 5 7 2 5 6 8 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 8
☒ B. 5
☒ C. 7
☒ D. 6

Q.52 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 cakes are samosas.
All samosas are buns.

Conclusions:

(I): Some cakes are buns.
(II): All buns are samosas.

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

Q.53 XYBX is related to WXAW in a certain way based on the English alphabetical order. In the same way, QRUQ is related to PQTP. To which of the given options is RSVR related, following the same logic?

- Ans** ☒ A. QRUQ
☒ B. QSTZ
☒ C. QQTQ
☒ D. QRTQ

Q.54 Refer to the number series given below and answer the question that follows. Counting to be done from left to right only. (NOTE: All numbers are single-digit numbers only.)

(Left) 3 7 2 4 2 8 2 5 3 2 9 4 5 5 9 6 5 3 3 4 6 3 3 5 3 6 9 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 3
☒ B. 4
☒ C. 5
☒ D. 6

Q.55 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?

$$14 \text{ B } 2 \text{ D } 18 \text{ A } 9 \text{ C } 12 = ?$$

- Ans
- ☒ A. 40
 - ☒ B. 38
 - ☒ C. 36
 - ☒ D. 39

Q.56 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.
A sits fourth to the left of Y. W sits fourth to the right of C. Only two people sit between Y and C when counted from the left of Y. X is not an immediate neighbour of W or Y. D is not an immediate neighbour of X. Who sits third to the right of B?

- Ans
- ☒ A. C
 - ☒ B. Y
 - ☒ C. D
 - ☒ D. A

Q.57 This question is based on the five, three-digit numbers given below.

(Left) 551 214 483 409 581 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)
(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans
- ☒ A. 12
 - ☒ B. 16
 - ☒ C. 11
 - ☒ D. 10

Q.58 If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$19 - 16 \div 128 + 32 \times 4 = ?$$

- Ans
- ☒ A. 413
 - ☒ B. 424
 - ☒ C. 429
 - ☒ D. 433

Q.59 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 letter-cluster pair 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. RD - VB
 - ☒ B. KP - ON
 - ☒ C. BM - FJ
 - ☒ D. QL - UJ

Q.60 What should come in place of the question mark (?) in the given series?

2 4 12 48 ? 1440

- Ans**
- ☒ A. 224
 - ☒ B. 240
 - ☒ C. 422
 - ☒ D. 420

Q.61 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: All shirts are trousers. All trousers are pants. No pant is a coat.

Conclusion (I) : No shirt is a coat.

Conclusion (II) : No trouser is a coat.

- Ans**
- ☒ A. Both follow
 - ☒ B. Only I follows
 - ☒ C. Neither follows
 - ☒ D. Only II follows

Q.62 A, B, C, D, E, F and G are sitting around a circular table facing the centre. D is the immediate neighbour of G and A. F sits second to the left of G. E is the immediate neighbour of C and A.

How many people sit between C and B when counted from the left of B?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Four

Q.63 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

OPT-XYC

DEI-MNR

- Ans**
- ☒ A. CDH-LMQ
 - ☒ B. CCF-LMQ
 - ☒ C. CDH-KMP
 - ☒ D. CCF-KLP

Q.64 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

DTM44, HQJ40, LNG36, ?

- Ans**
- ☒ A. QJD32
 - ☒ B. PKC34
 - ☒ C. PKD32
 - ☒ D. QJC33

Q.65 Mr. Z starts from Point A and drives 17 km towards the South. He then takes a left turn, drives 18 km, then turns left and drives 41 km. He then takes a left turn and drives 27 km, then turns left and drives 15 km. He then takes a right turn and drives 7 km. He takes a final left turn, drives 9 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. 16 km to the east
☐ B. 17 km to the west
☐ C. 17 km to the east
☐ D. 16 km to the west

Q.66 Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order. K is kept second from the bottom. Only three boxes are kept between K and I. D is kept at one of the positions below K. Only B is kept between I and J. A is kept at one of the positions above I. How many boxes are kept between C and D?

- Ans** ☐ A. Four
☐ B. Two
☒ C. One
☐ D. Three

Q.67 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 30, 15)
(21, 189, 9)

- Ans** ☒ A. (4, 40, 10)
☐ B. (46, 969, 21)
☐ C. (13, 263, 20)
☐ D. (45, 543, 12)

Q.68 A, B, C, E, F, P and Q are sitting around a circular table facing the centre. F sits third to the left of C. Only one person sits between C and P when counted from the left of P. Only two people sit between B and E when counted from the right of E. A is an immediate neighbour of B. Who sits to the immediate left and right of Q, respectively?

- Ans** ☐ A. P and B
☐ B. F and A
☐ C. P and C
☒ D. C and P

Q.69 What should come in place of the question mark (?) in the given series?
283 261 239 217 195 ?

- Ans** ☒ A. 173
☐ B. 165
☐ C. 180
☐ D. 169

Q.70 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

GHK-JKN
TUX-WXA

- Ans**
- ☒ A. QRU-SUW
 - ☒ B. QQS-TUX
 - ☒ C. QQS-STW
 - ☒ D. QRU-TUX

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DRA111, NBK97, XLU83, HVE69, ?

- Ans**
- ☒ A. RFO55
 - ☒ B. RFQ55
 - ☒ C. SFO55
 - ☒ D. RGO55

Q.72 What should come in place of the question mark (?) in the given series?

5 6 10 19 35 60 ?

- Ans**
- ☒ A. 93
 - ☒ B. 69
 - ☒ C. 96
 - ☒ D. 99

Q.73 In a certain code language,
'A + B' means 'A is the father of B'
'A - B' means 'A is the mother of B'
'A × B' means 'A is the sister of B'
'A ÷ B' means 'A is the brother of B'
Based on the above, how is P related to T if 'P - Q ÷ R + S × T'?

- Ans**
- ☒ A. Father's sister
 - ☒ B. Sister
 - ☒ C. Mother's sister
 - ☒ D. Father's mother

Q.74 In a row of 39 people facing north, Sangeeta is 14th from the left end. If Meghana sits 11th to the right of Sangeeta, then what is Meghana's position from the right end of the row?

- Ans**
- ☒ A. 17
 - ☒ B. 15
 - ☒ C. 11
 - ☒ D. 10

Q.75 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 is the letter-cluster that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. LKO
 - ☒ B. DCG
 - ☒ C. TSW
 - ☒ D. VVY

Q.76 In a certain code language, 'the chef cooks' is coded as 'ae tr ds' and 'she cooks food' is coded as 'fp qz tr'. How is 'cooks' coded in that language?

- Ans** ☒ A. tr
☒ B. ds
☒ C. qz
☒ D. ae

Q.77 A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	8	2	\$	9	3	&	7	@	6	+	5	#	4
Codes	T	P	G	R	W	S	C	N	L	J	H	K	A	Y

Conditions:

- (i) If the first element is a symbol and the last element a number, the codes for these two (the first and last elements) are to be interchanged.
(ii) If both the second and third elements are multiples of 2, the third element is to be coded as the code for the second element.
(iii) If the second element is an odd number and the last element a symbol, the second and last elements are to be coded as *.

What will be the code for the following group?

& 4 8 \$ #

- Ans** ☒ A. CPPRA
☒ B. C*PR*
☒ C. CYYRA
☒ D. AYPRC

Q.78 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?

6 C 8 B 8 A 32 D 1 = ?

- Ans** ☒ A. 9
☒ B. 8
☒ C. 4
☒ D. 7

Q.79 Mr. Akai starts from Point A and drives 12 km towards west. He then takes a left turn, drives 15 km, turns left and drives 20 km. He then takes a left turn and drives 28 km. He takes a final left turn, drives 8 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 degrees turns only unless specified)

- Ans** ☒ A. 10 km to the east
☒ B. 15 km to the north
☒ C. 13 km to the south
☒ D. 12 km to the north

Q.80 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 2 1 5 8 6 1 5 4 7 3 6 6 4 9 1 4 3 1 5 6 3 4 2 2 8 8 (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. 2
 - ☒ B. 3
 - ☐ C. 4
 - ☐ D. 5

Section : General Awareness and Current Affairs

Q.81 Which of the following was the main theme of the conference organised by the National Minorities Development and Finance Corporation in Mumbai in May 2025?

- Ans
- ☐ A. Leadership Training for Minority Women
 - ☒ B. Entrepreneurship for Minorities
 - ☐ C. Innovation in Religious Institutions
 - ☐ D. Financial Planning for Small Businesses

Q.82 Which renowned personality received the 2025 Templeton Prize for promoting science and spirituality?

- Ans
- ☐ A. William Lane Craig
 - ☐ B. Francis Collins
 - ☐ C. Jean Vanier Patriarch Bartholomew
 - ☒ D. Ecumenical Patriarch Bartholomew

Q.83 On 31 May 2025, which of the following banks of India waived the minimum balance requirement on all savings accounts?

- Ans
- ☒ A. Canara Bank
 - ☐ B. Bank of India
 - ☐ C. Indian Bank
 - ☐ D. Punjab National Bank

Q.84 Which of the following is a state-of-the-art infrastructure, disaster-resilient facility launched by the Government of India in June 2025 for strengthening disaster preparedness and response mechanisms?

- Ans
- ☒ A. Integrated Control Room for Emergency Response
 - ☐ B. National Disaster Coordination Hub
 - ☐ C. Advanced Disaster Response and Monitoring Facility
 - ☐ D. Centralised Crisis Management Centre

Q.85 In February 2025, which company partnered with Roche Diagnostics for a self-sampling HPV DNA test in India?

- Ans
- ☐ A. Max Healthcare
 - ☐ B. Fortis Healthcare
 - ☐ C. Apollo Hospitals
 - ☒ D. Metropolis Healthcare

- Q.86 Who won the Sportstar of the Year (Male) award at the Sportstar Aces Awards 2025?**
- Ans** ☐ A. Virat Kohli
☐ B. Rohit Sharma
☒ C. PR Sreejesh
☐ D. Neeraj Chopra
- Q.87 In April 2025, DRDO's Defense Research and Development Laboratory (DRDL) unit had successfully completed a long-duration ground test of an advanced scramjet combustor in _____.**
- Ans** ☐ A. Lucknow
☐ B. Ahmedabad
☐ C. Bhopal
☒ D. Hyderabad
- Q.88 Which book, launched by Union Minister Dharmendra Pradhan at the World Book Fair 2025, is part of the PM YUVA 2.0 scheme?**
- Ans** ☐ A. Death of a Gentleman
☐ B. Indian Renaissance: The Modi Decade
☐ C. The Elsewhereans
☒ D. The Saga of Kudopali
- Q.89 Which Indian captain won the IPL 2025 in his debut season as skipper?**
- Ans** ☐ A. Sai Sudharsan
☒ B. Rajat Patidar
☐ C. Suryakumar Yadav
☐ D. Krunal Pandya
- Q.90 International Labour Day 2025 was celebrated globally on which of the following dates?**
- Ans** ☒ A. May 1
☐ B. May 2
☐ C. April 30
☐ D. May 3
- Q.91 The Reserve Bank of India launched the PRAVAAH portal with effect from _____.**
- Ans** ☐ A. 1 July 2025
☐ B. 1 June 2025
☒ C. 1 May 2025
☐ D. 1 April 2025
- Q.92 The Defense Research and Development Organisation (DRDO) lab in which city has created an advanced polymeric membrane designed for high-pressure desalination of sea water in May 2025?**
- Ans** ☐ A. Hyderabad
☐ B. Pune
☒ C. Kanpur
☐ D. Bengaluru

Q.93 The Andhra Pradesh government rejected Telangana's demand for a 50 : 50 share of Krishna river water in January 2025. Currently, what is the water sharing ratio between Andhra Pradesh and Telangana?

- Ans**
- ☐ A. 55 : 45
 - ☒ B. 66 : 34
 - ☐ C. 60 : 40
 - ☐ D. 70 : 30

Q.94 Where was the 2025 Wimbledon tennis tournament held?

- Ans**
- ☐ A. New York, USA
 - ☐ B. Melbourne, Australia
 - ☐ C. Paris, France
 - ☒ D. London, United Kingdom

Q.95 What scientific activity is NOT planned on Axiom-4?

- Ans**
- ☐ A. Studying the effects of short spaceflights on joints and blood flow
 - ☒ B. Testing crewed docking with a lunar base at Indian space station
 - ☐ C. Understanding the effects on blood stem cells during spaceflight
 - ☐ D. Examining microgravity's impact on the brain and cognitive risks

Q.96 Who authored the book Memories and Milestones, documenting 60 years of Blue Cross of India, launched in 2025?

- Ans**
- ☐ A. Justice PN Prakash and V Sriram
 - ☐ B. Lashman and Maneka Gandhi
 - ☒ C. V Sriram and Lashman
 - ☐ D. Maneka Sanjay Gandhi and AL Somayaji

Q.97 In 2025, which Ministry of Defence initiative aimed to modernise the armed forces in cyber, AI, and integrated command?

- Ans**
- ☒ A. Year of Reforms
 - ☐ B. Make in India
 - ☐ C. Operation Cold Start
 - ☐ D. Digital India in Defence

Q.98 Which national team claimed their first-ever title at the 2025 IIHF Women's Asia Cup?

- Ans**
- ☐ A. Japan
 - ☐ B. India
 - ☐ C. China
 - ☒ D. Philippines

Q.99 As of July 2025, what is the duration of the Revised Green India Mission (GIM) Plan released in 2025?

- Ans**
- ☐ A. 2022-2029
 - ☐ B. 2020-2025
 - ☒ C. 2021-2030
 - ☐ D. 2025-2035

Q.100 In October 2025, which state government launched the State Climate Action Tracker alongside district-level decarbonization action plans?

- Ans**
- ☐ A. Kerala
 - ☒ B. Tamil Nadu
 - ☐ C. Gujarat
 - ☐ D. Meghalaya



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Shri Sai Taj Polytechnic Nagpur
Test Date	08/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which mechanism leads to the folding of Mimosa pudica leaves when they are touched?

- Ans ☒ A. Change in temperature of the leaves
☒ B. Change in the water content of leaf cells
☒ C. Change in light intensity at leaf surface
☒ D. Change in pH of leaf cells

Q.2 In a purely resistive circuit, the electrical energy supplied by the battery is:

- Ans ☒ A. stored as potential energy
☒ B. completely dissipated as heat
☒ C. converted only into light
☒ D. stored as magnetic energy

Q.3 A particle starts from rest and moves with uniform acceleration. Which of the following represents the correct velocity-time graph for the particle?

- Ans ☒ A. A straight line passing through the origin with positive slope
☒ B. A straight line passing through the origin with negative slope
☒ C. A parabola
☒ D. A horizontal line

Q.4 An object with a mass of 10.0 kg is initially moving at a velocity of 3.0 m/s in the positive direction of its motion for 5.0 s. What is the final velocity of the object?

- Ans ☒ A. -12.0 m/s
☒ B. +18.0 m/s
☒ C. 0 m/s
☒ D. +12.0 m/s

Q.5 Which of the following substances burn without a flame?

- Ans**
- ☒ A. Charcoal
 - ☐ B. Petrol
 - ☐ C. LPG
 - ☐ D. Wax

Q.6 Which of the following statements correctly describes the process of budding in organisms like Hydra?

- Ans**
- ☐ A. A bud forms from a broken body part and grows into a new organism.
 - ☒ B. A bud forms as an outgrowth due to repeated cell division and detaches when mature.
 - ☐ C. A bud forms only during sexual reproduction and fuses with the parent organism.
 - ☐ D. A bud forms from specialised cells inside the organism and remains attached for life.

Q.7 A common characteristic in all double displacement reaction is:

- Ans**
- ☐ A. only one product is formed
 - ☐ B. the reaction requires heat to initiate
 - ☐ C. the reaction mixture is always colourless
 - ☒ D. exchange of metal ions between two metal salts

Q.8 Which metal is placed just above copper in the reactivity series?

- Ans**
- ☐ A. Iron
 - ☐ B. Zinc
 - ☒ C. Lead
 - ☐ D. Aluminium

Q.9 Which of the following best describes the nutrition process in amoeba?

- Ans**
- ☐ A. Ingestion → Egestion → Absorption → Digestion
 - ☒ B. Ingestion → Digestion → Absorption → Egestion
 - ☐ C. Diffusion → Ingestion → Digestion → Absorption
 - ☐ D. Absorption → Ingestion → Digestion → Egestion

Q.10 When the height of an object is doubled, its potential energy becomes:

- Ans**
- ☒ A. double
 - ☐ B. half
 - ☐ C. triple
 - ☐ D. zero

Q.11 Plastic waste has increased a lot in a city over the last 10 years. Which habit of people is most likely causing this?

- Ans**
- ☒ A. People are using more disposable items instead of long-lasting ones.
 - ☐ B. Plastic bags have been banned.
 - ☐ C. More people are using buses and trains.
 - ☐ D. People are choosing reusable things.

Q.12 Which of the following cell organelles help(s) in cellular reproduction?

- Ans**
- ☐ A. Plastids
 - ☒ B. Nucleus
 - ☐ C. Lysosomes
 - ☐ D. Endoplasmic Reticulum

Q.13 Which of the following is essential for the propagation of sound waves?

- Ans
- ☐ A. Magnet
 - ☒ B. Medium
 - ☐ C. Vacuum
 - ☐ D. Light source

Q.14 What type of image is formed by a concave mirror when the object is placed at infinity?

- Ans
- ☒ A. Highly diminished, real and inverted
 - ☐ B. Highly enlarged and virtual
 - ☐ C. Enlarged, virtual and upright
 - ☐ D. Same size as the object and real

Q.15 The mode of cell division by which germ cells get half the amount of DNA as compared to non-reproductive cells is called ____.

- Ans
- ☐ A. Budding
 - ☒ B. Meiosis
 - ☐ C. Mitosis
 - ☐ D. Amitosis

Q.16 Why does carbon form covalent bonds instead of ionic bonds?

- Ans
- ☒ A. It is energetically unfavourable to lose or gain 4 electrons.
 - ☐ B. Carbon can easily gain or lose 4 electrons.
 - ☐ C. It has a very large atomic radius.
 - ☐ D. Carbon has 8 valence electrons.

Q.17 When calcium oxide reacts with water, the product formed is:

- Ans
- ☐ A. calcium carbonate
 - ☐ B. calcium chloride
 - ☒ C. calcium hydroxide
 - ☐ D. calcium sulphate

Q.18 Consider the following statements and select the correct option.

Statement 1: A fuse is connected in series in an electric circuit.

Statement 2: A fuse wire melts when the current exceeds a safe limit.

- Ans
- ☐ A. Only Statement 1 is correct.
 - ☒ B. Both Statements 1 and 2 are correct.
 - ☐ C. Only Statement 2 is correct.
 - ☐ D. Both Statements 1 and 2 are incorrect.

Q.19 When particles of two different types of matter randomly mix due to the inherent random movement of particles, the process is called:

- Ans
- ☐ A. effusion
 - ☒ B. diffusion
 - ☐ C. homogenisation
 - ☐ D. intermixing

Q.20 Which part in the neuron i.e. nervous tissue is responsible for protein synthesis?

- Ans
- ☐ A. Axon
 - ☐ B. Synaptic bulb
 - ☐ C. Dendrites
 - ☒ D. Nissl granules

Q.21 The molecular mass of HNO_3 is 63 atomic mass unit (u). What is atomic mass of oxygen (O)?

- Ans**
- ☒ A. 16u
 - ☐ B. 48u
 - ☐ C. 32u
 - ☐ D. 8u

Q.22 When light ray passes from a rarer medium to a denser medium, it _____.

- Ans**
- ☒ A. bends towards the normal
 - ☐ B. bends at a 90° angle
 - ☐ C. does not bend at all
 - ☐ D. bends away from the normal

Q.23 When an object falls freely near the Earth, the direction of its motion:

- Ans**
- ☐ A. changes continuously
 - ☒ B. remains the same
 - ☐ C. becomes horizontal
 - ☐ D. becomes opposite to gravity

Q.24 What does the atomic number of an element represent?

- Ans**
- ☐ A. Total number of electrons and protons
 - ☒ B. Number of protons in an atom
 - ☐ C. Mass number of the atom
 - ☐ D. Number of neurons in an atom

Q.25 Mendel conducted his experiments on which plant?

- Ans**
- ☐ A. Tomato
 - ☐ B. Sunflower
 - ☐ C. Bean plant
 - ☒ D. Pea plant

Section : Mathematics

Q.26 In an equilateral triangle ABC of side 18 cm, what is the sum (in cm) of the perpendicular distances of the centroid G from the sides of the triangle?

- Ans**
- ☐ A. $12\sqrt{3}$
 - ☐ B. $6\sqrt{3}$
 - ☒ C. $9\sqrt{3}$
 - ☐ D. $3\sqrt{3}$

Q.27 What is the mode of the data 20, 21, 15, 16, 20, 17, 18, 16, 15, 14, 19, 20, 18, 14, and 20?

- Ans**
- ☐ A. 21
 - ☒ B. 20
 - ☐ C. 19
 - ☐ D. 18

Q.28 Find the largest number that divides 555, 703, 999 and 1147 leaving the same remainder in each case.

- Ans ☒ A. 137
☒ B. 148
☒ C. 89
☒ D. 74

Q.29 Simplify the following.

$$\frac{8^{21} \div 4^{28} \times 2^5}{(4^{14})^{\frac{1}{7}} \times 8^2}$$

- Ans ☒ A. 4
☒ B. 16
☒ C. 8
☒ D. 2

Q.30 If $A : B = 4 : 6$ and $B : C = 7 : 10$, then $A : B : C$ is:

- Ans ☒ A. 14 : 21 : 30
☒ B. 14 : 31 : 21
☒ C. 14 : 23 : 40
☒ D. 14 : 12 : 30

Q.31 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Vijay borrowed an amount of ₹4,80,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Vijay after 3 years.

- Ans ☒ A. 50,400
☒ B. 49,900
☒ C. 51,900
☒ D. 51,400

Q.32 DMART is offering Buy 2, get 29 free on grocery items. What is the net percentage discount being offered by DMART? (Correct up to two decimal places)

- Ans ☒ A. 93.55%
☒ B. 92.67%
☒ C. 97.4%
☒ D. 95.63%

Q.33 Quadrilateral ABCD has sides $AB = 9$ m, $BC = 12$ m, $CD = 14$ m and $DA = 13$ m, taken in order. If $\angle ABC = 90^\circ$, find the area (in m^2) of quadrilateral ABCD.

- Ans ☒ A. 128
☒ B. 135
☒ C. 138
☒ D. 148

Q.34 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 57% and that of the TV decreases by 74%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- Ans ☒ A. Decrease by 1%
☒ B. Decrease by 5%
☒ C. Increase by 5.2%
☒ D. Increase by 4.6%

Q.35 Pipes A and B can fill 50% of a tank in 15 and 10 minutes, respectively. There is also an emptying pipe C attached to the tank. If all the three pipes are opened together, the tank is filled in 15 minutes. If the tank is two-third filled, then in how much time (in minutes) C alone will empty the tank completely?

- Ans**
- ☐ A. 60
 - ☐ B. 30
 - ☒ C. 40
 - ☐ D. 20

Q.36 Two trains are moving in opposite directions at speeds of 130 km/hr and 60 km/hr, respectively. The length of one train is 360 m. The time taken by them to cross each other is 12 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

- Ans**
- ☐ A. 282.54
 - ☐ B. 269.96
 - ☒ C. 273.33
 - ☐ D. 277.92

Q.37 A 275-metre-long train crosses a platform thrice its length in 44 seconds. What is the speed of the train in km/hr?

- Ans**
- ☒ A. 90
 - ☐ B. 81
 - ☐ C. 85
 - ☐ D. 98

Q.38 A father is 30 years older than his son. After 5 years, he will be twice as old as his son. Find the son's present age.

- Ans**
- ☐ A. 27 years
 - ☒ B. 25 years
 - ☐ C. 22 years
 - ☐ D. 20 years

Q.39 A number is divided into two parts, such that one part is 10 more than the other. If the two parts are in the ratio 5 : 3, find the two parts of the number.

- Ans**
- ☒ A. 25 and 15
 - ☐ B. 27 and 17
 - ☐ C. 26 and 16
 - ☐ D. 24 and 14

Q.40 A trader purchased a bundle of 15 notebooks for ₹1,200 and sold the entire bundle for ₹1,040. The loss incurred is equal to the cost price of how many notebooks?

- Ans**
- ☐ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☒ D. 2

Q.41 If the value of 13% of 16% of x is 59.28, then the value of x is:

- Ans**
- ☐ A. 2690
 - ☐ B. 2580
 - ☐ C. 2760
 - ☒ D. 2850

Q.42 The area of a trapezium is 54 sq.units. Its parallel sides are $3x + 1$ units and $2x + 2$ units, respectively. The distance between the parallel sides is $3y$ units and $x - y = 1$. Find the sum of parallel sides.

- Ans
- ☐ A. 16 units
 - ☐ B. 12 units
 - ☐ C. 22 units
 - ☒ D. 18 units

Q.43 Find the value of $\tan 30^\circ \times \cos 30^\circ$.

- Ans
- ☐ A. $\frac{1}{\sqrt{2}}$
 - ☐ B. $\frac{\sqrt{3}}{2}$
 - ☒ C. $\frac{1}{2}$
 - ☐ D. 1

Q.44 If $x + \frac{1}{x} = 13$, then the value of $(x^2 + \frac{1}{x^2})$ is:

- Ans
- ☐ A. 169
 - ☐ B. 163
 - ☒ C. 167
 - ☐ D. 171

Q.45 A shopkeeper marks his goods at X% above the cost price and sells them at a discount of 40%. If he makes a profit of 62%, find the value of X.

- Ans
- ☐ A. 168
 - ☐ B. 171
 - ☒ C. 170
 - ☐ D. 169

Q.46 Given that C is the third proportional of 16 and B. If B is the sum of the first three even natural numbers, then find the value of C.

- Ans
- ☐ A. 8.49
 - ☒ B. 9.0
 - ☐ C. 11.74
 - ☐ D. 7.55

Q.47 In a college election, the valid votes for candidates X and Y were in the ratio 7 : 2. The college had 1800 registered voters, of which 20% did not cast their votes and 20% of the votes cast were declared invalid. What is the difference in the number of votes secured by candidates X and Y?

- Ans
- ☐ A. 459
 - ☒ B. 640
 - ☐ C. 256
 - ☐ D. 896

Q.48 The sum of the first 12 prime numbers is:

- Ans
- ☐ A. 202
 - ☒ B. 197
 - ☐ C. 199
 - ☐ D. 201

Q.49 If the mode of the given data is $133\frac{2}{11}$ cm., find the value of X.

Height (in cm)	125 -	130 -	135 -	140 -	145 -
	130	135	140	145	150
Number of girls	7	14	X	10	9

- Ans ☐ A. 12
☐ B. 15
☒ C. 10
☐ D. 11

Q.50 A, B and C can do a piece of work in 2, 6 and 12 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans ☐ A. 5
☐ B. 12
☒ C. 4
☐ D. 8

Section : General Intelligence and Reasoning

Q.51 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 mangoes are bananas.
 No banana is a kiwi.

Conclusions:

(I): All bananas are mangoes.
 (II): No mango is a kiwi.

- Ans ☐ A. Only II follows
☐ B. Only I follows
☐ C. Both follow
☒ D. Neither follows

Q.52 YPMG is related to VKJB in a certain way based on the English alphabetical order. In the same way, MVAM is related to JQXH. To which of the following options is DGRX related, following the same logic?

- Ans ☐ A. ABPO
☒ B. ABOS
☐ C. ABOI
☐ D. APLO

Q.53 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

QUT-XBA

YCB-FJI

- Ans ☐ A. ILJ-OSR
☐ B. ILJ-PTS
☒ C. IML-PTS
☐ D. IML-OTR

Q.54 P, Q, R, S, T and U are sitting around a circular table facing the centre. R sits on the immediate left of U. S sits second to the right of T. P sits second to the left of R. How many people sit between R and Q when counted from the right of R?

- Ans**
- ☐ A. 0
 - ☐ B. 2
 - ☐ C. 3
 - ☒ D. 1

Q.55 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 letter-cluster pair 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. JM-QK
 - ☐ B. MP-TN
 - ☐ C. SV-ZT
 - ☒ D. PS-WR

Q.56 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 7 3 6 1 9 8 4 4 8 6 1 9 1 6 5 5 5 5 1 4 1 8 4 4 3 3 7 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☒ D. 3

Q.57 In a certain code language,
A + B means 'A is the daughter of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.
Based on the above, how is D related to J if 'D + F - G ÷ H x J'?

- Ans**
- ☐ A. Wife's father's brother's wife
 - ☐ B. Wife's mother's brother's daughter
 - ☐ C. Wife's mother's brother's wife
 - ☒ D. Wife's father's brother's daughter

Q.58 A man starts from Point A and drives 9 km towards north. He then takes a right turn, drives 15 km, turns right and drives 18 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 9 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 degrees turns only unless specified)

- Ans**
- ☒ A. 8 km to the east
 - ☐ B. 7 km to the west
 - ☐ C. 5 km to the north
 - ☐ D. 6 km to the south

- Q.59** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 1 8 3 3 1 5 4 8 5 1 4 4 9 5 9 6 8 7 3 5 3 6 6 9 (Right)

How many such numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by a perfect square? (Note: 1 is also a perfect square.)

- Ans** ☐ A. One
☐ B. Three
☐ C. Five
☒ D. Four

- Q.60** Aman starts from Point M and drives 8 km towards the north. He then takes a left turn, drives 5 km, turns left and drives 13 km. He then takes a right turn and drives 5 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 10 km and stops at Point P. How far (shortest distance) and in which direction is Point P with respect to Point M? (All turns are 90-degree turns only unless specified.)

- Ans** ☐ A. 9 km towards the south
☒ B. 11 km towards the north
☐ C. 3 km towards the north
☐ D. 6 km towards the south

- Q.61** Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 8 3 5 8 4 7 3 3 4 9 9 1 8 5 4 9 2 6 4 7 2 5 1 2 1 4 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 3
☐ B. 5
☐ C. 4
☒ D. 2

- Q.62** 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:

All Zucchini's are Leeks.

All Leeks are Radishes.

Some Radishes are Celeries.

Conclusions:

(I) All Leeks are Celeries.

(II) Some Radishes are Zucchini's.

- 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.63 In a certain code language, 'iron hip cheek' is coded as 'nn nu qw' and 'mud iron globe' is coded as 'nu yx mt'. How is 'iron' coded in the given language?

- Ans**
- ☐ A. qw
 - ☐ B. nn
 - ☐ C. yx
 - ☒ D. nu

Q.64 In a certain code language, 'OVAL' is coded as '9573' and 'LAVS' is coded as '3657'. What is the code for 'S' in the given code language?

- Ans**
- ☐ A. 3
 - ☐ B. 5
 - ☐ C. 7
 - ☒ D. 6

Q.65 Which letter cluster will replace the question mark (?) to complete the given series?

IDR GEO EFL CGI ?

- Ans**
- ☐ A. BGF
 - ☐ B. BHE
 - ☒ C. AHF
 - ☐ D. AHE

Q.66 What should come in place of the question mark (?) in the given series to make it logically complete?

10 20 31 43 56 ?

- Ans**
- ☐ A. 66
 - ☒ B. 70
 - ☐ C. 63
 - ☐ D. 62

Q.67 Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order.

Only A is kept above I. Only two boxes are kept between I and C. Only K is kept below J. D is not kept immediately above C.

How many boxes are kept between B and K?

- Ans**
- ☒ A. Two
 - ☐ B. Four
 - ☐ C. Three
 - ☐ D. One

Q.68 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$223 \div 4 + 164 \times 2 - 37 = ?$$

- Ans**
- ☒ A. 847
 - ☐ B. 837
 - ☐ C. 826
 - ☐ D. 811

Q.69 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

MP33 KN41 IL49 GJ57 ?

- Ans**
- ☒ A. EG65
 - ☒ B. EH65
 - ☒ C. EH66
 - ☒ D. EG66

Q.70 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. HE-JF
 - ☒ B. NK-PL
 - ☒ C. FC-HE
 - ☒ D. KH-MI

Q.71 Each of the digits in the number 3728645 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. 9
 - ☒ C. 11
 - ☒ D. 7

Q.72 What should come in place of the question mark (?) in the given series?

20 25 15 20 10 ?

- Ans**
- ☒ A. 5
 - ☒ B. 25
 - ☒ C. 20
 - ☒ D. 15

Q.73 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 22, 26)

(11, 40, 44)

- Ans**
- ☒ A. (16, 55, 59)
 - ☒ B. (16, 66, 70)
 - ☒ C. (17, 58, 54)
 - ☒ D. (13, 32, 36)

Q.74 What should come in place of the question mark (?) in the given series?

73 63 53 43 33 ?

- Ans**
- ☐ A. 22
 - ☒ B. 23
 - ☐ C. 21
 - ☐ D. 24

Q.75 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 51784563, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. None
 - ☒ D. Three

Q.76 Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 7 8 7 4 1 3 5 2 3 2 6 9 3 6 1 7 1 1 8 8 6 2 6 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☐ A. Two
 - ☒ B. Three
 - ☐ C. Four
 - ☐ D. One

Q.77 A, B, C, E, F, P and Q are sitting around a circular table facing the centre. A sits fourth to the left of C. P sits fourth to the right of B. Only two people sit between C and B when counted from the left of C. E is not an immediate neighbour of P or B. F is not an immediate neighbour of P. Who sits third to the right of Q?

- Ans**
- ☐ A. B
 - ☐ B. P
 - ☒ C. F
 - ☐ D. C

Q.78 Seven boxes, A, B, C, D, I, J and K, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept between A and C. Only B is kept above K. No box is kept below C. J is kept at some place below D but at some place above I. Which box is kept third above I?

- Ans**
- ☐ A. C
 - ☐ B. A
 - ☐ C. K
 - ☒ D. D

Q.79 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. A sits third to the left of X. Only one person sits between X and C when counted from the left of C. Only two people sit between B and W when counted from the right of W. D is an immediate neighbour of B. Who sits third to the right of Y?

- Ans**
- ☐ A. D
 - ☐ B. W
 - ☐ C. C
 - ☒ D. A

Q.80 SGHE is related to XCMA in a certain way based on the English alphabetical order. In the same way, CYRW is related to HUWS. To which of the following is MQBO related, following the same logic?

- Ans
- ☐ A. SNHL
 - ☐ B. QLFJ
 - ☒ C. RMGK
 - ☐ D. SLGM

Section : General Awareness and Current Affairs

Q.81 When did Defence Research and Development Organisation (DRDO) and the Indian Navy conduct the successful flight-test of indigenously-developed Vertically-Launched Short-Range Surface-to-Air Missile (VLSRSAM) from the Integrated Test Range (ITR), Chandipur off the coast of Odisha?

- Ans
- ☐ A. January 2, 2025
 - ☐ B. May 20, 2025
 - ☒ C. March 26, 2025
 - ☐ D. July 16, 2025

Q.82 Who won the men's singles title at the 2025 French Open, held in June 2025?

- Ans
- ☐ A. Novak Djokovic
 - ☐ B. Jannik Sinner
 - ☐ C. Alexander Zverev
 - ☒ D. Carlos Alcaraz

Q.83 As on November 2024, how many Khelo India Athletes received coaching, equipment, medical care, and Out of Pocket Allowance (OPA)?

- Ans
- ☒ A. 2781
 - ☐ B. 2509
 - ☐ C. 2000
 - ☐ D. 3087

Q.84 Which Indian city was ranked the most polluted globally in the World Air Quality Report, 2024, released in March 2025?

- Ans
- ☐ A. Mumbai
 - ☐ B. Delhi
 - ☒ C. Byrnihat
 - ☐ D. Gurugram

Q.85 In June 2025, which educational institution signed an MoU with VRDE to collaborate on advanced defence technologies?

- Ans
- ☒ A. COEP Technological University, Pune
 - ☐ B. Rajasthan Technical University
 - ☐ C. Indian Institute of Science, Bengaluru
 - ☐ D. National Institute of Technology, Warangal

Q.86 In August 2025, NITI Aayog unveiled an innovative framework to evaluate and compare the advancement of States and Union Territories towards their Electric Mobility objectives named _____.

- Ans
- ☐ A. National E-Mobility Mission Plan Index
 - ☐ B. Electric Vehicle Advancement Index
 - ☒ C. India Electric Mobility Index
 - ☐ D. Sustainable Transport Index

Q.87 In June 2025, Consumer Price Index (CPI) of India inflation for the financial year 2025-26 was projected at:

- Ans
- ☐ A. 6.7%
 - ☐ B. 4.7%
 - ☒ C. 3.7%
 - ☐ D. 5.7%

Q.88 What is the main purpose of the 'Model Rules for Felling Trees in Agricultural Lands', released in 2025?

- Ans
- ☒ A. Easing business in agroforestry by streamlining rules
 - ☐ B. Increasing tax on agricultural produce
 - ☐ C. Banning agroforestry in rural areas
 - ☐ D. Promoting urban farming only

Q.89 Who is the author of the book 'India: 5,000 Years of History on the Subcontinent', published in June 2025?

- Ans
- ☐ A. Patrick French
 - ☐ B. William Dalrymple
 - ☐ C. John Zubrzycki
 - ☒ D. Audrey Truschke

Q.90 Which city in Madhya Pradesh hosted the foundation stone ceremony of India's first PM MITRA Park, attended by Prime Minister Narendra Modi?

- Ans
- ☐ A. Indore
 - ☐ B. Gwalior
 - ☐ C. Bhopal
 - ☒ D. Dhar

Q.91 In June 2025, which two countries participated in Exercise SHAKTI, a biennial training engagement?

- Ans
- ☒ A. India and France
 - ☐ B. Nepal and Bhutan
 - ☐ C. Sri Lanka and the Maldives
 - ☐ D. Afghanistan and China

Q.92 In September 2025, the Ministry of Environment, Forest, and Climate Change introduced which of the following to enhance environmental compliance and governance?

- Ans
- ☐ A. Sustainable Practices and Audit Guidelines, 2025
 - ☐ B. Green Business Certification Framework, 2025
 - ☐ C. Environmental Sustainability and Compliance Rules, 2025
 - ☒ D. Environment Audit Rules, 2025

Q.93 Who received the Sahitya Akademi Translation Prize (awarded in March 2025) for translating Himanshi Joshi's Tere Liye into Punjabi as Tere Laee?

- Ans
- ☐ A. Anjan Sarma
 - ☒ B. Chandan Negi
 - ☐ C. Suvash Satpathy
 - ☐ D. Srinivas Murmu

Q.94 Against which country's wrestler did Antim Panghal win her bronze medal match at the Asian Wrestling Championships, 2025?

- Ans**
- ☐ A. China
 - ☐ B. Kazakhstan
 - ☒ C. Chinese Taipei
 - ☐ D. Japan

Q.95 In June 2025, West Bengal planned to make 800 km green wall along which of the following states, intercepting pollutants entering the State?

- Ans**
- ☐ A. Mizoram
 - ☐ B. Assam
 - ☐ C. Chhattisgarh
 - ☒ D. Jharkhand

Q.96 Who authored 'Careless People: A Cautionary Tale of Power, Greed, and Lost Idealism', published in 2025?

- Ans**
- ☐ A. Alexandra Winslow-Meyer
 - ☒ B. Sarah Wynn-Williams
 - ☐ C. Susannah Wynn-Wallace
 - ☐ D. Samantha Wynne-Williamson

Q.97 Which of the following banks of India extended the operating hours of the call money market to 7 PM, from 1 July 2025?

- Ans**
- ☐ A. Bank of Baroda
 - ☒ B. Reserve Bank of India
 - ☐ C. State Bank of India
 - ☐ D. Bandhan Bank

Q.98 For Athletics in 2025, what is the age eligibility range for boys' and girls' selection trials at SAI Chennai?

- Ans**
- ☐ A. 10 to 16 years
 - ☐ B. 14 to 20 years
 - ☒ C. 12 to 18 years
 - ☐ D. 11 to 19 years

Q.99 What was India's rank in the Corruption Perceptions Index (CPI), 2024?

- Ans**
- ☒ A. 96th
 - ☐ B. 85th
 - ☐ C. 93rd
 - ☐ D. 101st

Q.100 Who was appointed as the RBI Deputy Governor in April 2025, becoming one of the key figures in shaping India's financial and monetary policy?

- Ans**
- ☐ A. Shaktikanta Das
 - ☐ B. Nirmala Sitharaman
 - ☒ C. Poonam Gupta
 - ☐ D. Arundhati Bhattacharya



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८ /२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Sector 62
Test Date	09/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 If the net force on a 10 kg object is zero, its acceleration will be:

- Ans
- ☐ A. 9.8 m/s^2
 - ☐ B. 10 m/s^2
 - ☐ C. Depends on its velocity
 - ☒ D. 0 m/s^2

Q.2 The poultry birds grown for the purpose of meat production are called _____.

- Ans
- ☐ A. Fowls
 - ☒ B. Broilers.
 - ☐ C. Cocks.
 - ☐ D. Layers.

Q.3 Why do recessive traits like 't' for dwarfness in pea plants only show up when both alleles are recessive?

- Ans
- ☐ A. Recessive alleles are never expressed.
 - ☐ B. Recessive alleles are stronger.
 - ☒ C. Dominant alleles mask recessive alleles.
 - ☐ D. Recessive alleles cannot be passed on.

Q.4 The phenomenon of change of a liquid into vapour at any temperature below its boiling point is called:

- Ans
- ☐ A. solidification
 - ☐ B. condensation
 - ☒ C. evaporation
 - ☐ D. sublimation

Q.5 Which of the following statements about ethanol is correct?

- Ans
- ☐ A. Ethanol is a non-volatile solid.
 - ☐ B. Ethanol does not dissolve in water.
 - ☒ C. Ethanol is a liquid with a pleasant smell and is miscible with water.
 - ☐ D. Ethanol reacts with sodium to form carbon dioxide.

Q.6 A ray of light passing through the principal focus of a convex lens emerges:

- Ans**
- ☐ A. without deviation
 - ☐ B. back to the source
 - ☐ C. towards the optical centre
 - ☒ D. parallel to the principal axis

Q.7 What does the area under a velocity-time graph give?

- Ans**
- ☒ A. Displacement
 - ☐ B. Acceleration
 - ☐ C. Force
 - ☐ D. Work done

Q.8 Which of the following terms is used to describe the ability of a plant to recover its lost parts by growth?

- Ans**
- ☒ A. Regeneration
 - ☐ B. Fertilisation
 - ☐ C. Binary fission
 - ☐ D. Budding

Q.9 An organic compound always contains which of the following?

- Ans**
- ☒ A. At least one carbon atom
 - ☐ B. Hydrogen, oxygen and nitrogen
 - ☐ C. Halogens and noble gases
 - ☐ D. Silicon and phosphorus atoms

Q.10 If the mass of two objects is halved and the distance between them is also halved, the gravitational force _____.

- Ans**
- ☒ A. remains same as before
 - ☐ B. becomes double
 - ☐ C. becomes half as much
 - ☐ D. becomes one-fourth as much

Q.11 Which of the following characteristics correctly describes skeletal (striated) muscles?

- Ans**
- ☒ A. Long, cylindrical, unbranched, multinucleate cells, voluntary control
 - ☐ B. Spindle-shaped, uninucleate cells, involuntary control
 - ☐ C. Short, cylindrical, branched cells with intercalated discs
 - ☐ D. Branched, uninucleate cells, involuntary control

Q.12 The key difference between rough endoplasmic reticulum and smooth endoplasmic reticulum is the presence of:

- Ans**
- ☒ A. ribosomes
 - ☐ B. cytosol
 - ☐ C. mitochondria
 - ☐ D. centrosomes

Q.13 Read the following statements carefully and select the correct option.

Assertion (A): Decomposition reactions require energy in the form of heat, light, or electricity.

Reason (R): Energy is absorbed to break down reactant molecules into simpler products.

- Ans**
- ☐ A. Both A and R are true, and R is not the correct explanation of A.
 - ☒ B. Both A and R are true, and R is the correct explanation of A.
 - ☐ C. A is true, but R is false.
 - ☐ D. A is false, but R is true.

Q.14 When the same current flows through two wires of equal length but different resistances, the wire with higher resistance will:

- Ans**
- ☐ A. Produce no heat
 - ☐ B. Produce the same heat
 - ☒ C. Produce more heat
 - ☐ D. Produce less heat

Q.15 The speed of sound in air is about 343 m/s at room temperature. What happens to its speed when it travels through water?

- Ans**
- ☒ A. It increases
 - ☐ B. It becomes zero
 - ☐ C. It decreases
 - ☐ D. It remains the same

Q.16 If a porter carrying a load on his head moves on a horizontal road with uniform speed, the work done by the gravitational force on the load:

- Ans**
- ☐ A. cannot be determined
 - ☐ B. is maximum
 - ☒ C. is zero
 - ☐ D. is minimum

Q.17 A convex lens is thicker at the middle compared to the edges. Due to this shape, how does it affect parallel light rays passing through it?

- Ans**
- ☐ A. It causes the rays to scatter randomly
 - ☐ B. It causes the rays to reflect back along the same path
 - ☐ C. It causes the rays to spread out, performing a diverging action
 - ☒ D. It causes the rays to meet at a point, performing a converging action

Q.18 The number of neutrons in an oxygen atom is:

- Ans**
- ☐ A. 32
 - ☐ B. 16
 - ☐ C. 7
 - ☒ D. 8

Q.19 Which of the following shows the strongest force of attraction between particles?

- Ans**
- ☐ A. Alcohol
 - ☐ B. Water
 - ☐ C. Oxygen gas
 - ☒ D. Iron rod

Q.20 Which of the following cell organelles stores starch, oil and protein granules?

- Ans**
- ☐ A. Chloroplast
 - ☒ B. Leucoplast
 - ☐ C. All plastids
 - ☐ D. Chromoplast

Q.21 Which of the following elements has atomic number 11?

- Ans**
- ☒ A. Sodium
 - ☐ B. Nitrogen
 - ☐ C. Potassium
 - ☐ D. Magnesium

Q.22 Which of the following is the irrigation method in which water is tap from deeper strata by pumps?

- Ans**
- ☐ A. Rain-fed
 - ☐ B. River life system
 - ☐ C. Canals
 - ☒ D. Tube wells

Q.23 When ester is treated with sodium hydroxide, alcohol and sodium salt of carboxylic acid is formed. What is the process called?

- Ans**
- ☒ A. Saponification
 - ☐ B. Esterification
 - ☐ C. Acidification
 - ☐ D. Hydrogenation

Q.24 Which of the following wires will have the least resistance if all are made of the same material?

- Ans**
- ☒ A. Short and thick wire
 - ☐ B. Short and thin wire
 - ☐ C. Long and thin wire
 - ☐ D. Long and thick wire

Q.25 Which of the following is NOT a trait Mendel studied in pea plants?

- Ans**
- ☐ A. Plant height
 - ☒ B. Leaf size
 - ☐ C. Seed shape
 - ☐ D. Flower position

Section : Mathematics

Q.26 One pipe can fill a tank in 6 minutes while another pipe can empty the completely filled tank in 24 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans**
- ☐ A. 8
 - ☐ B. 6
 - ☒ C. 2
 - ☐ D. 4

Q.27 Walking at $\frac{3}{4}$ th of his normal speed from his home, Bhavesh is 15 mi

The usual time taken by him to cover the distance between his home :

- Ans ☐ A. 43 minutes
☒ B. 45 minutes
☐ C. 54 minutes
☐ D. 38 minutes

Q.28 If A : B = 1 : 3, B : C = 4 : 3 and C : D = 5 : 7, then A : B : C : D is:

- Ans ☒ A. 20 : 60 : 45 : 63
☐ B. 20 : 60 : 43 : 63
☐ C. 20 : 58 : 45 : 63
☐ D. 18 : 60 : 45 : 63

Q.29 If the third proportional of 50 and 30 be x, then what is the value of x?

- Ans ☐ A. 15
☐ B. 21
☐ C. 20
☒ D. 18

Q.30 Simplify: $3 \times 2 + 12 \div (6 - 2) \times 2$

- Ans ☐ A. 18
☐ B. 21
☒ C. 12
☐ D. 15

Q.31 In a $\triangle MNR$, the sides MN and MR are extended to P and Q, respectively. The bisectors of $\angle PNR$ and $\angle QRN$ intersect at a point X.

If $\angle X = 75^\circ$, then the value of $2\angle M$ is:

- Ans ☐ A. 50°
☐ B. 56°
☒ C. 60°
☐ D. 66°

Q.32 A person saves 60% of his income. If his expenditure is ₹480, then his income (in ₹) is:

- Ans ☐ A. 1240
☐ B. 1920
☒ C. 1200
☐ D. 2880

Q.33 If $\cot A = \frac{3}{4}$, then find the value of $3\sin 2A - \cos 3A$ is:

- Ans ☐ A. 417/125
☐ B. 437/125
☒ C. 477/125
☐ D. 497/125

Q.34 A class of 95 students took a Physics test. 47 students had an average score of 93. The other students had an average score of 54. What is the average score (rounded off to one decimal place) of the whole class?

- Ans**
- ☒ A. 83.7
 - ☒ B. 73.3
 - ☒ C. 65.6
 - ☒ D. 79.7

Q.35 A number when doubled and increased by 7 becomes 29. Find the number.

- Ans**
- ☒ A. 14
 - ☒ B. 15
 - ☒ C. 12
 - ☒ D. 11

Q.36 The points scored by a basket-ball team in a series of matches are as follows: 17, 2, 7, 27, 25, 5, 14, 18, 10, 24, 10, 8, 7, 10. The value of mode is:

- Ans**
- ☒ A. 4
 - ☒ B. 10
 - ☒ C. 7
 - ☒ D. 17

Q.37 A rectangular garden is 50 m long and 40 m wide. A path of uniform width is laid inside the garden along its boundary. If the area of the path is 344 m^2 , find the perimeter of the inner rectangle.

- Ans**
- ☒ A. 164 m
 - ☒ B. 140 m
 - ☒ C. 148 m
 - ☒ D. 136 m

Q.38 What is the average speed of a car that covers half the distance at the speed of 84 km/hr and the other half at the speed of 63 km/hr?

- Ans**
- ☒ A. 68 km/hr
 - ☒ B. 79 km/hr
 - ☒ C. 72 km/hr
 - ☒ D. 69 km/hr

Q.39 Rohit bought a bicycle for ₹3,200 and sold it for ₹3,840. What is his profit percentage?

- Ans**
- ☒ A. 20%
 - ☒ B. 18%
 - ☒ C. 25%
 - ☒ D. 22%

Q.40 The least value of x , so that the number $73318x4$ is divisible by 8 is

- Ans**
- ☒ A. 2
 - ☒ B. 1
 - ☒ C. 4
 - ☒ D. 3

Q.41 Aaron is 5 years younger than Ron. Four years later from now, Ron will be twice as old as Aaron. Find Ron's present age.

- Ans**
- ☐ A. 5 years
 - ☐ B. 7 years
 - ☐ C. 8 years
 - ☒ D. 6 years

Q.42 If $\alpha + \beta = 14$ and $\alpha\beta = 20$, then what is the value of $(\alpha^2 + \beta^2)^{\frac{1}{2}}$?

- Ans**
- ☐ A. 156
 - ☒ B. $2\sqrt{39}$
 - ☐ C. 236
 - ☐ D. $39\sqrt{2}$

Q.43 A vendor offers her customers a discount of 15% on her beauty products and she still makes a profit of 5%. What is the cost price (in ₹) of a beauty product marked at ₹273?

- Ans**
- ☒ A. 221
 - ☐ B. 166
 - ☐ C. 219
 - ☐ D. 247

Q.44 The sides of a triangle are 146 cm, 96 cm, and 110 cm. What is its area (in cm^2)?

- Ans**
- ☐ A. 5296
 - ☒ B. 5280
 - ☐ C. 5290
 - ☐ D. 5275

Q.45 Determine the largest number that divides both 1058 and 1550, leaving remainders of 5 and 11, respectively.

- Ans**
- ☐ A. 86
 - ☐ B. 88
 - ☐ C. 83
 - ☒ D. 81

Q.46 A number is first decreased by 35% and then further decreased by 25%. By what percentage has the original number been decreased altogether?

- Ans**
- ☐ A. 50%
 - ☐ B. 53.25%
 - ☒ C. 51.25%
 - ☐ D. 55%

Q.47 The cost of a washing machine is 10% less than the cost of a TV. If the cost of the washing machine increases by 55% and that of the TV decreases by 71%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

- Ans**
- ☐ A. Increase by 12%
 - ☐ B. Decrease by 11%
 - ☐ C. Decrease by 13%
 - ☒ D. Increase by 10%

Q.48 A dealer marks his goods at 80% above the cost price and allows a discount of 5% on the marked price. What is his gain or loss percentage?

- Ans**
- ☐ A. 74.2% loss
 - ☐ B. 71.3% gain
 - ☒ C. 71% gain
 - ☐ D. 72% loss

Q.49 To buy a car, Taniya borrowed ₹75,000 at 8% per annum simple interest for 27 months. How much interest will she pay?

- Ans**
- ☐ A. ₹12,500
 - ☒ B. ₹13,500
 - ☐ C. ₹14,000
 - ☐ D. ₹13,000

Q.50 Aditya can do $\frac{1}{6}$ th of a piece of work in 13 days and Bhagawan can do $\frac{1}{8}$ th of a piece of work in 16 days. Find the number of days taken to complete the work if both work together.
(Round off your answer to one decimal place.)

- Ans**
- ☐ A. 41.9
 - ☐ B. 47.5
 - ☒ C. 45.3
 - ☐ D. 51.4

Section : General Intelligence and Reasoning

Q.51 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

INFO - NFIO - OFNI
OATH - ATOH - HTAO

- Ans**
- ☒ A. REST - ESRT - TSER
 - ☐ B. TINS - INTS - INST
 - ☐ C. PLAY - LPAY - YLAP
 - ☐ D. ALSO - ASLO - OSLA

Q.52 What should come in place of the question mark (?) in the given series?

12,23,45,78,122 ?

- Ans**
- ☐ A. 179
 - ☐ B. 176
 - ☒ C. 177
 - ☐ D. 178

- Q.53** 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:

All patties are cake.
All cakes are samosa.

Conclusions:

(I): Some samosas are cake.

(II): All patties are samosa.

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

- Q.54** C, D, E, G, H, I and J are sitting around a circular table facing the centre of the table. Only two people sit between E and G when counted from the left of G. C sits third to the left of J. D sits to the immediate right of J. D sits second to the left of E. I is not an immediate neighbor of C. Who sits third to the right of H?

- Ans** ☒ A. I
☒ B. D
☒ C. J
☒ D. G

- Q.55** SDVT is related to WIA X in a certain way based on the English alphabetical order. In the same way, IXPJ is related to MCUN. To which of the given options is UMEV related, following the same logic?

- Ans** ☒ A. YRJZ
☒ B. YRZS
☒ C. TZXS
☒ D. YUIO

- Q.56** In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O + P @ T # G - V'?

- Ans** ☒ A. Wife's sister
☒ B. Wife's father's mother
☒ C. Wife's father's sister
☒ D. Wife's mother

- Q.57** In a certain code language, 'morning sun rises' is coded as 'at bp kj' and 'rises every day' is coded as 'lm at vv'. How is 'rises' coded in that language?

- Ans** ☒ A. lm
☒ B. kj
☒ C. at
☒ D. bp

Q.58 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.
O sits to the immediate right of P. Only three people sit between O and Y when counted from the left of O. Only three people sit between P and N when counted from the left of P. W sits to the immediate right of M. How many people sit between X and M when counted from the left of M?

- Ans**
- ☐ A. One
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. Two

Q.59 Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right.

(Left) 3 2 5 4 6 2 5 3 9 7 4 5 1 1 5 2 3 3 8 8 4 4 6 3 1 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☒ C. 3
 - ☐ D. 5

Q.60 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24 , 12, 2)
(70, 5, 14)

- Ans**
- ☐ A. (19, 5, 45)
 - ☐ B. (13, 39, 3)
 - ☐ C. (60 , 6, 12)
 - ☒ D. (32 , 16 , 2)

Q.61 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 3 6 9 9 4 4 1 7 5 6 2 1 6 6 6 6 8 8 2 9 1 5 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☐ A. One
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. Two

Q.62 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 8 2 9 7 6 2 4 8 3 4 6 1 9 4 2 7 4 3 5 9 8 3 5 2 4 8 (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. Three
☐ B. One
☐ C. More than three
☐ D. Two

Q.63 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 letter-cluster pair 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. LG-JN
☒ B. ID-GL
☐ C. RM-PT
☐ D. OJ-MQ

Q.64 Ayush ranked 28th from the top and 46th from the bottom in his class. How many students are there in his class?

- Ans** ☐ A. 72
☒ B. 73
☐ C. 71
☐ D. 74

Q.65 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:

All hotels are restaurants.
All restaurants are cafes.
Some restaurants are kitchens.

Conclusions:

(I) Some cafes are kitchens.
(II) Some hotels are kitchens.

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

Q.66 Town M is to the east of Town N. Town O is to the south of Town M. Town P is to the west of Town O. Town Q is to the north of Town P. Town N is to the north-west of Town Q. What is the location of Town M with respect to Town Q?

- Ans** ☐ A. North-west
☒ B. North-east
☐ C. North
☐ D. East

- Q.67 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$141 \div 8 + 384 \times 2 - 43 = ?$$

- Ans ☒ A. 979
☐ B. 912
☐ C. 953
☐ D. 982

- Q.68 Dhanya starts from Point A and drives 9 km towards south. She then takes a left turn, drives 11 km, turns left and drives 2 km. She then takes a left turn and drives 4 km. She takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans ☐ A. 8 km towards east
☒ B. 7 km towards west
☐ C. 9 km towards south
☐ D. 7 km towards north

- Q.69 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$67 - 13 \div 104 \times 26 + 93 = ?$$

- Ans ☐ A. 29
☒ B. 26
☐ C. 25
☐ D. 27

- Q.70 Pritika ranked 12th from the top and 26th from the bottom in his class. How many students are there in the class?

- Ans ☐ A. 35
☐ B. 47
☐ C. 45
☒ D. 37

- Q.71 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VMN SNP POR MPT ?

- Ans ☐ A. IQU
☒ B. JQV
☐ C. IQV
☐ D. JQU

- Q.72 VQLG is related to ZUPK in a certain way based on the English alphabetical order. In the same way, UPKF is related to YTOJ. To which of the given options is RMHC related, following the same logic?

- Ans ☒ A. VQLG
☐ B. VPLF
☐ C. UQKG
☐ D. UPKF

Q.73 Six people, L, M, N, O, P and Q, are sitting in a straight line facing towards north. N is sitting at the leftmost end of the row. Only 3 people are sitting between N and Q. L is sitting second right to P. M is sitting second right to L. Based on the given arrangement three of the following four are alike, find the odd one out?

- Ans** ☒ A. OP
☒ B. NO
☒ C. PL
☒ D. LM

Q.74 What should come in place of the question mark (?) in the given series?

1001 1000 997 992 985 ?

- Ans** ☒ A. 976
☒ B. 978
☒ C. 977
☒ D. 975

Q.75 What should come in place of the question mark (?) in the given series?

2001 2010 2018 2025 2031 ?

- Ans** ☒ A. 2037
☒ B. 2036
☒ C. 2034
☒ D. 2035

Q.76 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 % * 2 @ & 5 1 @ 6 7 1 6 # # £ 8 8 # \$ £ € (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☒ A. 2
☒ B. 4
☒ C. 3
☒ D. 5

Q.77 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. TQR
☒ B. LIJ
☒ C. OMM
☒ D. XUV

Q.78 In a certain language, 'basket is green' is coded as 'ns tu nm' and 'the green planet' is coded as 'ti ns fd'. How is 'green' coded in that language?

- Ans** ☒ A. ti
☒ B. nm
☒ C. ns
☒ D. fd

Q.79 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$221 - 5 \div 47 + 842 \times 2 = ?$$

- Ans**
- ☐ A. 721
 - ☐ B. 741
 - ☒ C. 731
 - ☐ D. 711

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ELN 55, HPK 62, KTH 69, NXE 76, ?

- Ans**
- ☐ A. RAB 81
 - ☐ B. QCA 81
 - ☐ C. PBC 83
 - ☒ D. QBB 83

Section : General Awareness and Current Affairs

Q.81 What does the term 'Blue Washing' refer to as per the News reports in 2025?

- Ans**
- ☐ A. Cleaning rivers to make them blue
 - ☐ B. A new method for water purification
 - ☐ C. Using blue-coloured chemicals in industries
 - ☒ D. The practice of portraying polluting industries as environmentally-friendly

Q.82 In April 2025, under which campaign did the Reserve Bank of India launch its official WhatsApp channel to promote digital safety and literacy?

- Ans**
- ☐ A. RBI for All
 - ☒ B. RBI Kehta Hai
 - ☐ C. RBI Secure
 - ☐ D. RBI Cares

Q.83 Who received the Sporting Icon Award at the 2025 Laureus ceremony?

- Ans**
- ☐ A. Novak Djokovic
 - ☐ B. Serena Williams
 - ☒ C. Rafael Nadal
 - ☐ D. Usain Bolt

Q.84 As reported by Feeding India (an NGO) in June 2025, the big fat Indian wedding is quietly triggering a climate chaos by adding which of the following gases in the atmosphere?

- Ans**
- ☐ A. Hydrofluorocarbons
 - ☐ B. Carbon Monoxide
 - ☒ C. Methane
 - ☐ D. Nitrous Oxide

Q.85 Which of the following initiative by the Ministry of Electronics and Information Technology (MeitY) specifically announced that India's 'common compute capacity' has crossed 34,000 GPUs to boost indigenous AI foundation-model development?

- Ans**
- ☒ A. IndiaAI Mission
 - ☐ B. Digital India AI Programme
 - ☐ C. Electronics Component Manufacturing Scheme
 - ☐ D. Atmanirbhar Bharat Abhiyan

Q.86 What does PYKKA stand for in the context of sports?

- Ans**
- ☐ A. Public Youth Krida Kendra Abhiyan
 - ☒ B. Panchayat Yuva Krida Aur Khel Abhiyan
 - ☐ C. Panchayat Yojana Kendra for Kids Activities
 - ☐ D. Primary Youth Khel Ka Abhiyan

Q.87 On 2 November 2025, the Indian Space Research Organisation (ISRO) deployed the advanced naval communication satellite GSAT-7R (CMS-03) into orbit from which launch site?

- Ans**
- ☐ A. Thumba Equatorial Rocket Launching Station, Thumba
 - ☐ B. Vikram Sarabhai Space Centre, Thiruvananthapuram
 - ☒ C. Satish Dhawan Space Centre, Sriharikota
 - ☐ D. UR Rao Satellite Centre, Bengaluru

Q.88 The Indian Armed Forces participated in the multilateral Exercise ZAPAD 2025 in which country?

- Ans**
- ☐ A. United Kingdom
 - ☐ B. United States
 - ☐ C. China
 - ☒ D. Russia

Q.89 Where was the All India Masters Ranking Badminton Tournament 2025 held from 22-29 January 2025?

- Ans**
- ☐ A. Hyderabad, Telangana
 - ☐ B. Mumbai, Maharashtra
 - ☒ C. Panchkula, Haryana
 - ☐ D. Bangalore, Karnataka

Q.90 In February 2025, who broke the world indoor 800 m American record with a time of 1:43.90 at Millrose?

- Ans**
- ☐ A. Will Sumner
 - ☒ B. Josh Hoey
 - ☐ C. Bryce Hoppel
 - ☐ D. Cooper Lutkenhaus

Q.91 Which organisation planned a big safety drill called 'Operation Abhyaas' in May 2025 to help people prepare for emergencies?

- Ans**
- ☐ A. Defence Research and Development Organisation (DRDO)
 - ☒ B. National Disaster Management Authority (NDMA)
 - ☐ C. Department of Military Affairs (DMA)
 - ☐ D. Defence Equipment Exporters Association (DEEA)

Q.92 What was the main objective of the 4th BIMSTEC Disaster Management Exercise hosted virtually by the National Disaster Management Authority in July 2025?

- Ans**
- ☐ A. To strengthen regional cooperation in early warning systems
 - ☒ B. To assess and enhance regional preparedness for cyclones and floods
 - ☐ C. To develop a unified framework for reconstruction planning
 - ☐ D. To test joint response protocols for natural disasters across member nations

Q.93 In January 2025, the Reserve Bank of India (RBI) lifted restrictions on which two Non-Banking Financial Companies (NBFCs)?

- Ans**
- ☐ A. Navi Finserv and Shriram Finance
 - ☐ B. DMI Finance and Muthoot Finance
 - ☐ C. Arohan and Muthoot Finance
 - ☒ D. Asirvad Microfinance and DMI Finance

Q.94 Which Indian naval asset participated in the defense exercise La Pérouse 2025?

- Ans**
- ☐ A. INS Vikrant
 - ☐ B. INS Arihant
 - ☐ C. INS Satpura
 - ☒ D. INS Mumbai

Q.95 Who authored the book "Careless People: A Cautionary Tale of Power, Greed, and Lost Idealism" released in March 2025?

- Ans**
- ☐ A. Sheryl Sandberg
 - ☐ B. Boria Majumdar
 - ☐ C. Simon Sinek
 - ☒ D. Sarah Wynn-Williams

Q.96 In which of the following places was the Round Table Discussion on improving female workforce participation in India, organised by the Ministry of Labour and Employment and the Lal Bahadur Shastri National Academy of Administration, held in March 2025?

- Ans**
- ☐ A. Dalhousie
 - ☒ B. Mussoorie
 - ☐ C. Nainital
 - ☐ D. Shimla

Q.97 What does the letter 'G' stand for in the term 'G20', as referred to in the second G20 Digital Economy Working Group meeting held in 2025 in South Africa?

- Ans**
- ☐ A. Global
 - ☐ B. Government
 - ☐ C. Growth
 - ☒ D. Group

Q.98 Which new index, presented in March 2025 by the International Finance Forum, evaluates global AI competitiveness?

- Ans**
- ☐ A. Global AI Vibrancy Index
 - ☐ B. AGILE Index
 - ☒ C. Global AI Competitiveness Index
 - ☐ D. AI Governance Index

Q.99 What is the primary function of Rajasthan's MadhuNetr DR-AI system launched by the state health department in 2025?

- Ans**
- ☐ A. A blockchain system for managing patient records
 - ☐ B. A telemedicine platform for rural teleconsultations
 - ☐ C. An AI tool for monitoring heart health remotely
 - ☒ D. An AI system for diabetic retinopathy screening

Q.100 Which Section of the Waqf (Amendment) Act, 2025, ensures that women are NOT excluded from Waqf property inheritance?

- Ans**
- ☐ A. Section 9F
 - ☐ B. Section 2C (2)
 - ☒ C. Section 3A(2)
 - ☐ D. Section 4B



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	National Council for the Church Social Action India
Test Date	09/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following devices does NOT use the heating effect of current for its working?

- Ans
- ☒ A. Electric Geyser
 - ☒ B. Electric Iron
 - ☒ C. Electric Mixer Grinder
 - ☒ D. Electric Fuse

Q.2 Leucoplasts have which of the following colours?

- Ans
- ☒ A. Purple
 - ☒ B. White
 - ☒ C. Indigo
 - ☒ D. Orange

Q.3 What is the range of the pH scale?

- Ans
- ☒ A. 0 to 7
 - ☒ B. -1 to 14
 - ☒ C. 0 to 14
 - ☒ D. 0 to 10

Q.4 A body of mass 5 kg is moving with an acceleration of 2 m/s^2 . What is the force acting on it?

- Ans
- ☒ A. 10 N
 - ☒ B. 7 N
 - ☒ C. 5 N
 - ☒ D. 2 N

Q.5 A village that regularly suffers from drought wants to store water for dry seasons to irrigate the agricultural field. Which method will help most?

- Ans
- ☒ A. Spraying pesticides
 - ☒ B. Growing short-duration crops
 - ☒ C. Rainwater harvesting and watershed management
 - ☒ D. Sprinkler irrigation

Q.6 The main purpose of the earth wire in a domestic circuit is:

- Ans**
- ☐ A. to reduce resistance
 - ☒ B. to protect from electric shocks
 - ☐ C. to supply current
 - ☐ D. to increase voltage

Q.7 Which of the following hydrocarbons is saturated?

- Ans**
- ☐ A. Benzene
 - ☒ B. Butane
 - ☐ C. Butene
 - ☐ D. Propene

Q.8 What is required to describe the distance an object has travelled?

- Ans**
- ☐ A. Only the direction of motion
 - ☐ B. The starting and ending points only
 - ☐ C. Both magnitude and direction
 - ☒ D. Only the numerical value, which is its magnitude

Q.9 What is the correct definition of atomic mass?

- Ans**
- ☐ A. It is the mass of one hydrogen molecule.
 - ☐ B. It is the mass of one atom in kilograms.
 - ☐ C. It is the mass of an atom in grams.
 - ☒ D. It is the mass relative to carbon-12 atom.

Q.10 A sound of 100 Hz is compared with a sound of 500 Hz. Which of the following statements is correct?

- Ans**
- ☐ A. Both have the same pitch.
 - ☐ B. 100 Hz sound has a higher pitch.
 - ☐ C. Pitch cannot be compared.
 - ☒ D. 500 Hz sound has a higher pitch.

Q.11 Hormone named testosterone is secreted from which of the following parts of a human being?

- Ans**
- ☐ A. Ureter
 - ☒ B. Testis
 - ☐ C. Fallopian tube
 - ☐ D. Uterus

Q.12 A 96 kg astronaut is standing on Earth. What is his weight on the Moon? (g on earth = 10 m/s^2)

- Ans**
- ☐ A. 96 N
 - ☐ B. 960 N
 - ☒ C. 160 N
 - ☐ D. 16 N

Q.13 Which component of phloem is basically responsible for the translocation of food?

- Ans**
- ☐ A. Companion cells
 - ☒ B. Sieve elements
 - ☐ C. Phloem fibres
 - ☐ D. Phloem parenchyma

Q.14 Which of the following particles contribute to the mass number?

- Ans**
- ☒ A. Protons and Neutrons
 - ☐ B. Electrons and Protons
 - ☐ C. Protons only
 - ☐ D. Electrons only

Q.15 Which of the following conditions will most effectively accelerate the corrosion of iron?

- Ans**
- ☐ A. Iron surface in dry air with no impurities
 - ☐ B. Iron immersed in pure water, free of dissolved oxygen
 - ☒ C. Iron surface exposed to moist air containing dissolved salts
 - ☐ D. Iron coated with a thin layer of zinc (galvanization)

Q.16 What is 'suspension' in chemistry?

- Ans**
- ☐ A. A homogeneous mixture
 - ☐ B. A colloidal dispersion
 - ☐ C. A true solution
 - ☒ D. A heterogeneous mixture with large particles

Q.17 Which cell organelle is responsible for releasing energy in the form of ATP, which enables various metabolic functions in an animal cell?

- Ans**
- ☐ A. Endoplasmic reticulum
 - ☒ B. Mitochondria
 - ☐ C. Lysosome
 - ☐ D. Nucleus

Q.18 What is the advantage of fragmentation as a mode of reproduction in plants?

- Ans**
- ☒ A. Brings about rapid multiplication
 - ☐ B. Forms spores for dispersal
 - ☐ C. Promotes bud formation
 - ☐ D. Increases genetic diversity

Q.19 What is corrosion most commonly observed as?

- Ans**
- ☐ A. Glowing of a bulb
 - ☐ B. Melting of metal when heated
 - ☒ C. Rust formation on iron objects
 - ☐ D. Boiling of water in a kettle

Q.20 A student places an object at a distance greater than twice the focal length from a convex lens. What kind of image is formed?

- Ans**
- ☐ A. Real, inverted, and larger than the object
 - ☐ B. Virtual, erect, and smaller than the object
 - ☐ C. Virtual, erect, and larger than the object
 - ☒ D. Real, inverted, and smaller than the object

Q.21 Which of the following is NOT a consequence of the law of conservation of energy?

- Ans**
- ☐ A. Kinetic energy can convert into potential energy
 - ☐ B. Energy can be converted from one form to another
 - ☐ C. Total energy in a closed system remains constant
 - ☒ D. Energy can be created to increase total energy of a closed system

Q.22 The importance of genetic variation in organisms is that _____.

- Ans**
- ☐ A. it enables sexual reproduction
 - ☒ B. it increases the chances of survival of an organism
 - ☐ C. it leads to uniformity in the progeny
 - ☐ D. it gives rise to dominant and recessive traits

Q.23 The image formed by a convex mirror is always _____.

- Ans**
- ☐ A. virtual and inverted
 - ☐ B. real and inverted
 - ☐ C. real and erect
 - ☒ D. virtual and erect

Q.24 How does the Mimosa pudica (touch-me-not) plant transmit the touch stimulus from the point of contact to the motor cells responsible for movement?

- Ans**
- ☒ A. Through electrical and chemical signals passed between general plant cells
 - ☐ B. Through growth of new supportive cells at the touch site
 - ☐ C. Through specialised nerve tissues connecting the points
 - ☐ D. By releasing hormones that travel through specialised tubes

Q.25 Which property of a carbon atom enables one carbon atom to form bonds with other carbon atoms?

- Ans**
- ☐ A. Valency
 - ☐ B. Polymerisation
 - ☐ C. Isomerisation
 - ☒ D. Catenation

Section : Mathematics

Q.26 A dealer makes a profit of 40% even after giving a 26% discount on the advertised price of a bike. If he makes a profit of ₹5,698 on the sale of the bike, what is the advertised price (in ₹)?

- Ans**
- ☐ A. 27,014
 - ☐ B. 26,846
 - ☒ C. 26,950
 - ☐ D. 26,952

Q.27 A rectangular park is 34 m long and 24 m wide. A path of uniform width runs inside it, surrounding a grassy lawn. If the area of the path is 216 m^2 , what is the perimeter of the grassy lawn?

- Ans**
- ☐ A. 96 m
 - ☒ B. 100 m
 - ☐ C. 112 m
 - ☐ D. 104 m

Q.28 If an item marked at ₹1,675 is sold for ₹1,273, then what is the discount percentage?

- Ans**
- ☒ A. 24%
 - ☐ B. 22%
 - ☐ C. 25%
 - ☐ D. 26%

Q.29 $\frac{1}{20}$ is what percentage of $\frac{11}{80}$? (Round off the answer to two decimal

- Ans
- ☐ A. 46.36%
 - ☐ B. 72.73%
 - ☐ C. 51.36%
 - ☒ D. 36.36%

Q.30 The mode of the observations 35, 21, 25, 21, 35, 32, 32, 30, 20, 35, 34, 35, 34, 25, 35, 33 and 25 is:

- Ans
- ☐ A. 21
 - ☒ B. 35
 - ☐ C. 32
 - ☐ D. 25

Q.31 A shopkeeper bought a chair for ₹750. He sold it at a 10% loss. What was the selling price of the chair?

- Ans
- ☐ A. ₹640
 - ☐ B. ₹710
 - ☐ C. ₹740
 - ☒ D. ₹675

Q.32 Simplify: $37^2 - 36^2 + 35^2 - 34^2 + 33^2 - 32^2$

- Ans
- ☒ A. 207
 - ☐ B. 197
 - ☐ C. 211
 - ☐ D. 200

Q.33 Robert, Chris, and Jeremy can finish a certain piece of work in 16, 48, and 32 days, respectively. All three of them started the work together. Robert left the work after 2 days and Chris left just 4 days before the work was completed. Find the total number of days taken for the work to be completed.

- Ans
- ☐ A. 24.3
 - ☒ B. 18.4
 - ☐ C. 16.2
 - ☐ D. 17.7

Q.34 If 4 lines of a print, in a column of a book, contain 63 words, how many words will a column of 64 lines contain?

- Ans
- ☒ A. 1008
 - ☐ B. 1018
 - ☐ C. 1004
 - ☐ D. 1012

Q.35 A 793 m long train is running at 90 km/hr. How long will it take to clear a 782 m long platform completely?

- Ans
- ☒ A. 63 seconds
 - ☐ B. 61 seconds
 - ☐ C. 60 seconds
 - ☐ D. 66 seconds

Q.36 Simplify $\frac{(0.36)^2 - (0.04)^2}{1.6}$.

- Ans
- ☐ A. 0.8
 - ☐ B. 1.2
 - ☒ C. 0.08
 - ☐ D. 1.8

Q.37 A trapezium-shaped field has an area of 720 m^2 , and the perpendicular distance between its parallel sides is 16 m. If one of the parallel sides is 25% more than the other parallel side, then the length of the smaller parallel side is ____.

- Ans
- ☐ A. 30 m
 - ☐ B. 50 m
 - ☒ C. 40 m
 - ☐ D. 60 m

Q.38 A, B and C can do a piece of work in 2, 12 and 6 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans
- ☐ A. 12
 - ☐ B. 5
 - ☒ C. 4
 - ☐ D. 8

Q.39 A class of 30 students took a Physics test. Fourteen students had an average score of 98. The other students had an average score of 54. What is the average score (rounded up to one decimal place) of the whole class?

- Ans
- ☒ A. 74.5
 - ☐ B. 71.6
 - ☐ C. 64.6
 - ☐ D. 76.9

Q.40 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Rupesh borrowed an amount of ₹5,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Rupesh after 4 years.

- Ans
- ☒ A. 70,000
 - ☐ B. 71,000
 - ☐ C. 69,500
 - ☐ D. 71,500

Q.41 Amit and Deeksha together invested ₹56,100 in a business. At the end of the year, out of a total profit of ₹9,200, Amit's share was ₹2,300. How much was Amit's investment?

- Ans
- ☐ A. ₹14,690
 - ☐ B. ₹12,370
 - ☐ C. ₹14,870
 - ☒ D. ₹14,025

Q.42 The sum of the ages of Ramesh and Suresh is 52 years. Ramesh's age is 4 years more than twice Suresh's age. What is Suresh's age?

- Ans
- ☐ A. 14 years
 - ☐ B. 15 years
 - ☒ C. 16 years
 - ☐ D. 12 years

Q.43 Identify the correct set of angles of a triangle.

- Ans ☒ A. $\{120^\circ, 35^\circ, 25^\circ\}$
☐ B. $\{85^\circ, 30^\circ, 75^\circ\}$
☐ C. $\{65^\circ, 45^\circ, 80^\circ\}$
☐ D. $\{95^\circ, 40^\circ, 85^\circ\}$

Q.44 From the top of a building 72.1 m high, the angle of depression to a car on the ground is 45° . Find the distance of the car from the foot of the building.

- Ans ☐ A. 81.2 m
☐ B. 124.73 m
☐ C. 41.6 m
☒ D. 72.1 m

Q.45 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 64% and that of the TV decreases by 28%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- Ans ☐ A. Increase by 29.4%
☐ B. Decrease by 30%
☐ C. Decrease by 27%
☒ D. Increase by 27.2%

Q.46 If 20% of a number is added to 78, then the result is the same number. 60% of the same number is:

- Ans ☒ A. 58.5
☐ B. 78.5
☐ C. 88.5
☐ D. 68.5

Q.47 A person can cover a certain distance in 1 hour 24 minutes by covering one-fourth of the distance at 5 km/hr and the rest at 6 km/hr. Find the total distance (in km).

- Ans ☒ A. 8
☐ B. 12
☐ C. 10
☐ D. 6

Q.48 Simplify: $100^{0.25} \times 5^2 \times 2^4 \times \frac{1}{800^{0.5}} \times \sqrt{\frac{1}{5}}$

- Ans ☐ A. 40
☒ B. 20
☐ C. 10
☐ D. 25

Q.49 A two-digit number is 7.75 times the sum of its digits. If its digits are reversed, the number decreases by 54. What is the original number?

- Ans ☒ A. 93
☐ B. 60
☐ C. 71
☐ D. 82

Q.50 Given that C is the third proportional of 6 and B. If B is the sum of the first three even natural numbers, then find the value of C.

- Ans** ☒ A. 24.0
☐ B. 26.31
☐ C. 21.9
☐ D. 23.39

Section : General Intelligence and Reasoning

Q.51 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KIO : LFK
PER : QBN

- Ans** ☐ A. UJK : VGF
☐ B. BGW : CDR
☒ C. OGT : PDP
☐ D. KQL : LMH

Q.52 Which of the following number will replace the question mark (?) in the given series?

24, 27, 35, 59, 107, 227, ?

- Ans** ☐ A. 321
☐ B. 358
☒ C. 395
☐ D. 421

Q.53 Town F is to the north of Town G. Town H is to the east of Town F. Town I is to the south of Town H. Town J is to the west of Town I. Town G is to the south-west of Town J. What is the position of Town F with respect to Town J?

- Ans** ☐ A. South-west
☐ B. North-east
☒ C. North-west
☐ D. South-east

Q.54 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LEX 14, OHA 23, RKD 32, UNG 41, XQJ 50, ?

- Ans** ☐ A. AMT 59
☐ B. ATM 57
☐ C. AQM 59
☒ D. ATM 59

Q.55 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O - P # T @ G + V'?

- Ans** ☐ A. Daughter
☒ B. Mother
☐ C. Sister
☐ D. Wife

Q.56 What should come in place of the question mark (?) in the given series?

58 51 44 37 30 ?

- Ans**
- ☐ A. 21
 - ☐ B. 25
 - ☐ C. 22
 - ☒ D. 23

Q.57 In a certain code language, 'by the way' is coded as 'ts rd ui' and 'a long way' is coded as 'kl ui za'. How is 'way' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☐ A. ts
 - ☐ B. kl
 - ☒ C. ui
 - ☐ D. rd

Q.58 Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 8 3 2 6 7 5 4 3 9 1 8 2 5 (Right)

How many such odd numbers are there (from left to right), which are immediately followed by an odd number?

- Ans**
- ☒ A. Three
 - ☐ B. One
 - ☐ C. More than three
 - ☐ D. Two

Q.59 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. MLJ
 - ☐ B. HFE
 - ☐ C. ZXW
 - ☐ D. GED

Q.60 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(10, 150, 5)
(8, 96, 4)

- Ans**
- ☐ A. (12, 288, 6)
 - ☐ B. (5, 54, 3)
 - ☒ C. (9, 162, 6)
 - ☐ D. (7, 98, 3)

Q.61 AHKO is related to EKOR in a certain way based on the English alphabetical order. In the same way, QTAA is related to UWED. To which of the given options is CCMJ related, following the same logic?

- Ans**
- ☒ A. GFQK
 - ☒ B. GFQM
 - ☒ C. GMJU
 - ☒ D. GQWE

Q.62 O, P, Q, R, W, X and Y are sitting in a straight line facing north. Only two people sit to the left of P. Only three people sit between P and W. Only one person sits between W and X. R sits to the immediate left of O. Y is not an immediate neighbour of W. How many people sit to the right of Q?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. Four

Q.63 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

All jams are cobras.
All cobras are mats.

Conclusions:

(I) Some mats are cobras.
(II) All jams are mats.

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

Q.64 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

$$22 D 55 A 5 C 14 B 8 = ?$$

- Ans**
- ☒ A. 123
 - ☒ B. 122
 - ☒ C. 124
 - ☒ D. 121

Q.65 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) £ \$ 9 3 4 9 7 £ % & # 7 3 1 8 7 5 * @ 4 £ \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ A. 1
 - ☒ B. 3
 - ☒ C. 2
 - ☒ D. 0

Q.66 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits to the immediate right of C. Only three people sit between B and A when counted from the left of B. Only three people sit between C and D when counted from the left of C. G sits to the immediate right of F. How many people sit between A and C when counted from the right of C?

- Ans
- ☐ A. 4
 - ☐ B. 1
 - ☒ C. 3
 - ☐ D. 2

Q.67 Seven boxes, B, D, E, P, S, T and W, are kept one over the other, but not necessarily in the same order.
W is kept immediately above T. D is kept immediately above S. Only P is kept above B. Only two boxes are kept above W. D is not kept at the third position from the bottom.
How many boxes are kept between E and P?

- Ans
- ☐ A. One
 - ☐ B. Four
 - ☒ C. Three
 - ☐ D. Two

Q.68 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 3 9 7 8 9 8 4 3 1 3 4 3 3 1 7 2 2 9 7 8 3 1 6 2 4 3 3 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

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

Q.69 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:

All eggs are artists.

Some mangoes are artists.

Conclusions:

(I): Some eggs are mangoes.

(II): Some artists are eggs.

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

Q.70 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☒ A. BF-AC
☒ B. EI-DG
☒ C. IM-HK
☒ D. MQ-LO

Q.71 Abhishek ranked 17th from the top and 49th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 65
☒ B. 64
☒ C. 63
☒ D. 66

Q.72 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

HZC, LDG, PHK, TLO, ?

- Ans** ☒ A. XQS
☒ B. XQR
☒ C. XPR
☒ D. XPS

Q.73 What should come in place of the question mark (?) in the given series?

12 23 34 45 56 ?

- Ans** ☒ A. 61
☒ B. 67
☒ C. 65
☒ D. 63

Q.74 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$351 \div 3 + 284 \times 4 - 11 = ?$

- Ans** ☒ A. 993
☒ B. 991
☒ C. 996
☒ D. 999

Q.75 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only A sits to the left of D. Only four people sit between A and C. Only B sits between G and F, and G is not an immediate neighbour of C. How many people sit to the right of G?

- Ans** ☒ A. 1
☒ B. 2
☒ C. 3
☒ D. 4

- Q.76** This question is based on the five, three-digit numbers given below.
(Left) 715, 906, 570, 853, 418 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans** ☒ A. 8
☒ B. 6
☒ C. 7
☒ D. 13

- Q.77** In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WORD - WDRO - DROW
OATS - OSTA - STAO

- Ans** ☒ A. GIVE - GEVI - EVIG
☒ B. FOUR - FORU - OURF
☒ C. PART - PRAT - TRAP
☒ D. HERD - EHRD - DERH

- Q.78** If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8563546, then which of the following digits will be fourth from the left in the new number thus formed?

- Ans** ☒ A. 6
☒ B. 8
☒ C. 4
☒ D. 2

- Q.79** In a certain code language, 'BIRD' is coded as '2739' and 'DRIP' is coded as '3978'. What is the code for 'P' in the given code language?

- Ans** ☒ A. 8
☒ B. 3
☒ C. 7
☒ D. 9

- Q.80** Town A is to the north of Town B. Town C is to the west of Town A. Town D is to the south of Town C. Town E is to the east of Town D. Town B is to the southeast of Town E. What is the position of Town E with respect to Town A?

- Ans** ☒ A. Northwest
☒ B. Southeast
☒ C. Southwest
☒ D. Northeast

Section : General Awareness and Current Affairs

- Q.81** In which village was Ahilyabai Holkar born, where the Maharashtra Cabinet held a special meeting in May 2025 to honour her 300th birth anniversary?

- Ans** ☒ A. Maheshwar
☒ B. Paithan
☒ C. Nashik
☒ D. Chondi

Q.82 As of June 2025, which actor turned politician is the Deputy Chief Minister of the state of Andhra Pradesh?

- Ans**
- ☐ A. Prakash Raj
 - ☐ B. Chiranjeevi
 - ☐ C. Balakrishna
 - ☒ D. Pawan Kalyan

Q.83 Tiger Triumph defense exercise conducted in April 2025 was a joint exercise between India and which country?

- Ans**
- ☐ A. France
 - ☒ B. The US
 - ☐ C. The UK
 - ☐ D. Australia

Q.84 Which special year has ISRO declared 2025 to be, highlighting its human spaceflight efforts?

- Ans**
- ☒ A. Gaganyaan Year
 - ☐ B. Mars Year
 - ☐ C. Moon Year
 - ☐ D. Solar Year

Q.85 According to the Waqf (Amendment) Act, 2025, how many Muslim women must be included in State Waqf Boards?

- Ans**
- ☒ A. Two
 - ☐ B. Four
 - ☐ C. One
 - ☐ D. Three

Q.86 Euthalia malaccana, which was officially recorded in Arunachal Pradesh's Leparada district, in May 2025, is a new species of which of the following?

- Ans**
- ☒ A. Butterfly
 - ☐ B. Locust
 - ☐ C. Dragonfly
 - ☐ D. Grasshopper

Q.87 What was Transparency International's score for the US in the 2024 Corruption Perceptions Index?

- Ans**
- ☐ A. 67
 - ☐ B. 62
 - ☐ C. 70
 - ☒ D. 65

Q.88 In which of the following weight categories did Manisha Bhanwala win the gold medal at the Asian Wrestling Championships, 2025?

- Ans**
- ☐ A. 59 kg
 - ☐ B. 53 kg
 - ☐ C. 76 kg
 - ☒ D. 62 kg

Q.89 The Major Dhyan Chand Khel Ratna Award was presented to which of the below ace shooter by Indian President Droupadi Murmu in 2025?

- Ans**
- ☒ A. Sarabjot Singh
 - ☒ B. Manu Bhaker
 - ☒ C. Mona Agarwal
 - ☒ D. Rubina Francis

Q.90 As of 10 June 2025, how many new sports infrastructure projects were approved worth ₹3,124.12 crore across India?

- Ans**
- ☒ A. 326
 - ☒ B. 300
 - ☒ C. 350
 - ☒ D. 250

Q.91 Which of the following became India's 107th National Park in April 2025?

- Ans**
- ☒ A. Similipal
 - ☒ B. Gorumara
 - ☒ C. Dudhwa
 - ☒ D. Bhitarkanika

Q.92 Who among the following received the United Nations Sasakawa Award 2025 for Disaster Risk Reduction?

- Ans**
- ☒ A. Dr. Soumya Swaminathan
 - ☒ B. Randeep Guleria
 - ☒ C. Dr. Shekhar Mande
 - ☒ D. Dr. Mrutyunjay Mohapatra

Q.93 Which of the following banks removed the minimum balance requirement for all savings accounts in June 2025?

- Ans**
- ☒ A. Canara Bank
 - ☒ B. State Bank of India
 - ☒ C. Punjab National Bank
 - ☒ D. Bank of Baroda

Q.94 What is the name of the vessel in which two women officers from the Indian Navy have completed a landmark circumnavigation voyage under the Navika Sagar Parikrama II mission in May 2025?

- Ans**
- ☒ A. INS Indira
 - ☒ B. INS Tarini
 - ☒ C. INS Sarojini
 - ☒ D. INS Bhagmati

Q.95 Which of the following banks signed a Memorandum of Understanding with the Indo-Tibetan Border Police in February 2025 for providing financial and insurance benefits?

- Ans**
- ☒ A. Canara Bank
 - ☒ B. Punjab National Bank
 - ☒ C. IndusInd Bank
 - ☒ D. State Bank of India

Q.96 How many Atal Tinkering Labs were announced to be set up in government schools over the next five years in the Union Budget 2025-26?

- Ans**
- ☐ A. 30,000
 - ☐ B. 40,000
 - ☒ C. 50,000
 - ☐ D. 20,000

Q.97 Toshikazu Yamanishi set a new world record in which event in February 2025?

- Ans**
- ☐ A. 10 km race walk
 - ☐ B. 50 km race walk
 - ☒ C. 20 km race walk
 - ☐ D. 5 km race walk

Q.98 Which state government in October 2025 approved the Bamboo Industry Policy, 2025, aimed at providing farmers with a sustainable and eco-friendly source of income, while boosting the state's domestic and global bamboo production?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Maharashtra
 - ☐ C. West Bengal
 - ☐ D. Tripura

Q.99 The tech fair VivaTech, 2025, was held in which of the following European cities in June 2025?

- Ans**
- ☒ A. Paris
 - ☐ B. Barcelona
 - ☐ C. Lisbon
 - ☐ D. Berlin

Q.100 As notified in March 2025, how many DRDO Industry Academia Centres of Excellence (DIA-CoEs) have been set up across the country at premier institutions such as IITs, IISc, and central universities?

- Ans**
- ☐ A. 20
 - ☒ B. 15
 - ☐ C. 10
 - ☐ D. 5



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Atchutapuram
Test Date	09/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The approximate radii of hydrogen atom is:

- Ans
- ☒ A. 10-7 m
 - ☒ B. 10-10 m
 - ☒ C. 10-8 m
 - ☒ D. 10-9 m

Q.2 An electric bulb draws a current of 0.15 A for 8 minutes. How much electric charge flows through the circuit during this time?

- Ans
- ☒ A. 72 A
 - ☒ B. 1.2 C
 - ☒ C. 720 C
 - ☒ D. 72 C

Q.3 Substances that are broken down by biological processes are said to be:

- Ans
- ☒ A. biodegradable
 - ☒ B. synthetic
 - ☒ C. metallic
 - ☒ D. non-biodegradable

Q.4 Ohm's Law is valid under which condition?

- Ans
- ☒ A. Only for semiconductors
 - ☒ B. Only for metallic conductors at constant temperature
 - ☒ C. Only for insulator at high temperatures
 - ☒ D. For all materials at any temperature

Q.5 Identify the way that is NOT used by insect pests to attack the plants.

- Ans
- ☒ A. By cutting the root, stem and leaf
 - ☒ B. By sucking the cell sap
 - ☒ C. By boring into stem and fruits
 - ☒ D. By creeping on stem

Q.6 Which of the following contraceptive devices/methods prevent(s) spreading of STDs (Sexually Transmitted Diseases) such as AIDS?

- Ans**
- ☐ A. Vasectomy/Tubectomy
 - ☐ B. Copper T
 - ☐ C. Oral Pills
 - ☒ D. Condoms

Q.7 Which of the following is true for solids?

- a. Definite shape
- b. Rigidity fixed
- c. Volume

- Ans**
- ☐ A. b and c only
 - ☐ B. a and b only
 - ☐ C. a and c only
 - ☒ D. a, b and c

Q.8 What is the process known for removing impurities from ores?

- Ans**
- ☒ A. Concentration
 - ☐ B. Smelting
 - ☐ C. Refining
 - ☐ D. Roasting

Q.9 Calcium hydroxide reacts slowly with the carbon dioxide in air to form a thin layer of which compound that could be used for the purpose of whitewashing?

- Ans**
- ☐ A. CaO
 - ☒ B. CaCO₃
 - ☐ C. Ca(HCO₃)₂
 - ☐ D. CaSO₄

Q.10 Carbon can form long chains because it exhibits _____ and shows _____.

- Ans**
- ☐ A. electronegativity; tetravalency
 - ☒ B. tetravalency; catenation
 - ☐ C. double bond; triple bond
 - ☐ D. trivalent; catenation

Q.11 Which plant tissue is mostly found in the husk of a coconut, and what is its main function?

- Ans**
- ☒ A. Sclerenchyma – providing strength and rigidity
 - ☐ B. Xylem – conducting water and minerals
 - ☐ C. Parenchyma – storage of food
 - ☐ D. Collenchyma – providing flexibility

Q.12 Which statement best describes the forces involved when a bird flaps its wings downward to fly upward?

- Ans**
- ☒ A. The downward push of the wings on the air is the action, and the lift produced by the air on the wings is the reaction.
 - ☐ B. The flapping of wings is the action, and the gravity pulling the bird down is the reaction.
 - ☐ C. The bird's weight acts as the action force, and the air provides the reaction force.
 - ☐ D. The bird pushes the air downward, but no equal and opposite force acts on it.

Q.13 The absolute refractive index of a medium is defined as:

- Ans**
- ☒ A. the ratio of speed of light in vacuum to that in medium
 - ☐ B. the ratio of speed of light in medium to that in vacuum
 - ☐ C. the ratio of speed of light in medium to that in air
 - ☐ D. the ratio of speed of light in one medium to that in another medium

Q.14 What happens when you dissolve sugar in water?

- Ans**
- ☒ A. Sugar particles occupy spaces between water particles
 - ☐ B. Particles of sugar settle at the bottom
 - ☐ C. Water evaporates
 - ☐ D. Sugar reacts with water

Q.15 The _____ is the longest cell in the human body.

- Ans**
- ☐ A. osteocyte
 - ☐ B. platelet
 - ☒ C. neuron
 - ☐ D. muscle fibre

**Q.16 A ball of mass 3 kg is raised to a height of 6 m. Its potential energy is _____.
Take $g = 10 \text{ m/s}^2$**

- Ans**
- ☐ A. 1.8 J
 - ☐ B. 200 J
 - ☒ C. 180 J
 - ☐ D. 20 J

Q.17 The plasma membrane is composed of _____.

- Ans**
- ☐ A. sugars and lipids
 - ☒ B. lipids and proteins
 - ☐ C. DNA and lipids
 - ☐ D. proteins and sugars

Q.18 The lens formula is given by:

- Ans**
- ☐ A. $1/f = u/v$
 - ☐ B. $f = v + u$
 - ☐ C. $f = uv$
 - ☒ D. $1/f = 1/v - 1/u$

Q.19 If a student adds water to a concentrated acid quickly, what is likely to happen?

- Ans**
- ☐ A. The solution will become cold.
 - ☐ B. Nothing will happen.
 - ☒ C. The solution may splash and cause burns.
 - ☐ D. The acid will solidify.

Q.20 What causes the acceleration of an object when it falls toward the Earth?

- Ans**
- ☒ A. Earth's gravitational force
 - ☐ B. Magnetic force
 - ☐ C. Friction
 - ☐ D. Air resistance

Q.21 In flowering plants, the fusion of the male and female gametes within the ovule is called ____.

- Ans**
- ☐ A. transpiration
 - ☐ B. pollination
 - ☐ C. germination
 - ☒ D. fertilisation

Q.22 In a balanced chemical equation, the total number of atoms of each element is:

- Ans**
- ☐ A. More on the reactant side
 - ☐ B. More on the product side
 - ☐ C. Always changing
 - ☒ D. Equal on both sides

Q.23 Which of the following is NOT an example of action-reaction pair?

- Ans**
- ☒ A. Force of engine on car and car moves forward
 - ☐ B. Bat exerts force on ball and ball exerts force on bat
 - ☐ C. Gun recoils backward and bullet moves forward
 - ☐ D. Swimmer pushes water backward and water pushes swimmer forward

Q.24 If the time period of a sound wave is T , what does $1/T$ represent?

- Ans**
- ☐ A. Wavelength (λ)
 - ☒ B. Frequency (ν)
 - ☐ C. Speed (v)
 - ☐ D. Amplitude (A)

Q.25 What happens right after the formation and maturation of seeds in flowering plants?

- Ans**
- ☒ A. Seed dispersal
 - ☐ B. Fertilisation
 - ☐ C. Seed germination
 - ☐ D. Pollination

Section : Mathematics

Q.26 The total number of colour blocks is 8360. If the ratio of red block to blue block is 1 : 3 and the ratio of blue block to yellow block is 7 : 4, then how many yellow blocks are there?

- Ans**
- ☐ A. 2494
 - ☒ B. 2508
 - ☐ C. 2495
 - ☐ D. 2598

Q.27 A train overtakes two people running along a railway track. The first person is running at 12.6 km/hr, and the second person is running at 25.2 km/hr. The train takes 16.8 seconds to pass the first person and 22.4 seconds to pass the second person. What is the speed of the train if both are running in the same direction as the train?

- Ans**
- ☐ A. 62 km/hr
 - ☐ B. 59 km/hr
 - ☒ C. 63 km/hr
 - ☐ D. 60 km/hr

Q.28 Simplify $(2x - 1)^2 - (x - 4)(x + 4)$.

- Ans
- ☐ A. $3x^2 - 4x + 15$
 - ☒ B. $3x^2 - 4x + 17$
 - ☐ C. $2x^2 - 4x + 17$
 - ☐ D. $3x^2 + 4x + 17$

Q.29 The length of a rectangle is twice its breadth. If the perimeter of the rectangle is 12 cm, find the length and breadth.

- Ans
- ☒ A. Length = 4 cm and breadth = 2 cm
 - ☐ B. Length = 6 cm and breadth = 3 cm
 - ☐ C. Length = 2 cm and breadth = 4 cm
 - ☐ D. Length = 3 cm and breadth = 6 cm

Q.30 After allowing a discount of 11% on the marked price of an article, it is sold for ₹41,207. Find its marked price (in ₹).

- Ans
- ☐ A. 46,276
 - ☐ B. 46,363
 - ☐ C. 46,148
 - ☒ D. 46,300

Q.31 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Rakesh borrowed an amount of ₹2,20,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Rakesh after 4 years.

- Ans
- ☒ A. 35,200
 - ☐ B. 36,700
 - ☐ C. 34,700
 - ☐ D. 36,200

Q.32 The largest possible cone is carved from a solid wooden cube of side 21 cm. What is the volume of the wood (in cm^3) left over? (Use $\pi = \frac{22}{7}$)

- Ans
- ☒ A. 6835.5
 - ☐ B. 6125.5
 - ☐ C. 5940.5
 - ☐ D. 7240.3

Q.33 Three numbers are in the ratio 2 : 17 : 19 and the sum of these numbers is 7752. Find the middle number.

- Ans
- ☒ A. 3468
 - ☐ B. 3465
 - ☐ C. 3469
 - ☐ D. 3470

Q.34 Two trains, 130 m and 190 m long, are running in the same direction at speeds of 96 km/hr and 48 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

- Ans
- ☒ A. 24 seconds
 - ☐ B. 9 seconds
 - ☐ C. 8 seconds
 - ☐ D. 18 seconds

Q.35 Calculate the mode from the following data.

Days of Confinement	7	8	9	10	11
Number of Patients	5	7	8	6	4

- Ans
- ☐ A. 11
 - ☒ B. 9
 - ☐ C. 8
 - ☐ D. 10

Q.36 If the total age of Hassan and Ali is 12 years more than the total age of Ali and Ahmed, how many years younger is Ahmed than Hassan?

- Ans
- ☐ A. 14
 - ☐ B. 11
 - ☐ C. 10
 - ☒ D. 12

Q.37 A and B working together can do a piece of work in 4 days. B alone can do the same work in 36 days. How long (in days) will A alone take to do double the work?

- Ans
- ☐ A. 12
 - ☐ B. 4.5
 - ☐ C. 10
 - ☒ D. 9

Q.38 $\frac{1}{20}$ is what percentage of $\frac{11}{90}$ (rounded off to two decimal places)?

- Ans
- ☒ A. 40.91%
 - ☐ B. 50.91%
 - ☐ C. 55.91%
 - ☐ D. 81.82%

Q.39 If 3 is added to the numerator of a fraction, it becomes 1, and if 4 is a

What is the product of the numerator and the denominator of the origi

- Ans
- ☐ A. 896
 - ☐ B. 886
 - ☐ C. 688
 - ☒ D. 868

Q.40 The monthly incomes of two friends Kiran and Mahesh, are in the ratio 5 : 8 respectively and each of them saves ₹78,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Kiran (in ₹).

- Ans
- ☒ A. 1,95,000
 - ☐ B. 2,73,000
 - ☐ C. 1,94,000
 - ☐ D. 1,96,000

Q.41 Evaluate: $60 - [12 \div (2 + 1) + 4 \times 2]$

- Ans
- ☐ A. 46
 - ☒ B. 48
 - ☐ C. 50
 - ☐ D. 49

Q.42 The cost of a washing machine is 40% less than the cost of a TV. If the cost of the washing machine increases by 51% and that of the TV decreases by 15%, then what is the percentage change in the total cost of 5 washing machines and 7 TVs?

- Ans**
- ☐ A. Increase by 5.2%
 - ☒ B. Increase by 4.8%
 - ☐ C. Decrease by 8%
 - ☐ D. Decrease by 5%

Q.43 The marked price of an item is set at 41% above its cost price. If the merchant sells the item at 13% below the marked price, his profit percentage (rounded off to 1 decimal place) is:

- Ans**
- ☐ A. 26.3%
 - ☐ B. 21.8%
 - ☐ C. 25.4%
 - ☒ D. 22.7%

Q.44 The sum of the first 9 prime numbers is:

- Ans**
- ☒ A. 100
 - ☐ B. 101
 - ☐ C. 102
 - ☐ D. 96

Q.45 The arithmetic mean of the observations 58, 13, 74, 38, 98, 36, 43, 39 and 42 is:

- Ans**
- ☐ A. 53
 - ☐ B. 51
 - ☐ C. 43
 - ☒ D. 49

Q.46 Find the lowest value for * in the number 3*760 such that the resulting number is divisible by 12.

- Ans**
- ☐ A. 1
 - ☒ B. 2
 - ☐ C. 5
 - ☐ D. 0

Q.47 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 28^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 4, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 13°
 - ☒ B. 8°
 - ☐ C. 6°
 - ☐ D. 3°

Q.48 The difference between the cost price and the selling price of an object is ₹480. If the profit is 20% on the cost price, find the selling price of the object.

- Ans**
- ☐ A. ₹2,400
 - ☐ B. ₹2,500
 - ☒ C. ₹2,880
 - ☐ D. ₹2,000

Q.49 From a shipmast head 210 m high, the angle of depression of a boat is observed to be 60° . Find the distance (in m) of the boat from the ship.

- Ans**
- ☐ A. $70\sqrt{2}$
 - ☐ B. $60\sqrt{3}$
 - ☒ C. $70\sqrt{3}$
 - ☐ D. $60\sqrt{2}$

Q.50 A group of 10 women can weave a designer saree in 20 days. After 4 days, another group of 20 women joins them to work on the same saree. In how many more days will the saree be completely woven?

- Ans**
- ☐ A. $10\frac{1}{2}$ days
 - ☐ B. 10 days
 - ☐ C. $6\frac{4}{11}$ days
 - ☒ D. $5\frac{1}{3}$ days

Section : General Intelligence and Reasoning

Q.51 KOJM is related to QUPS in a certain way based on the English alphabetical order. In the same way, OSNQ is related to UYTW. To which of the following is GKFI related, following the same logic?

- Ans**
- ☐ A. QMOL
 - ☐ B. QMLO
 - ☐ C. MQOL
 - ☒ D. MQLO

Q.52 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only C is kept above B. Only E is kept between B and F. Only G is kept below A. How many boxes are kept below F?

- Ans**
- ☒ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 2

Q.53 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FGH BCD XYZ TUV ?

- Ans**
- ☒ A. PQR
 - ☐ B. POR
 - ☐ C. PRO
 - ☐ D. PRQ

Q.54 Refer to the following series and answer the question (all numbers are single-digit numbers only).

(Left) 8 3 7 1 2 5 9 6 3 7 8 2 4 1 (Right)

How many such even numbers are there (from left to right) which are immediately followed by an odd number?

- Ans** ☒ A. More than three
☐ B. Three
☐ C. Two
☐ D. One

Q.55 In a certain code language, 'lime card river' is coded as 'du kt bv' and 'river child judge' is coded as 'rr xi kt'. How is 'river' coded in that language?

- Ans** ☐ A. bv
☒ B. kt
☐ C. du
☐ D. rr

Q.56 This question is based on the following words
COP, TIK, ANY, CAN, OWN

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

- Ans** ☐ A. Four
☒ B. One
☐ C. Three
☐ D. Two

Q.57 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 324, 1)
(7, 71, 23)

- Ans** ☐ A. (1, 30, 25)
☒ B. (22, 505, 22)
☐ C. (22, 501, 13)
☐ D. (44, 1955, 15)

Q.58 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 letter-cluster pair 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. VR-WU
☐ B. PL-QN
☐ C. RN-SP
☐ D. TP-UR

Q.59 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:

All wallet are bank.

All bank are vault.

Conclusions:

(I): Some vault are bank.

(II): All wallet are vault.

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

Q.60 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

OSW 24, GKO 35, YCG 46, QUY 57, IMQ 68, ?

- Ans**
- ☒ A. AEI 79
 - ☒ B. AEI 78
 - ☒ C. AIE 79
 - ☒ D. AOI 79

Q.61 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of question mark '?' in the following equation?

41 C 12 A 6 D 5 B 2 = ?

- Ans**
- ☒ A. 34
 - ☒ B. 33
 - ☒ C. 31
 - ☒ D. 32

Q.62 Five people V, W, X, Y and Z are sitting in a row facing towards north. W is sitting at the extreme left end of the row. There are two people sitting between Z and W. V is immediate neighbour of Z. X is immediate neighbour of V. Exactly how many people are sitting in between W and Y?

- Ans**
- ☒ A. Three
 - ☒ B. None
 - ☒ C. Two
 - ☒ D. One

Q.63 What should come in place of the question mark (?) in the given series?

79 104 129 154 179 ?

- Ans**
- ☒ A. 199
 - ☒ B. 210
 - ☒ C. 215
 - ☒ D. 204

Q.64 In a certain code language,
'A + B' means 'A is the son of B'
'A - B' means 'A is the brother of B'
'A × B' means 'A is the wife of B'
'A ÷ B' means 'A is the father of B'
Based on the above, how is D related to J if 'D × F + G ÷ H - J'?

- Ans** ☒ A. Wife
☒ B. Brother's wife
☒ C. Daughter
☒ D. Brother's daughter

Q.65 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. EIB
☒ B. VZS
☒ C. SWP
☒ D. PTN

Q.66 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?

$$92 \text{ D } 9 \text{ C } 96 \text{ A } 12 \text{ B } 7 = ?$$

- Ans** ☒ A. 143
☒ B. 133
☒ C. 139
☒ D. 193

Q.67 A, B, C, D, W, X and Y are sitting in a straight line facing north. Only three people sit between W and Y. A sits to the immediate left of Y. No one sits to the right of B. Only two people sit between B and A. X sits to the immediate right of D. How many people sit between C and X?

- Ans** ☒ A. Four
☒ B. Two
☒ C. One
☒ D. Three

Q.68 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 2 6 4 7 3 5 1 9 8 3 7 2 6 5 9 1 4 8 7 2 6 9 3 5 8 (Right).

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☒ A. Three
☒ B. Four
☒ C. Two
☒ D. Five

Q.69 In a row of 41 people facing north, Mohan is 10th from the left end. If Rahul sits 9th to the right of Mohan, what is Rahul's position from the right end of the row?

- Ans**
- ✓ A. 23rd
 - ✗ B. 21st
 - ✗ C. 22nd
 - ✗ D. 24th

Q.70 KOJL is related to RVQS in a certain way based on the English alphabetical order. In the same way, MQLN is related to TXSU. To which of the following is OSNP related, following the same logic?

- Ans**
- ✓ A. VZUW
 - ✗ B. ZVWU
 - ✗ C. VZWU
 - ✗ D. ZVUW

Q.71 Ravindra starts from Point A and drives 9 km towards the east. He then takes a left turn, drives 3 km, turns right and drives 4 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 13 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 degrees turns only, unless specified.)

- Ans**
- ✗ A. 15 km towards north
 - ✗ B. 7 km towards east
 - ✓ C. 5 km towards north
 - ✗ D. 5 km towards south

Q.72 In a certain code language, 'elbow yield apple' is coded as 'tr ss jw' and 'apple case barn' is coded as 'ss rz jn'. How is 'apple' coded in that language?

- Ans**
- ✗ A. rz
 - ✓ B. ss
 - ✗ C. jw
 - ✗ D. tr

Q.73 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CLUB - LCUB - CUBL
SEAT - ESAT - SATE

- Ans**
- ✗ A. GROW - GORW - WORG
 - ✗ B. TWIN - WTIN - WINT
 - ✗ C. HOME - OHME - EOMH
 - ✓ D. PALE - APLE - PLEA

Q.74 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$15 + 17 \div 27 \times 3 - 10 = ?$$

- Ans**
- ✓ A. -128
 - ✗ B. -126
 - ✗ C. -130
 - ✗ D. -127

Q.75 This question is based on the five, three-digit numbers given below.

(Left) 783 791 531 563 594 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 9
 - ☐ B. 10
 - ☐ C. 11
 - ☒ D. 12

Q.76 Toshi starts from point A and drives 70 km towards east. He then takes a left turn, drives 45 km, turns left and drives 78 km. He then takes a left turn and drives 76 km. He takes a final left turn, drives 8 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 30 km to the north
 - ☒ B. 31 km to the north
 - ☐ C. 33 km to the south
 - ☐ D. 32 km to the south

Q.77 What should come in place of the question mark (?) in the given series?

710 712 708 714 706 716 ?

- Ans**
- ☐ A. 718
 - ☒ B. 704
 - ☐ C. 708
 - ☐ D. 720

Q.78 Eight people - A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. C sits to the immediate left of A. Only two people sit between C and E when counted from the left of E. Only three people sit between H and E when counted from the left of H. D sits to the immediate left of H. B is not an immediate neighbour of E. F sits second to the right of G. Who sits third to the right of H?

- Ans**
- ☐ A. B
 - ☐ B. F
 - ☒ C. G
 - ☐ D. A

Q.79 What should come in place of the question mark (?) in the given series?

7 16 27 40 55 ?

- Ans**
- ☐ A. 60
 - ☒ B. 72
 - ☐ C. 62
 - ☐ D. 70

Q.80 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:

All hammers are screwdrivers.
Some screwdrivers are wrenches.
No wrenches are pliers.

Conclusions:

(I): Some pliers are screwdrivers.
(II): Some wrenches are hammers.

- Ans** ☒ A. Neither conclusion (I) nor (II) is true
☐ B. Only conclusion (I) is true
☐ C. Only conclusion (II) is true
☐ D. Both conclusions (I) and (II) are true

Section : General Awareness and Current Affairs

Q.81 In August 2025, the report 'Unlocking a \$200 Billion Opportunity: Electric Vehicles in India,' assessing challenges and key steps for India's Electric Mobility transition, was released by _____.

- Ans** ☐ A. Ministry of Road Transport and Highways
☐ B. Ministry of Heavy Industries
☒ C. NITI Aayog
☐ D. Bureau of Energy Efficiency

Q.82 How many Centres of Excellence (CoE) were inaugurated by the Union Minister of State for Rural Development in June 2025 in Chennai?

- Ans** ☐ A. 100
☐ B. 400
☒ C. 300
☐ D. 200

Q.83 Which of the following cities hosted the National Workshop in July 2025, organised by the Union Ministry of Social Justice and Empowerment to strengthen the implementation of the SMILE-B (Support for Marginalized Individuals for Livelihood and Enterprise – Begging) scheme?

- Ans** ☐ A. Patna
☐ B. Lucknow
☐ C. Jaipur
☒ D. Indore

Q.84 Which legendary sprinter was named a Guinness World Records ICON in June 2025?

- Ans** ☐ A. Justin Gatlin
☒ B. Usain Bolt
☐ C. Carl Lewis
☐ D. Michael Johnson

Q.85 Which team did the Indian women's team defeat to emerge as champions in the inaugural Kho Kho World Cup on 19 January 2025?

- Ans** ☐ A. Pakistan
☐ B. China
☐ C. Bangladesh
☒ D. Nepal

Q.86 Which of the following institutions won the Bakshi Cup in 2025?

- Ans**
- ☐ A. Indian Military Academy (IMA)
 - ☒ B. Indian Naval Academy (INA)
 - ☐ C. National Defence Academy (NDA)
 - ☐ D. Air Force Academy (AFA)

Q.87 The inaugural Everest Climbers' Summit focused on climate, held in 2025, took place in:

- Ans**
- ☒ A. Kathmandu, Nepal
 - ☐ B. Lhasa, Tibet
 - ☐ C. Dhaka, Bangladesh
 - ☐ D. Dharamsala, India

Q.88 Who chaired the 10th Governing Council Meeting of the NITI Aayog on 24 May 2025?

- Ans**
- ☐ A. Amit Shah
 - ☒ B. Narendra Modi
 - ☐ C. JP Nadda
 - ☐ D. Manohar Lal Khattar

Q.89 Which telemedicine platform served over 36 crore patients by April 2025, per the Ministry of Health?

- Ans**
- ☐ A. Practo
 - ☐ B. Mfine
 - ☒ C. eSanjeevani
 - ☐ D. Apollo Telehealth

Q.90 In May 2025, the Financial Services Institutions Bureau (FSIB) recommended Asheesh Pandey as the new Managing Director (MD) and Chief Executive Officer (CEO) of which bank?

- Ans**
- ☐ A. Central Bank of India
 - ☐ B. Canara Bank
 - ☐ C. State Bank of India
 - ☒ D. Union Bank of India

Q.91 Which Indian political leader is known for the 'Viksit Bharat Sankalp Yatra' campaign in 2025?

- Ans**
- ☐ A. Yogi Adityanath
 - ☐ B. Mallikarjun Kharge
 - ☒ C. Shivraj Singh Chouhan
 - ☐ D. Rahul Gandhi

Q.92 In the 2025 Ludhiana West by-election, which party emerged victorious?

- Ans**
- ☐ A. Bharatiya Janata Party
 - ☐ B. Indian National Congress
 - ☒ C. Aam Aadmi Party
 - ☐ D. Shiromani Akali Dal

Q.93 Which of the following banks launched the largest staff engagement initiative called 'Next LEAP' to empower workforce in 2025?

- Ans**
- ☒ A. State Bank of India
 - ☐ B. Bank of Baroda
 - ☐ C. Indian Bank
 - ☐ D. Canara Bank

Q.94 What is the name of Assam's AI-powered virtual news anchor unveiled in 2025?

- Ans**
- ☐ A. Ananya
 - ☐ B. Arpita
 - ☒ C. Ankita
 - ☐ D. Asha

Q.95 In February 2025, in which district did the NDRF launch an avalanche rescue operation?

- Ans**
- ☒ A. Chamoli
 - ☐ B. Shimla
 - ☐ C. Shillong
 - ☐ D. Uttarkashi

Q.96 What was the nationality of the legendary fashion designer Giorgio Armani, who passed away in 2025?

- Ans**
- ☐ A. American
 - ☒ B. Italian
 - ☐ C. Spanish
 - ☐ D. French

Q.97 Which of the following showed an increase to 99.62% in 2024-25, according to the Sustainable Development Goals – National Indicator Framework Progress Report, 2025?

- Ans**
- ☒ A. Percentage of population using an improved drinking water source in rural areas
 - ☐ B. The reduction in emissions intensity of GDP
 - ☐ C. Percentage of population covered by social protection systems/floors
 - ☐ D. The renewable energy share in the total installed electricity generation

Q.98 The Waqf (Amendment) Act, 2025, is also known as _____.

- Ans**
- ☐ A. FARID Act
 - ☐ B. SAHIB Act
 - ☐ C. TAHIB Act
 - ☒ D. UMEED Act

Q.99 Which city was declared India's 'Leopard Capital' on 5 June 2025?

- Ans**
- ☒ A. Bengaluru
 - ☐ B. Mysuru
 - ☐ C. Dehradun
 - ☐ D. Udaipur

Q.100 Who became the first athlete in history to run sub-10 s in the 100 m for 11 consecutive years?

- Ans**
- ☐ A. Usain Bolt
 - ☐ B. Andre De Grasse
 - ☒ C. Akani Simbine
 - ☐ D. Trayvon Bromell



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone IDZ Trichy II
Test Date	10/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The size of the image formed by a convex mirror _____.

- Ans**
- ☒ A. is always smaller than the object
 - ☐ B. is always larger than the object
 - ☐ C. is always equal to the object
 - ☐ D. can be larger or smaller depending on object position

Q.2 Which wave characteristic determines the loudness of a sound?

- Ans**
- ☐ A. Wavelength
 - ☐ B. Frequency
 - ☒ C. Amplitude
 - ☐ D. Pitch

Q.3 When resistors are connected in series, which quantity remains the same across all resistors?

- Ans**
- ☐ A. Power
 - ☐ B. Resistance
 - ☐ C. Voltage
 - ☒ D. Current

Q.4 In a circuit diagram, the symbol for a cell is represented by which of the following?

- Ans**
- ☐ A. A circle with a cross inside
 - ☒ B. One long and one short line parallel to each other
 - ☐ C. Two equal lines parallel to each other
 - ☐ D. A rectangle with a diagonal line

Q.5 Which of the following statements best differentiates a compound from a solution?

- Ans**
- ☒ A. A compound has a fixed composition and definite properties, unlike a solution.
 - ☐ B. A compound can be separated by physical methods, while a solution cannot.
 - ☐ C. Compounds are always liquid, but solutions can be in any state.
 - ☐ D. Compounds are mixtures of two or more elements, while solutions are mixtures of compounds only.

Q.6 A student complains of difficulty in reading the blackboard clearly while sitting at the back of the class, but can read a book at 25 cm without difficulty. Which statement is correct for his condition?

- Ans**
- ☐ A. He has presbyopia and needs bifocals
 - ☐ B. He has cataract and needs surgery
 - ☐ C. He has hypermetropia and needs a convex lens
 - ☒ D. He has myopia and needs a concave lens

Q.7 Why do isobars, despite having the same mass number, exhibit different chemical properties?

- Ans**
- ☐ A. Because they have the same number of protons
 - ☐ B. Because they have the same number of neutrons in their nuclei
 - ☐ C. Because they belong to the same group in the periodic table
 - ☒ D. Because their atomic numbers and electronic configurations differ

Q.8 In a school garden, butterflies often visit flowers while squirrels feed on nuts. What types of consumers are these organisms?

- Ans**
- ☐ A. Butterflies – omnivores, Squirrels – carnivores
 - ☒ B. Butterflies – herbivores, Squirrels – herbivores
 - ☐ C. Butterflies – parasites, Squirrels – decomposers
 - ☐ D. Butterflies – carnivores, Squirrels – omnivores

Q.9 What type of bond is formed when a metal reacts with a non-metal?

- Ans**
- ☐ A. Covalent bond
 - ☐ B. Metallic bond
 - ☐ C. Hydrogen bond
 - ☒ D. Ionic bond

Q.10 Which of the following has branched-chain hydrocarbons?

- Ans**
- ☐ A. Butane
 - ☐ B. Propane
 - ☐ C. Ethane
 - ☒ D. Isobutane

Q.11 Which of the following types of human muscles show alternate light and dark bands when stained appropriately?

- Ans**
- ☐ A. Visceral muscles
 - ☐ B. Muscles of the alimentary canal
 - ☐ C. Involuntary muscles
 - ☒ D. Skeletal muscles

Q.12 Tooth enamel starts corroding when the pH in the mouth falls below ____.

- Ans**
- ☐ A. 7.5
 - ☒ B. 5.5
 - ☐ C. 6.5
 - ☐ D. 4.5

Q.13 The basic modification with a “prefix” or “suffix” in the nomenclature is the indicator of:

- Ans**
- ☐ A. Nature of the boiling point
 - ☐ B. Nature of the surface area
 - ☒ C. Nature of the functional Group
 - ☐ D. Nature of the melting point

Q.14 Which metal will displace iron from iron sulfate solution?

- Ans
- ☐ A. Chromium
 - ☐ B. Silver
 - ☒ C. Zinc
 - ☐ D. Copper

Q.15 What is the SI unit of Pressure?

- Ans
- ☐ A. Atmosphere
 - ☐ B. Torr
 - ☒ C. Pascal
 - ☐ D. mmHg

Q.16 Which one of the following statements is TRUE about vasectomy?

- Ans
- ☐ A. It removes the seminal vesicles.
 - ☐ B. It kills the sperm cells reaching the uterus.
 - ☐ C. It stops testosterone production.
 - ☒ D. It blocks the vas deferens to prevent sperm release.

Q.17 A student says, "Plants don't have a nervous system, so they cannot respond to anything." What would be the correct scientific response?

- Ans
- ☐ A. The student is right; plants are non-living.
 - ☐ B. Plants use nerves like animals do.
 - ☒ C. Plants respond using hormonal and electrical-chemical signals.
 - ☐ D. Only animals can show responses.

Q.18 Which of the following is NOT a cell organelle?

- Ans
- ☐ A. Mitochondria
 - ☐ B. Endoplasmic Reticulum
 - ☒ C. Cytoplasm
 - ☐ D. Golgi Apparatus

Q.19 Why does ice float on the surface of water?

- Ans
- ☒ A. Because the density of ice is less than that of water
 - ☐ B. Because the weight of ice is very small
 - ☐ C. Because ice is at a lower temperature
 - ☐ D. Because it displaces water equal to its weight

Q.20 Which of the following is the correct sequence of events in flowering plant reproduction?

- Ans
- ☐ A. Fertilisation → Pollination → Embryo → Seedling
 - ☐ B. Embryo → Seedling → Pollination → Fertilisation
 - ☐ C. Pollination → Fertilisation → Seedling → Embryo
 - ☒ D. Pollination → Fertilisation → Embryo → Seedling

Q.21 A body of mass 5 kg is initially at rest. A constant force of 20 N acts on it for 4 s. What is the final velocity of the body?

- Ans
- ☒ A. 16 m/s
 - ☐ B. 20 m/s
 - ☐ C. 12 m/s
 - ☐ D. 8 m/s

Q.22 Which of the following is the correct reason for why fruits fall from the tree when the branches of the tree are shaken vigorously?

- Ans**
- ☐ A. The fruits fall down due to change in momentum.
 - ☐ B. The fruits fall down due to action reaction forces.
 - ☒ C. The fruits fall down due to inertia.
 - ☐ D. The fruits fall down due to frictional force.

Q.23 Which type of cells are used by organisms like hydra for reproduction in the process budding?

- Ans**
- ☐ A. Gametic cells
 - ☐ B. Stomatal cells
 - ☐ C. Photosynthetic cells
 - ☒ D. Regenerative cells

Q.24 Which of the following statements is **INCORRECT** regarding cell type and shape?

- Ans**
- ☐ A. The nerve cell is long and branched in shape.
 - ☐ B. The red blood cell (RBC) is disc-shaped with a central depression.
 - ☐ C. The muscle cell is spindle-shaped.
 - ☒ D. The white blood cell (WBC) has a round and fixed shape.

Q.25 During the transformation of energy from one form to another, such as gravitational potential energy converting into kinetic energy during free fall, _____.

- Ans**
- ☐ A. new energy is constantly created, balancing the loss of the original form
 - ☐ B. the total mechanical energy increases, adhering to the law
 - ☐ C. energy is gradually lost to the environment, violating the law
 - ☒ D. the total energy before and after the transformation remains the same

Section : Mathematics

Q.26 A shopkeeper bought certain goods for ₹2,500 and sold them for ₹3,250. Find his profit percentage.

- Ans**
- ☐ A. 40%
 - ☒ B. 30%
 - ☐ C. 20%
 - ☐ D. 25%

Q.27 A cash payment that will settle a bill for 600 pairs of sandals at ₹91 per pair of sandals with the successive discounts of 25% and 25% with a further discount of 28% on cash payment is:

- Ans**
- ☒ A. ₹22,113
 - ☐ B. ₹22,104
 - ☐ C. ₹22,111
 - ☐ D. ₹22,101

Q.28 If the mean proportional of A and 112 is 28, then find the value of A.

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

Q.29 A woman travelled at a speed of 20 m/min for 80 min, and at a speed of 50 m/min for 70 min. Her average speed (in m/min) is:

- Ans** ☒ A. 40
☒ B. 34
☒ C. 27
☒ D. 38

Q.30 The present age of Mr. Gupta is three times the present age of his daughter. Six years hence, the ratio of their ages will be 5 : 2. What is the present age of the daughter?

- Ans** ☒ A. 22 years
☒ B. 24 years
☒ C. 18 years
☒ D. 20 years

Q.31 The monthly incomes of two friends Gopal and Akshay are in the ratio 5 : 8 and each of them saves ₹78,000 every month. If the ratio of their monthly expenditure is 1 : 4, then find the monthly income of Gopal (in ₹).

- Ans** ☒ A. 97,500
☒ B. 1,36,500
☒ C. 98,500
☒ D. 96,500

Q.32 Two engines of trains 60 km apart start towards each other at speeds of 16 km/hr and 29 km/hr, respectively. After how much time will they meet each other? (Assume the length of engine is negligible.)

- Ans** ☒ A. 86 minutes
☒ B. 80 minutes
☒ C. 90 minutes
☒ D. 72 minutes

Q.33 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Salil borrowed an amount of ₹4,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Salil after 3 years.

- Ans** ☒ A. 48,300
☒ B. 47,800
☒ C. 49,800
☒ D. 49,300

Q.34 A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 96 pages?

- Ans** ☒ A. 1920
☒ B. 1925
☒ C. 1930
☒ D. 1910

Q.35 20 men can reap a field in 18 days. If the goal is to finish reaping the field in 30 days, after how many days should 9 men stop working?

- Ans** ☒ A. $4\frac{1}{2}$ days
☒ B. $2\frac{1}{2}$ days
☒ C. $3\frac{1}{2}$ days
☒ D. $1\frac{1}{2}$ days

Q.36 If $90 - [36 \div 3 + 2 \times (P^2 - 21)] \div 3 = \frac{70}{3}$, find the positive value of P

Ans

- ☐ A. 6
☐ B. 5
☐ C. 4
☒ D. $\sqrt{115}$

Q.37 In a polling booth with 9000 valid votes, four candidates P, Q, R and S contested, and a NOTA option was also available. Exactly 1% of the total votes went to NOTA. Candidate Q received 25% of the votes secured by P. The combined votes of R and S totaled 5,830, distributed between them in the ratio 3 : 2. How many votes did the winning candidate receive?

Ans

- ☐ A. 3894
☐ B. 3984
☒ C. 3498
☐ D. 4398

Q.38 In 532 litres solution of acid and water, the ratio of acid and water is 4:3. How many litres of acid must be added to it to get the solution in which the ratio of acid and water is 8:4?

Ans

- ☐ A. 151
☐ B. 153
☒ C. 152
☐ D. 154

Q.39 If $1 - \sin^2 B = K \cdot \sin^2 B$, find K.

Ans

- ☒ A. $\cot^2 B$
☐ B. $\operatorname{cosec}^2 B$
☐ C. $\sec^2 B$
☐ D. $\tan^2 B$

Q.40 The average age of 57 students of a class is 19 years. If the age of the teacher is also included, the average age of the whole group becomes 20 years. The age (in years) of the teacher is:

Ans

- ☐ A. 79
☒ B. 77
☐ C. 75
☐ D. 71

Q.41 The product of mean and mode is 24 and the product of median and 1
If the square root of the sum of squares of mean, 3 times median and

Ans

- ☐ A. 5
☐ B. 6
☐ C. 4
☒ D. 3

Q.42 A, B and C can do a piece of work in 3, 24 and 8 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans ☐ A. 8
☒ B. 4
☐ C. 5
☐ D. 12

Q.43 The cost price of a box of sharpeners is ₹2,400. The shopkeeper gave 41% of discount on the cost price. What is the selling price (in ₹)?

- Ans ☐ A. 1,496
☒ B. 1,416
☐ C. 1,494
☐ D. 1,242

Q.44 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 71^\circ$. E is a point on BC such that $\angle CAE = 57^\circ$. What is the measure of $\angle AEB$?

- Ans ☐ A. 62°
☐ B. 71°
☐ C. 68°
☒ D. 76°

Q.45 A sphere of diameter 14 cm is cut into 4 equal parts. What is the total surface area (in cm^2) of the four parts?

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

- Ans ☐ A. 3606
☒ B. 1232
☐ C. 2464
☐ D. 4408

Q.46 $\frac{1}{20}$ is what percentage of $\frac{11}{100}$ (rounded off to two decimal places)?

- Ans ☒ A. 45.45%
☐ B. 55.45%
☐ C. 90.91%
☐ D. 60.45%

Q.47 What is the smallest natural number that should be added to 4478 such that a remainder of 2 is left when the resulting number is divided by each of the numbers 56, 80, 16 and 60?

- Ans ☒ A. 564
☐ B. 549
☐ C. 574
☐ D. 584

Q.48 The sum of two integers is 40. If the difference between them is 14, find the larger integer.

- Ans ☐ A. 17
☐ B. 25
☐ C. 33
☒ D. 27

Q.49 The length, breadth, and height of a cuboid are in the ratio 1 : 2 : 3. If the length, breadth, and height are increased by 100%, 50%, and 80%, respectively, find the percentage increase in the volume of the cuboid.

- Ans**
- ☐ A. 402%
 - ☒ B. 440%
 - ☐ C. 450%
 - ☐ D. 404%

Q.50 Simplify: $\frac{(x^4 - 1)(x^2 + x + 1)}{(x^3 - 1)(x^2 + 1)}$

- Ans**
- ☐ A. $x - 1$
 - ☐ B. $x^2 + 1$
 - ☐ C. $x^2 - 1$
 - ☒ D. $x + 1$

Section : General Intelligence and Reasoning

Q.51 IJ 8 is related to KE -1 in a certain way. In the same way, TP 3 is related to VK -6. To which of the given options is PQ 12 related, following the same logic?

- Ans**
- ☐ A. SL 5
 - ☐ B. SK 5
 - ☐ C. RK 3
 - ☒ D. RL 3

Q.52 All 30 students in a class are standing in a row facing north. Arun is 7th from the right end while Harish is 8th from the left end. How many people stand between Arun and Harish?

- Ans**
- ☐ A. 14
 - ☒ B. 15
 - ☐ C. 13
 - ☐ D. 17

Q.53 A, B, C, D, E and F are sitting around a circular table facing the centre. E sits third to the right of B. C sits to the immediate left of F. C is not an immediate neighbour of B. D sits to the immediate right of A. The position(s) of how many persons will remain unchanged if all persons are arranged in English alphabetical order in clockwise direction starting from A (including A)?

- Ans**
- ☐ A. Four
 - ☐ B. Two
 - ☒ C. Three
 - ☐ D. One

- Q.54** 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 roads are fans.

No fan is a car.

Conclusions:

(I) Some roads are cars.

(II) Some fans are roads.

- 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.55** GM 14 is related to EJ 16 in a certain way. In the same way, KQ 22 is related to IN 24. To which of the given options is OU 27 related, following the same logic?

- Ans** ☒ A. PR 29
☒ B. MR 29
☒ C. QT 29
☒ D. PT 28

- Q.56** Six students, S1, S2, S3, S4, S5 and S6, are sitting around a circular table, facing the centre. The student S6 is sitting next to both S5 and S2. S1 and S3 are sitting next to each other. S4 is the common neighbour of S2 and S3. S1 is second to the right of S4. Who among the following is sitting fourth to the right of S1?

- Ans** ☒ A. S4
☒ B. S6
☒ C. S2
☒ D. S3

- Q.57** 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:

All trees are bushes.

All bushes are herbs.

Conclusions:

(I): Some herbs are bushes.

(II): All trees are herbs.

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

- Q.58** Each of the digits in the number 2134567 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans** ☒ A. 8
☒ B. 5
☒ C. 7
☒ D. 6

- Q.59** Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 1 3 4 3 5 1 8 1 9 1 2 7 1 5 8 9 7 3 8 8 2 3 3 2 1 2 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 6
☒ B. 7
☒ C. 5
☒ D. 4

- Q.60** Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

JHK-IGJ
LJM-KIL

- Ans** ☒ A. DAC-CAD
☒ B. DBE-CAD
☒ C. DAC-BZC
☒ D. DBE-BAC

- Q.61** Refer to the following number and symbol series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 8 + 7 5 > 9 2 @ 3 = 4 6 % 3 & 8 4 % 9 1 8 3 # 7 6 9 (Right)

How many such symbols are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. One
☒ B. Two
☒ C. Four
☒ D. Three

- Q.62** In a certain code language,
P + Q means 'P is the mother of Q',
P # Q means 'P is the brother of Q',
P & Q means 'P is the sister of Q',
and P % Q means 'P is the father of Q'.

How is G related to S if 'G & H % I & T # S'?

- Ans** ☒ A. Mother's mother
☒ B. Father's brother
☒ C. Father's sister
☒ D. Mother's brother

- Q.63** Six people, A, B, C, D, E and F, are sitting in a row, facing north. E sits to the immediate right of D. F sits fourth to the left of D. Only one person sits between B and D. C sits to the immediate left of B. A sits second to the left of E. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

- Ans** ☒ A. FE
☒ B. CB
☒ C. AD
☒ D. BA

Q.64 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

OSW 24, GKO 35, YCG 46, QUY 57, IMQ 68, ?

- Ans** ☒ A. AEI 79
☐ B. AIE 79
☐ C. AEI 78
☐ D. AOI 79

Q.65 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 1 5 3 7 2 8 4 9 6 1 3 7 5 4 2 8 9 6 3 7 1 5 4 9 8 2 6 (Right)

How many times does the perfect cube appear in the given series?

- Ans** ☐ A. Nine
☐ B. Seven
☒ C. Six
☐ D. Eleven

Q.66 All 37 students in a class are standing in a row facing north. Nisha is 13th from the left end while Manasa is 15th from the right end. How many people stand between Nisha and Manasa?

- Ans** ☐ A. 12
☐ B. 7
☒ C. 9
☐ D. 10

Q.67 Devesh starts from Point Y and drives 21 km towards the east. He then takes a left turn, drives 25 km, turns left and drives 67 km. He then takes a right turn and drives 29 km. He takes a right turn, drives 46 km, turns left, drives 41 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans** ☒ A. 95 km towards the south
☐ B. 91 km towards the north
☐ C. 97 km towards the south
☐ D. 93 km towards the south

Q.68 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 letter-cluster pair 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. IM-PK
☐ B. EI-LF
☐ C. GK-NH
☐ D. CG-JD

Q.69 Which letter-cluster will replace the question mark (?) in the following series to make it logically complete?

IXB GWE EVH CUK ?

- Ans** ☒ A. ATN
☐ B. BSN
☐ C. BTM
☐ D. ASM

Q.70 In a certain code language, 'students are learning' is coded as 'ab mn pq' and 'learning is fun' is coded as 'st mn xy'. How is 'learning' coded in the given language?

- Ans** ☒ A. mn
☐ B. xy
☐ C. st
☐ D. ab

Q.71 Jiten starts from Point Y and drives 28 km towards South. He then takes a right turn, drives 71 km, turns left and drives 69 km. He then takes a left turn and drives 44 km. He takes a left turn, drives 51 km. He then turns right, drives 27 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

- Ans** ☒ A. 46 km towards north
☐ B. 49 km towards south
☐ C. 44 km towards south
☐ D. 48 km towards north

Q.72 What should come in place of the question mark (?) in the given series?

1, 3, 16, 5, 7, 144, 9, 11, ?

- Ans** ☐ A. 196
☐ B. 169
☒ C. 400
☐ D. 324

Q.73 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 5 2 8 7 4 6 2 5 1 4 9 8 2 6 8 4 1 6 7 3 4 5 2 4 7 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☐ A. One
☐ B. Two
☐ C. More than three
☒ D. Three

Q.74 In a certain code language, 'he fix gadgets' is coded as 'pd rt ds' and 'fix this pen' is coded as 'nq uz pd'. How is 'fix' coded in the given language?

- Ans** ☐ A. nq
☐ B. ds
☐ C. uz
☒ D. pd

Q.75 What should come in place of the question mark (?) in the given series?

721 723 727 733 741 ?

- Ans** ☐ A. 753
☐ B. 749
☒ C. 751
☐ D. 748

Q.76 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4635923, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 10
 - ☒ D. 7

Q.77 What should come in place of the question mark (?) in the given series?

131 102 73 44 15 ?

- Ans**
- ☒ A. -14
 - ☒ B. -11
 - ☒ C. -13
 - ☒ D. -10

Q.78 Each of the digits in the number 2175684 is arranged in ascending order from left to right. The positions of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. None

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. HKM
 - ☒ B. XBC
 - ☒ C. JMO
 - ☒ D. PSU

Q.80 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 its 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.)

(9, 31, 26)

(13, 43, 38)

- Ans**
- ☒ A. (15 ,49 ,44)
 - ☒ B. (14, 38, 33)
 - ☒ C. (12, 32, 27)
 - ☒ D. (20, 56, 51)

Q.81 As notified in April 2025, a research study of which of the following institutes revealed that surface ozone is silently threatening India's food crops?

- Ans**
- ☐ A. Indian Institute of Technology, Kanpur
 - ☒ B. Indian Institute of Technology, Kharagpur
 - ☐ C. Indian Institute of Technology, Delhi
 - ☐ D. Indian Institute of Technology, Mumbai

Q.82 Who is the youngest female para swimmer in the world to cross the English Channel and a recipient of the World Open Water Swimming Association (WOWSA) Award, 2024, for Adaptive Performance?

- Ans**
- ☐ A. Prachi Yadav
 - ☐ B. Devanshi Satija
 - ☒ C. Jiya Rai
 - ☐ D. Deepa Malik

Q.83 Which of the following banks launched a TAB-based digital onboarding process for Non-Resident Indians (NRIs) in January 2025?

- Ans**
- ☐ A. Punjab National Bank
 - ☐ B. HDFC Bank
 - ☒ C. State Bank of India
 - ☐ D. ICICI Bank

Q.84 In June 2025, Bhashini signed an MoU with which government entity to integrate real-time translation on passenger platforms?

- Ans**
- ☐ A. Unique Identification Authority of India
 - ☒ B. Centre for Railway Information Systems
 - ☐ C. Ministry of Communications and Information Technology
 - ☐ D. Ministry of Home Affairs

Q.85 How many tribal grassroots functionaries and village-level change leaders does the Aadi KARMAYOGI initiative aim to build for responsive governance?

- Ans**
- ☐ A. 10 lakh
 - ☐ B. 25 lakh
 - ☒ C. 20 lakh
 - ☐ D. 15 lakh

Q.86 Which of the following states/Union Territories has the largest number of wildlife sanctuaries as of 2023?

- Ans**
- ☐ A. Kerala
 - ☐ B. Uttar Pradesh
 - ☐ C. West Bengal
 - ☒ D. Andaman & Nicobar

Q.87 Who became the first Indian chess player to rank World No. 1 in live chess ratings in 2025?

- Ans**
- ☐ A. Viswanathan Anand
 - ☐ B. Arjun Erigaisi
 - ☐ C. D Gukesh
 - ☒ D. R Praggnanandhaa

Q.88 In January 2025, President Droupadi Murmu, at Rashtrapati Bhavan, honoured which specific para-athlete with the Major Dhyan Chand Khel Ratna Award?

- Ans**
- ☐ A. Preeti Pal
 - ☐ B. Devendra Jhajharia
 - ☐ C. Nishad Kumar
 - ☒ D. Praveen Kumar

Q.89 The Indian Army contingent that took part in the fourth edition of Exercise AUSTRALIND 2025 held in Australia was commanded by a battalion of ____.

- Ans**
- ☐ A. Madras Regiment
 - ☐ B. Sikh Regiment
 - ☒ C. Gorkha Rifles
 - ☐ D. Rajput Regiment

Q.90 In January 2025, in which city did the NDRF launch a rescue operation after a boat capsized?

- Ans**
- ☐ A. Nashik
 - ☒ B. Varanasi
 - ☐ C. Ujjain
 - ☐ D. Patna

Q.91 The Corruption Perceptions Index 2024, released by Transparency International in February 2025, ranked which country as the least corrupt?

- Ans**
- ☐ A. Finland
 - ☐ B. Switzerland
 - ☒ C. Denmark
 - ☐ D. Singapore

Q.92 Which authority of India hosted the 25th Meeting of the South Asian Telecommunication Regulators' Council (SATRC-25)?

- Ans**
- ☒ A. Telecom Regulatory Authority of India
 - ☐ B. National Informatics Centre
 - ☐ C. Department of Telecommunications
 - ☐ D. Ministry of Communications

Q.93 Which round of talks between India and the European Union for a Free Trade Agreement kicked off on 12 May 2025, in Brussels?

- Ans**
- ☐ A. 13th
 - ☒ B. 11th
 - ☐ C. 9th
 - ☐ D. 7th

Q.94 Which of the following countries became the member of National Development Bank in May 2025?

- Ans**
- ☒ A. Algeria
 - ☐ B. Egypt
 - ☐ C. Bangladesh
 - ☐ D. United Arab Emirates

Q.95 What is the new Loan-to-Value (LTV) ratio, set by the Reserve Bank of India for loans below ₹2.5 lakh in June 2025?

- Ans**
- ☐ A. 75%
 - ☒ B. 85%
 - ☐ C. 70%
 - ☐ D. 80%

Q.96 As reported in July 2025, what is the name of the new ultra-rare blood antigen discovered in a woman from the Kolar district of Karnataka?

- Ans**
- ☐ A. CRAB
 - ☒ B. CRIB
 - ☐ C. CROB
 - ☐ D. BRIB

Q.97 How much accident compensation was announced by Indian railways in June 2025 for its employees without paying any insurance premium?

- Ans**
- ☒ A. ₹1 crore
 - ☐ B. ₹1.5 crore
 - ☐ C. ₹25 lakh
 - ☐ D. ₹50 lakh

Q.98 In June 2025, which director turned cinema by converting toy-train coaches into a screening venue at Kurseong?

- Ans**
- ☐ A. Girija Devi
 - ☐ B. Rohit Shetty
 - ☐ C. Ravi Shankar
 - ☒ D. Rishav Choudhary

Q.99 In which event did Bindyarani Devi set a new national record at the Dehradun National Games, 2025?

- Ans**
- ☐ A. Snatch (women's 49 kg)
 - ☐ B. Total lift (women's 55 kg)
 - ☒ C. Snatch (women's 55 kg)
 - ☐ D. Clean and jerk (women's 55 kg)

Q.100 According to the Union Budget 2025-26, how many National Centres of Excellence for Skilling are to be set up with global expertise and partnerships to equip Indian youth with the skills required for "Make for India, Make for the World" manufacturing?

- Ans**
- ☐ A. 4
 - ☒ B. 5
 - ☐ C. 10
 - ☐ D. 1



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Om Infotech Solutions
Test Date	10/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What is the chemical formula of Plaster of Paris?

- Ans
- ☐ A. CaSO_4
 - ☐ B. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
 - ☒ C. $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$
 - ☐ D. CaCO_3

Q.2 Which of the following statements about meristematic tissues is INCORRECT?

- Ans
- ☒ A. Meristematic cells are dead at maturity.
 - ☐ B. Cells are small, thin-walled, and densely cytoplasmic with large nuclei.
 - ☐ C. Meristematic tissues consist of actively dividing cells.
 - ☐ D. Enable lifelong growth in plants.

Q.3 Which of the following characteristics of connective tissue is INCORRECT?

- Ans
- ☒ A. Cells are tightly arranged.
 - ☐ B. Cells are embedded in an intercellular matrix.
 - ☐ C. Matrix may be jelly-like, fluid, dense or rigid.
 - ☐ D. Blood is a type of connective tissue.

Q.4 Which of the following explains a precipitation reaction?

- Ans
- ☐ A. A reaction in which a gas is formed
 - ☐ B. A reaction where heat is released
 - ☒ C. A reaction where an insoluble solid is formed
 - ☐ D. A reaction involving a color change only

Q.5 A sound wave has a frequency of 250 Hz. The time taken for one complete vibration is:

- Ans
- ☐ A. 4.0 s
 - ☐ B. 0.25 s
 - ☒ C. 0.004 s
 - ☐ D. 0.40 s

Q.6 Which of the following bond is made up of a large number of organic compounds?

- Ans**
- ☐ A. Dipolar bond
 - ☐ B. Ionic bond
 - ☐ C. Metallic bond
 - ☒ D. Covalent bond

Q.7 The equivalent resistance in a parallel combination is:

- Ans**
- ☐ A. greater than the largest resistance
 - ☐ B. the sum of all resistances
 - ☒ C. smaller than the smallest resistance
 - ☐ D. equal to the largest resistance

Q.8 When a gun is fired, why does the gun experience a recoil even though the bullet moves forward?

- Ans**
- ☐ A. Because the gun's mass is smaller than the bullet's
 - ☒ B. Because the bullet exerts an equal and opposite force on the gun
 - ☐ C. Because the bullet's acceleration is less than the gun's
 - ☐ D. Because the gun pushes the bullet forward with less force

Q.9 The smell of hot food reaches a distance because:

- Ans**
- ☐ A. temperature increases food weight
 - ☐ B. light energy spreads aroma particles
 - ☐ C. sound waves carry the food smell
 - ☒ D. particles are continuously moving

Q.10 Which of the following is a property of suspension?

- Ans**
- ☐ A. Particles cannot be seen by naked eyes.
 - ☐ B. Solute particles cannot be separated by the process of filtration
 - ☒ C. Suspension is a heterogeneous mixture
 - ☐ D. Particles do not settle

Q.11 Washing soda is added to water during washing clothes?

- Ans**
- ☐ A. To add fragrance to clothes.
 - ☐ B. To bleach clothes.
 - ☐ C. To prevent clothes getting wrinkles.
 - ☒ D. To make hard water soft.

Q.12 The direction of the magnetic field at the centre of a current-carrying circular loop can be determined by:

- Ans**
- ☒ A. Right-hand rule (curling fingers along current)
 - ☐ B. Left-hand thumb rule
 - ☐ C. Right-hand palm rule
 - ☐ D. Fleming's left-hand rule

Q.13 Which of the following elements shows +2 valency?

- Ans**
- ☐ A. Helium
 - ☐ B. Lithium
 - ☒ C. Beryllium
 - ☐ D. Hydrogen

Q.14 Which one of the following is NOT an agent of cross pollination?

- Ans**
- ☐ A. Wind
 - ☐ B. Water
 - ☒ C. Light
 - ☐ D. Animals

Q.15 What happens to a light ray when it passes through the optical centre of a lens?

- Ans**
- ☐ A. It will emerge parallel to the principal axis
 - ☐ B. It passes through the principal focus on the other side of the lens
 - ☒ C. It will emerge without any deviation
 - ☐ D. It bends toward the principal axis

Q.16 What is the network of tiny tubular structures found in the cytoplasm of eukaryotic cells called?

- Ans**
- ☐ A. Golgi apparatus
 - ☒ B. Endoplasmic reticulum
 - ☐ C. Lysosome
 - ☐ D. Mitochondria

Q.17 When you sit on a chair, the chair exerts an upward force on you. The reaction force in this case is:

- Ans**
- ☒ A. Your weight acting downward on the chair
 - ☐ B. Friction between your clothes and the chair
 - ☐ C. Force of air on the chair
 - ☐ D. Gravitational pull of the Earth

Q.18 Which of the following is true for suspension?

- a. Suspension is a heterogeneous mixture.
- b. The particles of a suspension scatter a beam of light passing through it.
- c. The particles of a suspension can be seen by the naked eye.

- Ans**
- ☐ A. Only a and b
 - ☒ B. a, b and c
 - ☐ C. Only a and c
 - ☐ D. Only a

Q.19 Which of the following is NOT necessary for work to be done on a body?

- Ans**
- ☐ A. The force must have a component along the direction of displacement.
 - ☐ B. A force must be applied on the body.
 - ☐ C. The body must get displaced.
 - ☒ D. The body must move at a constant speed.

Q.20 A concave mirror can form a real and inverted image when the object is placed:

- Ans**
- ☐ A. Very close to the mirror
 - ☐ B. Between focus and pole
 - ☐ C. At the focus
 - ☒ D. Beyond the centre of curvature

Q.21 Which of the following methods of asexual reproduction allows a new organism to develop from a cut or broken body part?

- Ans
- ☐ A. Binary fission
 - ☒ B. Fragmentation
 - ☐ C. Budding
 - ☐ D. Spore formation

Q.22 Which of the following types of animal husbandry helps us in honey production?

- Ans
- ☐ A. Culture fishery
 - ☐ B. Poultry
 - ☐ C. Cattle farming
 - ☒ D. Bee-keeping

Q.23 A school organises a 'Zero Waste' day. Which of the following practices will best support this initiative?

- Ans
- ☐ A. Wrapping snacks in plastic foil
 - ☐ B. Disposing food waste in regular trash bins
 - ☐ C. Using single-use plastic cutlery
 - ☒ D. Serving food in banana leaves or reusable plates

Q.24 Which of the following is true about the universal gravitational constant G?

- Ans
- ☐ A. It depends on the medium between two masses.
 - ☒ B. It is a universal constant, same everywhere.
 - ☐ C. It is equal to the acceleration due to gravity.
 - ☐ D. It varies from place to place on Earth.

Q.25 Read the given statements as select the most appropriate option.

Statements:

A: Small bulb like projection from yeast cell is bud.

B: Chain of bud formation is found in the budding process of yeast.

- Ans
- ☒ A. Both Statement A and Statement B are correct
 - ☐ B. Both Statement A and Statement B are incorrect
 - ☐ C. Statement A is correct and Statement B is incorrect
 - ☐ D. Statement B is correct and Statement A is incorrect

Section : Mathematics

Q.26 Two trains, 295 m and 215 m in length are running in opposite directions. The first runs at the rate of 61 km/hr and the second at the rate of 47 km/hr. How long will they take to cross each other?

- Ans
- ☒ A. 17 seconds
 - ☐ B. 12 seconds
 - ☐ C. 23 seconds
 - ☐ D. 24 seconds

Q.27 If 9 is subtracted from the numerator of a fraction, it becomes $\frac{2}{9}$, and

What is the sum of the numerator and the denominator of the original

- Ans
- ☐ A. 63
 - ☒ B. 64
 - ☐ C. 61
 - ☐ D. 62

Q.28 The ratio of the two sides of a rectangle is 2 : 3. If the area of the rectangle is 2646 cm², then its perimeter is ____ cm.

- Ans** ☒ A. 200
☒ B. 210
☒ C. 220
☒ D. 212

Q.29 Walking at $\frac{2}{3}$ rd of his normal speed, Abhijeet is 18 minutes late in reaching his home. The usual time taken by him to cover the distance between his home and his office is _____ minutes.

- Ans** ☒ A. 37 minutes
☒ B. 41 minutes
☒ C. 36 minutes
☒ D. 35 minutes

Q.30 ₹567 is divided among Arjun, Nisha and Gaurav in such a way that if ₹10, ₹45 and ₹39 are deducted from their respective shares, they have money in the ratio 3:6:2. Find the actual share of Nisha.

- Ans** ☒ A. ₹358
☒ B. ₹408
☒ C. ₹308
☒ D. ₹303

Q.31 If $p : q : r = 8 : 5 : 12$ and $r : s = 36 : 18$, then what is the value of $p : q : r : s$?

- Ans** ☒ A. 24:15:36:18
☒ B. 21:21:39:22
☒ C. 22:18:40:19
☒ D. 23:18:38:24

Q.32 From the top of a tower of height 10 m, a boy observes a car on the ground moving away from the base of the tower. If the angle of depression of the car changes from 60° to 30°, how far has the car moved during this time?

- Ans** ☒ A. 10 m
☒ B. $\left(10\sqrt{3} - \frac{10}{\sqrt{3}}\right)$ m
☒ C. $10(\sqrt{3} + 1)$ m
☒ D. $(10\sqrt{3} + 1)$ m

Q.33 The sides of a triangle are 77 cm, 36 cm and 85 cm. What is the length of its altitude corresponding to the side with the length of 36 cm?

- Ans** ☒ A. 43 cm
☒ B. 89 cm
☒ C. 77 cm
☒ D. 53 cm

Q.34 If 20% of 90% of $\frac{5}{9}$ of a number is 345, find the number.

- Ans** ☒ A. 3450
☒ B. 7190
☒ C. 5790
☒ D. 6790

Q.35 Two outlet pipes, A and B, can separately empty a full tank in 17 hours and 15 hours, respectively. Both the outlet pipes are opened together for 'x' hours. Had outlet pipe B been opened alone, it would have taken (x + 5) hours to empty the same quantity of water from the tank. What is the value of x?

- Ans**
- ☐ A. $5\frac{1}{3}$
 - ☒ B. $5\frac{2}{3}$
 - ☐ C. $4\frac{1}{3}$
 - ☐ D. $4\frac{2}{3}$

Q.36 The age of a mother is three times the age of her daughter. After 12 years, the mother's age will be twice the daughter's age. Find the present age of the mother.

- Ans**
- ☒ A. 36 years
 - ☐ B. 48 years
 - ☐ C. 40 years
 - ☐ D. 44 years

Q.37 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Manjit borrowed an amount of ₹2,20,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Manjit after 2 years.

- Ans**
- ☐ A. 18,600
 - ☐ B. 19,100
 - ☐ C. 17,100
 - ☒ D. 17,600

Q.38 $\frac{1}{20}$ is what percentage of $\frac{2}{40}$?

- Ans**
- ☐ A. 115%
 - ☐ B. 200%
 - ☒ C. 100%
 - ☐ D. 110%

Q.39 The HCF of $\frac{1}{2}$, $\frac{3}{4}$, $\frac{27}{16}$ and $\frac{81}{64}$ is:

- Ans**
- ☐ A. $\frac{9}{64}$
 - ☒ B. $\frac{1}{64}$
 - ☐ C. $\frac{81}{64}$
 - ☐ D. $\frac{243}{256}$

Q.40 The income of Raman is ₹49,000. He saves 27.5% of his income. If his income increases by 34% and expenditure increases by 20%, then his savings will:

- Ans**
- ☐ A. increase by ₹9,559
 - ☐ B. decrease by ₹9,550
 - ☒ C. increase by ₹9,555
 - ☐ D. decrease by ₹9,556

Q.41 A, B and C can do a piece of work in 3, 6 and 4 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans
- ☐ A. 12
 - ☐ B. 5
 - ☐ C. 8
 - ☒ D. 4

Q.42 Simplify the following.

$$(\sqrt{6} \times \sqrt{15} - 5\sqrt{10}) + 3\sqrt{10}$$

- Ans
- ☐ A. 10
 - ☐ B. $\sqrt{15}$
 - ☒ C. $\sqrt{10}$
 - ☐ D. $\sqrt{5}$

Q.43 A shopkeeper marks his goods at X% above the cost price and sells them at a discount of 48%. If he makes a profit of 82%, find the value of X.

- Ans
- ☐ A. 251
 - ☒ B. 250
 - ☐ C. 249
 - ☐ D. 248

Q.44 The average age of 38 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

- Ans
- ☒ A. 60
 - ☐ B. 62
 - ☐ C. 57
 - ☐ D. 59

Q.45 If $x^2 + \frac{1}{x^2} = 123$, then a possible value of $(x - \frac{1}{x})$ is:

- Ans
- ☐ A. 12
 - ☒ B. 11
 - ☐ C. 10
 - ☐ D. 13

Q.46 A class of 78 students took a Physics test. 17 students had an average score of 70. The remaining students had an average score of 90. What is the average score (rounded off to one decimal place) of the whole class?

- Ans
- ☐ A. 92.1
 - ☒ B. 85.6
 - ☐ C. 80.7
 - ☐ D. 84.4

Q.47 The wages of 5 carpenters for a 2-day week are ₹1,220. What are the 1-day wages (in ₹) of one carpenter?

- Ans
- ☒ A. 122
 - ☐ B. 245
 - ☐ C. 244
 - ☐ D. 123

Q.48 During a New-Year sale, a company gives a 'Buy 9 Sweaters and Get 1 Free' offer to customers. The percentage discount involved in this deal is:

- Ans** ☒ A. 10%
☒ B. 15%
☒ C. 12%
☒ D. 8%

Q.49 An article is sold at a gain of 30%. Had it been sold for ₹48 more, the profit would have been 35%. The cost price of the article is:

- Ans** ☒ A. ₹318
☒ B. ₹480
☒ C. ₹636
☒ D. ₹960

Q.50 The radii of two cylinders is in the ratio 3 : 4 and their heights is in the ratio 5 : 2. The ratio of their volumes will be:

- Ans** ☒ A. 22 : 17
☒ B. 8 : 15
☒ C. 28 : 41
☒ D. 45 : 32

Section : General Intelligence and Reasoning

Q.51 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$81 \times 9 - 11 \div 2 + 6 = ?$$

- Ans** ☒ A. 25
☒ B. 26
☒ C. 24
☒ D. 23

Q.52 Six people, A, B, C, D, E and F, are sitting in a row facing north. Only three people are sitting to the right of A. Only one person is sitting between A and C. E is sitting second to the extreme left end of the row. B is not the immediate neighbour of A. F is sitting to the immediate left of B. F is sitting to the immediate right of A. Who is sitting at the extreme left end of the row?

- Ans** ☒ A. C
☒ B. E
☒ C. D
☒ D. B

- Q.53** 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:

All Titanium are Tungsten.
Some Tungsten are Lead.
Some Lead are Cadmium.

Conclusions:

(I) Some Lead are Titanium.
(II) No Cadmium are Tungsten.

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

- Q.54** In a certain code language,
A + B means 'A is the daughter of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D + F - G x H ÷ J'?

- Ans** ☒ A. Mother's brother's daughter
☐ B. Mother's brother's wife
☐ C. Father's brother's wife
☐ D. Father's brother's daughter

- Q.55** Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and B. Only K is kept above I. Only two boxes are kept between K and J. C is kept at some place below L but at some place above D. How many boxes are kept between C and L?

- Ans** ☐ A. Two
☐ B. Four
☒ C. One
☐ D. Three

- Q.56** What should come in place of the question mark (?) in the given series?

11 13 16 20 '?' 31

- Ans** ☐ A. 28
☒ B. 25
☐ C. 23
☐ D. 29

- Q.57** Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 * 1 & 1 6 \$ © * 3 8 # © € 1 & © 1 © 8 % 4 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☒ A. 2
☐ B. 5
☐ C. 4
☐ D. 1

Q.58 RL 12 is related to VQ 16 in a certain way. In the same way, NH 15 is related to RM 19. To which of the given options is IC 24 related, following the same logic?

- Ans**
- ☒ A. LG 29
 - ☒ B. KJ 28
 - ☒ C. MH 28
 - ☒ D. KH 29

Q.59 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 480, 10)
(12, 552, 23)

- Ans**
- ☒ A. (19, 691, 18)
 - ☒ B. (4, 80, 10)
 - ☒ C. (13, 293, 11)
 - ☒ D. (11, 51, 2)

Q.60 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 4 1 9 2 5 8 1 4 6 8 7 2 4 1 6 8 7 2 6 4 9 3 5 1 7 1 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. Two
 - ☒ B. More than three
 - ☒ C. Three
 - ☒ D. One

Q.61 Seven people, B, C, D, I, J, K and L, are sitting around a circular table facing the centre of the table. I sits to the immediate left of D. J is the immediate neighbour of both B and K. K sits third to the left of D. L is not an immediate neighbour of K. Who sits second to the right of C?

- Ans**
- ☒ A. D
 - ☒ B. I
 - ☒ C. K
 - ☒ D. J

Q.62 HM 16 is related to JQ 19 in a certain way. In the same way, CH 22 is related to EL 25. To which of the given options is MR 27 related, following the same logic?

- Ans**
- ☒ A. QV 30
 - ☒ B. QV 29
 - ☒ C. QZ 29
 - ☒ D. OV 30

Q.63 What should come in place of the question mark (?) in the given series?

127 135 145 157 171 ?

- Ans**
- ☒ A. 191
 - ☒ B. 187
 - ☒ C. 185
 - ☒ D. 189

Q.64 XQ 4 is related to ZV -10 in a certain way. In the same way, OH 8 is related to QM -6. To which of the given options is SL 12 related, following the same logic?

- Ans**
- ☒ A. UQ -2
 - ☐ B. VQ -3
 - ☐ C. JA -8
 - ☐ D. QX -6

Q.65 Raman starts from Point A and drives 44 km towards east. He then takes a right turn, drives 20 km, turns right and drives 52 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 9 km to the north
 - ☒ B. 10 km to the south
 - ☐ C. 7 km to the south
 - ☐ D. 8 km to the south

Q.66 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 plastics are metals.
All glasses are metals.

Conclusions:

(I) Some plastics are glasses.
(II) All metals are glasses.

- 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.67 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 & & 8 2 * 1 © \$ 1 4 % £ 6 © 3 % 9 # 8 9 3 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ A. 1
 - ☐ B. 2
 - ☐ C. 0
 - ☐ D. 3

Q.68 Amit ranked 14th from the top and 55th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 68
 - ☐ B. 66
 - ☐ C. 69
 - ☐ D. 67

Q.69 A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits third to the right of A. D sits to the immediate left of B. B is not an immediate neighbour of A. F sits to the immediate right of C. The position(s) of how many persons will remain unchanged if all the persons are arranged in the English alphabetical order in the clockwise direction starting from A (including A)?

- Ans** ☒ A. Two
☐ B. One
☐ C. Three
☐ D. Four

Q.70 In a certain code language, 'bat fan world' is coded as 'vd ru ua' and 'world olive union' is coded as 'ru bi rl'. How is 'world' coded in that language?

- Ans** ☒ A. ru
☐ B. bi
☐ C. vd
☐ D. ua

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?

$$6 D 18 A 9 C 3 B 4 = ?$$

- Ans** ☐ A. 14
☐ B. 17
☐ C. 15
☒ D. 16

Q.72 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 7894562, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans** ☐ A. 15
☐ B. 13
☒ C. 16
☐ D. 17

Q.73 Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right,

(Left) 9 3 2 2 4 6 1 7 7 5 8 7 6 9 5 2 4 7 8 5 3 7 8 4 2 6 7 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 5
☐ B. 2
☐ C. 4
☒ D. 3

Q.74 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. LOH
☒ B. ORL
☐ C. GJC
☐ D. ILE

Q.75 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PPE NOH LNK JMN ?

- Ans**
- ☒ A. HYU
 - ☒ B. HLQ
 - ☒ C. LPI
 - ☒ D. YHT

Q.76 In a certain code language, 'tree third woman' is coded as 'hw gw aa' and 'ivy tree army' is coded as 'aa hi wz'. How is 'tree' coded in that language?

- Ans**
- ☒ A. aa
 - ☒ B. gw
 - ☒ C. hi
 - ☒ D. hw

Q.77 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 letter-cluster pair 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. AE-HD
 - ☒ B. GK-NI
 - ☒ C. JN-QL
 - ☒ D. DH-KF

Q.78 Aasish starts from point A and drives 62 km towards west. He then takes a right turn, drives 58 km, turns right and drives 64 km. He then takes a right turn and drives 78 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 17 km to the south
 - ☒ B. 20 km to the north
 - ☒ C. 18 km to the south
 - ☒ D. 19 km to the north

Q.79 Which of the following numbers will replace the question mark (?) in the given series?

20, 20, 400, 23, 23, 529, 26, 26, ?

- Ans**
- ☒ A. 676
 - ☒ B. 861
 - ☒ C. 661
 - ☒ D. 761

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LR21 MS30 NT39 OU48 ?

- Ans**
- ☒ A. PV58
 - ☒ B. PU58
 - ☒ C. PU57
 - ☒ D. PV57

Section : General Awareness and Current Affairs

Q.81 What is the total amount allocated to the Ministry of Youth Affairs and Sports in the union budget 2025-2026?

- Ans**
- ☐ A. ₹1,000 crore
 - ☐ B. ₹5,000 crore
 - ☐ C. ₹2,500 crore
 - ☒ D. ₹3,794 crore

Q.82 Which of the following specific subgroup receives treatment for diarrhoea under the Stop Diarrhoea Campaign launched in June/July 2025?

- Ans**
- ☒ A. Children under five suffering from diarrhoea
 - ☐ B. Rural children above six years with diarrhoea
 - ☐ C. Pregnant women experiencing diarrhoea
 - ☐ D. School-going children with diarrhoea

Q.83 Which of the following groups received Personal Protective Equipment kits from the Ministry of Social Justice and Empowerment during National Action for Mechanised Sanitation Ecosystem Day in July 2025?

- Ans**
- ☐ A. Farmers working in rural areas
 - ☐ B. Anganwadi workers in community centres
 - ☐ C. Teachers working in government schools
 - ☒ D. Sewer and septic tank workers

Q.84 Which among the following organisations released the Supervisory Data Quality Index (sDQI) report in March 2025?

- Ans**
- ☐ A. National Payments Corporation of India (NPCI)
 - ☐ B. Securities and Exchange Board of India (SEBI)
 - ☐ C. State Bank of India (SBI)
 - ☒ D. Reserve Bank of India (RBI)

Q.85 As per the Economic Survey 2024-25, during April–September period of financial year 2024-25, the insurance sector attracted about how much percentage Foreign Direct Investment (FDI) into the services sector?

- Ans**
- ☐ A. 76%
 - ☒ B. 62%
 - ☐ C. 68%
 - ☐ D. 55%

Q.86 Who among the following was appointed as the first female chief of MI6 in June 2025?

- Ans**
- ☐ A. Anne Keast-Butler
 - ☒ B. Blaise Metreweli
 - ☐ C. Barbara Woodward
 - ☐ D. Stella Rimington

Q.87 When was the Pan-India Fire Safety Week observed by the Ministry of Health and Family Welfare in April 2025?

- Ans**
- ☐ A. April 18–22
 - ☒ B. April 21–25
 - ☐ C. April 14–18
 - ☐ D. April 25–29

Q.88 Who became the first Indian to receive the prestigious Fred Darrington Sand Master Award in April 2025?

- Ans**
- ☐ A. Raghunath Mohapatra
 - ☐ B. M.F. Husain
 - ☒ C. Sudarsan Pattnaik
 - ☐ D. Subodh Gupta

Q.89 What was the cash prize awarded to the winner of the inaugural 2025 Dow Impact Award for innovation and sustainability in golf?

- Ans**
- ☐ A. \$48,000
 - ☐ B. \$35,000
 - ☒ C. \$25,000
 - ☐ D. \$20,000

Q.90 In May 2025, in which state did the Defence Research and Development Organisation (DRDO) successfully conduct the maiden flight-trial of its Stratospheric Airship Platform?

- Ans**
- ☐ A. Rajasthan
 - ☒ B. Madhya Pradesh
 - ☐ C. Maharashtra
 - ☐ D. Andhra Pradesh

Q.91 Who won the 2025 Laureus World Sportsman of the Year?

- Ans**
- ☐ A. Max Verstappen
 - ☐ B. Tadej Pogačar
 - ☒ C. Armand 'Mondo' Duplantis
 - ☐ D. Carlos Alcaraz

Q.92 Which of the following countries hosted the AI Action Summit 2025 held in February 2025?

- Ans**
- ☐ A. India
 - ☒ B. Paris
 - ☐ C. Japan
 - ☐ D. United States

Q.93 In which country did the Indian Army participate in the multinational peacekeeping Exercise Khaan Quest 2025 held in June 2025?

- Ans**
- ☐ A. South Africa
 - ☒ B. Mongolia
 - ☐ C. Turkmenistan
 - ☐ D. Belarus

Q.94 Who is the recipient of the 2025 PSA Women's Young Player of the Season Award?

- Ans**
- ☐ A. Anaka Alankamony
 - ☐ B. Dipika Pallikal
 - ☐ C. Joshna Chinappa
 - ☒ D. Anahat Singh

Q.95 Which legislation enacted in August 2025 provides a regulatory framework for safe online gaming in India and aims to protect citizens from the threat of online money-gaming activities?

- Ans**
- ☐ A. The Online Gaming (Control and Regulation) Bill, 2025
 - ☐ B. The Responsible Digital Gaming Bill, 2025
 - ☐ C. The Internet Safety and Gaming Bill, 2025
 - ☒ D. The Promotion and Regulation of Online Gaming Bill, 2025

Q.96 According to the the Sustainable Development Report 2025, what is the percentage of the population with access to electricity in India?

- Ans**
- ☐ A. 89.8%
 - ☒ B. 99.2%
 - ☐ C. 97.3%
 - ☐ D. 95.8%

Q.97 Menar, one of the newly added wetlands to Ramsar sites, is located in which state?

- Ans**
- ☐ A. Gujarat
 - ☐ B. Goa
 - ☒ C. Rajasthan
 - ☐ D. Maharashtra

Q.98 Which of the following Government of India initiatives focuses on advancing research and development in emerging areas such as quantum computing, communication, and sensing with a budget outlay of around ₹6,000 crore for 2023–2031?

- Ans**
- ☐ A. National Nanotechnology Mission (NNM)
 - ☐ B. National Supercomputing Mission (NSM)
 - ☒ C. National Quantum Mission (NQM)
 - ☐ D. Digital India Mission

Q.99 How long was the planned duration of the Ax-4 mission aboard the ISS?

- Ans**
- ☐ A. 24–31 days
 - ☐ B. 44–51 days
 - ☒ C. 14–21 days
 - ☐ D. 64–71 days

Q.100 Which day is recognised to promote cycling as a sustainable mode of transport internationally and India as well?

- Ans**
- ☐ A. 12 April
 - ☐ B. 13 February
 - ☐ C. 12 May
 - ☒ D. 3 June



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Sector 62
Test Date	10/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements about complex permanent tissue is correct?

- Ans ☒ A. Xylem and phloem are complex tissues that help in conduction and form vascular bundles.
☒ B. Complex tissues are made of identical cells performing different functions.
☒ C. Complex tissues consist of loosely packed parenchyma cells for storage.
☒ D. Complex tissues are only found in animals for transporting oxygen.

Q.2 Which of the following observations from Rutherford's alpha-particle scattering experiment led to the conclusion that most of the atom's volume is empty?

- Ans ☒ A. A few alpha particles were deflected by 180°.
☒ B. Alpha particles were attracted towards electrons in the atom.
☒ C. Most of the alpha particles passed straight through the gold foil.
☒ D. Some alpha particles were deflected by small angles.

Q.3 Propanone belongs to which homologous series?

- Ans ☒ A. Ketone
☒ B. Ester
☒ C. Alcohol
☒ D. Aldehyde

Q.4 Which of the following statements correctly defines the principal axis of a spherical mirror?

- Ans ☒ A. The perpendicular line drawn from the pole
☒ B. The line passing through the centre of curvature and pole
☒ C. The tangent at the pole
☒ D. The line passing through the focus and object

Q.5 Which of the following substances have a high chance of contributing to the phenomenon of biological magnification?

- Ans ☒ A. Orange peel
☒ B. Neem bark
☒ C. Rose petals
☒ D. Pesticide

Q.6 Which of the following tissues have contractile proteins that contract and relax to cause movement?

- Ans**
- ☐ A. Nervous tissue
 - ☒ B. Muscular tissue
 - ☐ C. Cuboidal epithelium tissue
 - ☐ D. Squamous epithelium tissue

Q.7 Consider the following statements and select the correct option.

Statement A: Salts of strong acids and strong bases are neutral with pH 7.

Statement B: Sodium chloride is an example of a neutral salt.

- Ans**
- ☐ A. Statement A is correct but B is incorrect.
 - ☒ B. Both statements A and B are correct.
 - ☐ C. Both statements A and B are incorrect.
 - ☐ D. Statement A is incorrect but B is correct.

Q.8 What are the unwanted impurities such as soil and sand present in an ore called?

- Ans**
- ☐ A. Alloy
 - ☐ B. Flux
 - ☒ C. Gangue
 - ☐ D. Slag

Q.9 The angle between the incident ray and the emergent ray from a prism is called _____.

- Ans**
- ☒ A. Angle of deviation
 - ☐ B. Angle of incidence
 - ☐ C. Critical angle
 - ☐ D. Angle of prism

Q.10 In sexually reproducing organisms, how many versions of each trait does a child inherit?

- Ans**
- ☐ A. One version in total
 - ☐ B. One version from father only
 - ☐ C. Two versions from the mother only
 - ☒ D. One version from each parent

Q.11 What type of solution causes water to move out of a cell through the plasma membrane, making the cell shrink?

- Ans**
- ☐ A. Isotonic solution
 - ☒ B. Hypertonic solution
 - ☐ C. Hypotonic solution
 - ☐ D. Dilute solution

Q.12 What is an ion in chemistry?

- Ans**
- ☐ A. A neutral molecule of atom
 - ☒ B. A charged atom or molecule
 - ☐ C. A radioactive stable particle
 - ☐ D. An atom with only neutrons

Q.13 Three resistors of $4\ \Omega$, $8\ \Omega$, and $12\ \Omega$ are connected in series across a 12 V battery. The current in the circuit is:

- Ans
- ☐ A. 2 A
 - ☐ B. 4 A
 - ☐ C. 1 A
 - ☒ D. 0.5 A

Q.14 In which of the following groups of organisms sex determination occurs due to environmental temperature?

- Ans
- ☒ A. Few reptiles
 - ☐ B. All fishes
 - ☐ C. Human beings
 - ☐ D. All birds

Q.15 Which of the following statements about the Archimede's Principle is correct?

- Ans
- ☒ A. When a body is immersed fully or partially in a fluid, it experiences an upward force that is equal to the weight of the fluid displaced by it.
 - ☐ B. When a body is immersed fully or partially in a fluid, it experiences a downward force that is much less than the weight of the fluid displaced by it.
 - ☐ C. When a body is immersed fully or partially in a fluid, it experiences a downward force that is equal to the weight of the fluid displaced by it.
 - ☐ D. When a body is immersed fully or partially in a fluid, it experiences an upward force that is much less than the weight of the fluid displaced by it.

Q.16 The calculated formula unit mass of Na_2SO_4 is:

- Ans
- ☐ A. 148 u
 - ☐ B. 140 u
 - ☒ C. 142 u
 - ☐ D. 146 u

Q.17 Which of the following statements is correct about the force?

- Ans
- ☐ A. Force is a scalar quantity measured in Newton.
 - ☐ B. Force is a scalar quantity measured in Joule.
 - ☒ C. Force is a vector quantity measured in Newton.
 - ☐ D. Force is a vector quantity measured in Joule.

Q.18 Which of the following statements is true?

- Ans
- ☒ A. More work done in less time means more power.
 - ☐ B. Work done does not affect power.
 - ☐ C. Power decreases when work increases.
 - ☐ D. Power and work are independent of each other.

Q.19 Which of the following is an advantage of vegetative propagation?

- Ans
- ☐ A. Plants grown this way take longer to bear fruits.
 - ☐ B. All new plants are genetically different from the parent.
 - ☒ C. It allows propagation of seedless plants such as banana.
 - ☐ D. It requires cross-pollination to occur.

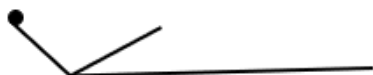
Q.20 Why the manufacturers of chips flush chips bags with nitrogen before packing?

- Ans
- ☐ A. Nitrogen prevents reduction of oil.
 - ☒ B. Nitrogen prevents rancidity.
 - ☐ C. Nitrogen acts as preservative.
 - ☐ D. Nitrogen acts as taste enhancer.

Q.21 Washing soda is prepared by heating which compound?

- Ans**
- ☐ A. Calcium oxide
 - ☐ B. Sodium chloride
 - ☐ C. Calcium carbonate
 - ☒ D. Sodium bicarbonate (baking soda)

Q.22 A smooth ball is resting on an ideal frictionless plane inclined on both sides. The ball is released from the left and the angle of right plane inclination is small in Case-I and zero in Case-II (flat). The ball travels _____ compared to the equally inclined case.



- Ans**
- ☐ A. equal distance in Case-I and moves forever in Case-II
 - ☐ B. small distance in Case-I and equal distance in Case-II
 - ☐ C. equal distance in Case-I and farther distance in Case-II
 - ☒ D. farther distance in Case-I and moves forever in Case-II

Q.23 Which of the following substances is NOT an example of biodegradable substance?

- Ans**
- ☐ A. Vegetable peels
 - ☐ B. Waste paper
 - ☒ C. Plastic bags
 - ☐ D. Spoilt food

Q.24 The frequency of a sound wave is 250 Hz. What is its time period?

- Ans**
- ☐ A. 40 s
 - ☐ B. 0.25 s
 - ☒ C. 0.004 s
 - ☐ D. 25 s

Q.25 If resistors are connected in series, the total or equivalent resistance is _____.

- Ans**
- ☐ A. Product of individual resistances
 - ☐ B. Always less than any single resistor
 - ☐ C. Reciprocal of sum of reciprocals
 - ☒ D. Sum of individual resistances

Section : Mathematics

Q.26 If 20% of a number is added to 72, then the result is the same number. 60% of the same number is:

- Ans**
- ☒ A. 54
 - ☐ B. 74
 - ☐ C. 64
 - ☐ D. 84

Q.27 P is any point inside the rectangle ABCD. If PA = 86 cm, PB = 49 cm and PC = 79 cm, then the length of PD (in cm) is equal to:

- Ans**
- ☐ A. 105
 - ☐ B. 104
 - ☐ C. 107
 - ☒ D. 106

Q.28 If 30 workers earn ₹4140 in 4 days, how much (in ₹) will 55 workers earn in 10 days?

- Ans ☒ A. 18,975
☐ B. 18,725
☐ C. 18,475
☐ D. 19,175

Q.29 A hollow metallic sphere with an external radius of 10 cm and an internal radius of 6 cm is melted and recast into a solid cone with a base radius of 8 cm. What is the height of the cone? (Use $\pi = \frac{22}{7}$)

- Ans ☐ A. 45 cm
☒ B. 49 cm
☐ C. 42 cm
☐ D. 52 cm

Q.30 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Keshav borrowed an amount of ₹4,80,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Keshav after 2 years.

- Ans ☐ A. 35,100
☒ B. 33,600
☐ C. 33,100
☐ D. 34,600

Q.31 The income of Raman is ₹68,500. He saves 22.5% of his income. If his income increases by 14% and expenditure increases by 40%, then his savings will:

- Ans ☐ A. decrease by ₹11,647
☐ B. increase by ₹11,647
☒ C. decrease by ₹11,645
☐ D. increase by ₹11,642

Q.32 A class of 69 students took a Physics test. 17 students had an average score of 94. The other students had an average score of 84. What is the average score (rounded off to one decimal place) of the whole class?

- Ans ☐ A. 95.7
☒ B. 86.5
☐ C. 89.3
☐ D. 82.8

Q.33 A solid sphere of radius 7 cm is coated with a layer of paint that increases its radius to 7.5 cm, find the volume of the painted layer.
(Use $\pi = \frac{22}{7}$ and round off your answer to the nearest integer)

- Ans ☐ A. 330 cm³
☐ B. 440 cm³
☒ C. 331 cm³
☐ D. 442 cm³

Q.34 Five years ago, the ratio of the ages of two buildings was 7 : 2. Five years hence, the ratio will be 3 : 1. What is the present age of the newer building?

- Ans ☐ A. 55 years
☐ B. 50 years
☒ C. 45 years
☐ D. 40 years

Q.35 Amit and Deeksha together invested ₹46,800 in a business. At the end of the year, out of a total profit of ₹8,700, Amit's share was ₹2,900. What was the investment of Amit?

- Ans**
- ☒ A. ₹15,600
 - ☐ B. ₹16,730
 - ☐ C. ₹17,445
 - ☐ D. ₹15,225

Q.36 A flight travels a distance of 1,200 km in 3 hours. What is the speed of the flight?

- Ans**
- ☒ A. 400 km/hr
 - ☐ B. 425 km/hr
 - ☐ C. 200 km/hr
 - ☐ D. 382 km/hr

Q.37 A, B and C can do a piece of work in 2, 5 and 20 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans**
- ☐ A. 12
 - ☐ B. 8
 - ☐ C. 5
 - ☒ D. 4

Q.38 Arrange the following schemes in the ascending order of their discounts.

- A. Buy 3 get 2 free.
- B. A single discount of 65%.
- C. Two successive discounts of 31% and 40%.

- Ans**
- ☐ A. C, B, A
 - ☒ B. A, C, B
 - ☐ C. A, B, C
 - ☐ D. B, A, C

Q.39 If the price of a product is first increased by 18% and then decreased by 22%. Find the percentage change in the price (correct to two places of decimals).

- Ans**
- ☐ A. Increased 7.96%
 - ☒ B. Decreased 7.96%
 - ☐ C. Decreased 5.85%
 - ☐ D. Increased 5.85%

Q.40 A train of length 299 m takes 12 seconds to pass another train 101 m long. If the speed of the first train is 71 km/hr, then find the speed of the second train.

- Ans**
- ☐ A. 41 km/hr
 - ☐ B. 56 km/hr
 - ☐ C. 48 km/hr
 - ☒ D. 49 km/hr

Q.41 A number when multiplied by 3 and then added to 8, results in 29. What is the number?

- Ans**
- ☒ A. 7
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 6

Q.42 Find the value of $\frac{\sin 15^\circ}{\cos 75^\circ} + \frac{\cos 78^\circ}{\sin 12^\circ} - 1$.

- Ans ☐ A. 3
☐ B. 0
☐ C. 2
☒ D. 1

Q.43 The ratio of the price per unit of lemon chocolate to that of strawberry chocolate is 22 : 6, and a family consumes them in the ratio of 14 : 23 by quantity. Determine the ratio of the expenditure on strawberry chocolate to that on lemon chocolate.

- Ans ☐ A. 71 : 159
☒ B. 69 : 154
☐ C. 68 : 157
☐ D. 67 : 156

Q.44 The average age of 25 students of a class is 27 years. If the age of the teacher is also included, the average age of the whole group becomes 28 years. The age (in years) of the teacher is:

- Ans ☐ A. 56
☒ B. 53
☐ C. 52
☐ D. 55

Q.45 A baker sells 100 cupcakes and earns a profit equal to the selling price of 20 cupcakes. What is his profit percentage?

- Ans ☐ A. 18%
☐ B. 33.33%
☒ C. 25%
☐ D. 20%

Q.46 A cistern of dimensions 100 cm × 80 cm × 120 cm is fitted with an inlet pipe and an outlet pipe. The inlet pipe pours in 2000 cm³ of water per minute and the outlet pipe can empty the full tank in 3 hours and 20 minutes. If the tank is full and both pipes are open, then how many hours will it take to empty the cistern?

- Ans ☐ A. 5
☒ B. $5\frac{5}{7}$
☐ C. 4
☐ D. $4\frac{5}{7}$

Q.47 Simplify: $\frac{2^3 \times 3^{-2} \times 5^4}{6^{-1} \times 10^2}$.

- Ans ☐ A. $2^4 \times 3^{-1} \times 5^2$
☐ B. $2^2 \times 3^{-3} \times 5^3$
☐ C. $2^1 \times 3^{-2} \times 5^2$
☒ D. $2^2 \times 3^{-1} \times 5^2$

Q.48 The marked price of a bed is ₹744, which is 36% above the cost price. If the profit percentage is 20%, find the discount percentage (rounded off to two decimal places).

- Ans** ☒ A. 11.76%
☐ B. 10.39%
☐ C. 11.27%
☐ D. 12.89%

Q.49 A camp has provisions for 42 pupils for 12 days. In how many days will the same provisions finish off if the strength of the camp is increased to 63 pupils?

- Ans** ☐ A. 9
☐ B. 7
☐ C. 11
☒ D. 8

Q.50 If $x^2 + \frac{1}{x^2} = 79$, then a possible value of $(x + \frac{1}{x})$ is:

- Ans** ☐ A. 7
☐ B. 8
☐ C. 6
☒ D. 9

Section : General Intelligence and Reasoning

Q.51 P, Q, R, S, T and U are sitting in a row facing the north. S is sitting to the immediate left of Q. P is sitting to the immediate right of Q. U is sitting to the immediate right of P and immediate left of T. S and R are sitting at the ends of the line not necessarily in the same order. Who is sitting to the immediate right of T?

- Ans** ☒ A. R
☐ B. P
☐ C. Q
☐ D. S

Q.52 In a certain code language,

'A ? B' means 'A is the daughter of B',
'A = B' means 'A is the son of B',
'A @ B' means 'A is the father of B' and
'A √ B' means 'A is the sister of B'.

How is C related to L if 'C ? D = E @ F √ L'?

- Ans** ☐ A. Daughter
☒ B. Brother's daughter
☐ C. Brother's wife
☐ D. Sister's daughter

Q.53 What should come in place of the question mark (?) in the given series to make it logically complete?

20 34 21 35 22 36 ?

- Ans** ☒ A. 23
☐ B. 24
☐ C. 37
☐ D. 38

Q.54 This question is based on the five, three-digit numbers given below.

(Left) 316 562 149 379 433 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans
- ☒ A. 11
 - ☒ B. 9
 - ☒ C. 13
 - ☒ D. 15

Q.55 Seven boxes A, B, C, D, I, J and K are kept one over the other but not necessarily in the same order. K is kept second from the bottom. Only three boxes are kept between K and I. D is kept at one of the positions below K. Only B is kept between I and J. A is kept at one of the positions above I. How many boxes are kept between C and D?

- Ans
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. One
 - ☒ D. Two

Q.56 Srinivas ranked 2nd from the top and 19th from the bottom in his class. How many students are there in the class?

- Ans
- ☒ A. 20
 - ☒ B. 21
 - ☒ C. 18
 - ☒ D. 19

Q.57 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4651783. What will be the sum of the highest digit and the second from the left and first from the right in the new number thus formed?

- Ans
- ☒ A. 14
 - ☒ B. 19
 - ☒ C. 16
 - ☒ D. 12

Q.58 Raghu starts from Point Y and drives 18 km towards west. He then turns right and drives 26 km, takes a left turn, drives 30 km, turns left and drives 68 km. He then takes a right turn and drives 31 km. He takes a right turn, drives 42 km, turns left and drives 16 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

- Ans
- ☒ A. 95 km towards east
 - ☒ B. 89 km towards west
 - ☒ C. 97 km towards east
 - ☒ D. 91 km towards west

Q.59 What should come in place of the question mark (?) in the given series?

5 8 14 23 35 50 ?

- Ans**
- ☒ A. 67
 - ☒ B. 68
 - ☒ C. 69
 - ☒ D. 65

Q.60 Refer to the given number, symbol series and answer the question that follows.
(Left) 7 \$ 5 @ 3 ! 3 5 6 7 & % \$ 3 # 2 7 + ? > < (Right)
If all the numbers are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☒ A. @
 - ☒ B. %
 - ☒ C. #
 - ☒ D. \$

Q.61 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SWAP - WSAP - PAWS
ALSO - LASO - OSLA

- Ans**
- ☒ A. USER - SUER - RESU
 - ☒ B. EARN - AERN - ARNE
 - ☒ C. TIDE - ITDE - EIDT
 - ☒ D. CROW - CORW - WORC

Q.62 If 'A' stands for 'x', 'B' stands for '+', 'C' stands for '-' and 'D' stands for '+', what will come in place of the question mark (?) in the following equation?

14 B 2 D 10 A 5 C 12 = ?

- Ans**
- ☒ A. 50
 - ☒ B. 43
 - ☒ C. 48
 - ☒ D. 45

Q.63 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. Only four people sit between B and A when counted from the right of B. B sits third to the left of X. W sits third to the left of Y. C is an immediate neighbour of both A and X. How many people sit between D and C when counted from the right of D?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. Four
 - ☒ D. One

Q.64 In a certain code language, 'CORM' is coded as '9518' and 'MORE' is coded as '5831'. What is the code for 'E' in the given code language?

- Ans**
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 8
 - ☒ D. 5

Q.65 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

ECP 1 GEM -2 IGJ 4 KIG -8 ?

- Ans ☒ A. KMD 15
☒ B. MKD 16
☒ C. MKK -13
☒ D. LKM -19

Q.66 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 books are novels.

All novels are stories.

Conclusions:

(I): Some stories are books.

(II): No books are stories.

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

Q.67 Aditi starts from Point A and drives 10 km towards the west. She then takes a left turn, drives 8 km, turns right and drives 5 km. She then takes a left turn and drives 8 km. She then takes a left turn and drives 15 km. She takes a final right turn, drives 4 km and stops at Point D. How far (shortest distance) and in which direction is Point D with respect from Point A?

(All turns are 90° turns only unless specified.)

- Ans ☒ A. 20 km towards south
☒ B. 16 km towards north
☒ C. 11 km towards east
☒ D. 18 km towards south

Q.68 In a certain code language, 'LOVE' is coded as '4958' and 'VALE' is coded as '3589'. What is the code for 'A' in the given code language?

- Ans ☒ A. 8
☒ B. 5
☒ C. 3
☒ D. 9

Q.69 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) ? * + ? \ & 3 # 9 % 4 1 6 * @ 5 4 8 8 \$ \ (Right)

How many such numbers are there each of which is immediately preceded by another number and also immediately followed by a symbol?

- Ans ☒ A. Two
☒ B. One
☒ C. Three
☒ D. Four

Q.70 O, P, Q, R, W, X and Y are sitting in a straight line facing north.
Only three people sit to the left of P. Only R sits to the right of Q. Only three people sit between Q and O. X sits at some place to the left of Y but at some place to the right of W.
How many people sit between W and Y?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☐ C. Two
 - ☒ D. Three

Q.71 Which letter-cluster will replace the question mark (?) in the following series to make it logically complete?

IDR LGQ OJP RMO ?

- Ans**
- ☐ A. VON
 - ☒ B. UPN
 - ☐ C. VPO
 - ☐ D. UOO

Q.72 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). (Counting to be done from left to right only.)

(Left) 1 3 1 8 9 3 1 9 9 3 4 8 6 3 2 4 7 9 5 5 9 7 5 4 1 5 3 (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. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☒ D. 2

Q.73 TQKG is related to XUOK in a certain way based on the English alphabetical order. In the same way, SPJF is related to WTNJ. To which of the given options is ROIE related, following the same logic?

- Ans**
- ☐ A. UQKI
 - ☐ B. UPKF
 - ☒ C. VSMI
 - ☐ D. VPMF

Q.74 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair 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. VS-DV
 - ☐ B. LI-SL
 - ☐ C. MJ-TM
 - ☐ D. DA-KD

Q.75 What should come in place of the question mark (?) in the given series?

10, 23, 49, 88, 140, ?

- Ans**
- ☐ A. 207
 - ☐ B. 204
 - ☐ C. 206
 - ☒ D. 205

Q.76 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$12 - 15 \div 143 + 98 \times 7 = ?$

- Ans**
- ☒ A. 309
 - ☐ B. 312
 - ☐ C. 303
 - ☐ D. 306

Q.77 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 its 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.)

(6, 72, 12)
(5, 60, 12)

- Ans**
- ☐ A. (7, 82, 12)
 - ☐ B. (4, 48, 13)
 - ☐ C. (2, 24, 14)
 - ☒ D. (3, 36, 12)

Q.78 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 letter-cluster pair 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. DH-KF
 - ☐ B. FJ-MH
 - ☐ C. HL-OJ
 - ☒ D. BF-IE

Q.79 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 rabbits are fans.

No fan is a car.

Conclusions:

(I): Some rabbits are cars.

(II): Some fans are rabbits.

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

Q.80 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

RAGE - ARGE - EARG
QUIZ - UQIZ - ZUQI

- Ans** ☒ A. HERD - EHRD - DEHR
 ☐ B. COLD - OCLD - DOLC
 ☐ C. SAME - ASME - AMES
 ☐ D. KIND - KNID - DNIK

Section : General Awareness and Current Affairs

Q.81 India's first-of-its-kind Urban Flood Management Cell (UFMC) powered by Canarys Automations Ltd was inaugurated in which of the following cities in July 2025?

- Ans** ☐ A. Bhopal
 ☐ B. Pune
 ☒ C. Gorakhpur
 ☐ D. Guwahati

Q.82 In August 2025, Union Health Secretary, Punya Salila Srivastava, virtually inaugurated an innovative national mechanism aimed at evaluating and improving state drug regulatory frameworks through an open and evidence-based approach named _____.

- Ans** ☐ A. Pharmaceutical Compliance Monitoring Index
 ☒ B. State Health Regulatory Excellence Index
 ☐ C. National Drug Regulatory Reform Index
 ☐ D. Health Infrastructure Performance Index

Q.83 Which filmmaker returned to the Cannes Film Festival 2025 as a main jury member after winning the Grand Prix in 2024?

- Ans** ☐ A. Neeraj Ghaywan
 ☐ B. Vikramaditya Motwane
 ☒ C. Payal Kapadia
 ☐ D. Anuradha Roy

Q.84 Which country's authorities were flagged by India in 2025 for hybrid cannabis smuggling via couriers?

- Ans** ☐ A. Nigeria
 ☒ B. Thailand
 ☐ C. Afghanistan
 ☐ D. Myanmar

Q.85 According to the Union Budget 2025-26, how many new Day Care Cancer Centres will be set up in district hospitals in 2025-26?

- Ans** ☒ A. 200
 ☐ B. 100
 ☐ C. 150
 ☐ D. 175

Q.86 Which polo team made history in 2025 by sweeping all major awards for the fourth consecutive year at the Indian Polo Awards held in Jaipur?

- Ans**
- ☒ A. Desert Stallions
 - ☒ B. Achievers
 - ☒ C. Royal Riders
 - ☒ D. Jaipur Warriors

Q.87 Who among the following won the Laureus World Action Sportsman of the Year award in 2025?

- Ans**
- ☒ A. Tom Pidcock
 - ☒ B. Kelly Slater
 - ☒ C. Yuto Horigome
 - ☒ D. Chloe Kim

Q.88 In May 2025, minutes after the PSLV-C61, carrying the earth observation satellite EOS-09, lifted off from the Satish Dhawan Space Centre in Sriharikota, the space agency reported a glitch in the ____.

- Ans**
- ☒ A. first stage of the launch vehicle
 - ☒ B. fourth stage of the launch vehicle
 - ☒ C. second stage of the launch vehicle
 - ☒ D. third stage of the launch vehicle

Q.89 India joined which European drone programme as an observer in January 2025?

- Ans**
- ☒ A. Eurodrone
 - ☒ B. Predator XP
 - ☒ C. nEUROn
 - ☒ D. Global Hawk

Q.90 Which of the following states became the first to launch the Tribal Genome Sequencing Project in July 2025?

- Ans**
- ☒ A. Gujarat
 - ☒ B. Jharkhand
 - ☒ C. Chhattisgarh
 - ☒ D. Odisha

Q.91 What was India's rank in the Global Innovation Index (GII), 2025, released by the World Intellectual Property Organization (WIPO)?

- Ans**
- ☒ A. 33rd
 - ☒ B. 28th
 - ☒ C. 38th
 - ☒ D. 43rd

Q.92 India's 2030 climate target aims to reduce the intensity of emissions by what percentage as per the report by Council on Energy, Environment and Water (CEEW) and Alliance for an Energy Efficient Economy (AEEE), published in 2025?

- Ans**
- ☒ A. 45%
 - ☒ B. 60%
 - ☒ C. 35%
 - ☒ D. 20%

Q.93 The Emerging Science, Technology and Innovation Conclave (ESTIC) 2025, conducted in November 2025, was held in _____.

- Ans**
- ☐ A. Haryana
 - ☐ B. Uttar Pradesh
 - ☒ C. New Delhi
 - ☐ D. Maharashtra

Q.94 What are the revised investment caps for Foreign Portfolio Investors (FPIs) in corporate bonds for FY 2025-26, as announced by the Reserve Bank of India (RBI) in April 2025?

- Ans**
- ☒ A. 15%
 - ☐ B. 12%
 - ☐ C. 18%
 - ☐ D. 10%

Q.95 Which of the following states activated a 24x7 flood-control room after rivers Subarnarekha, Budhabalanga and Jalaka swelled in June 2025?

- Ans**
- ☐ A. West Bengal
 - ☐ B. Assam
 - ☒ C. Odisha
 - ☐ D. Bihar

Q.96 Who took office as the Deputy Governor of the RBI on 2 April 2025?

- Ans**
- ☒ A. Poonam Gupta
 - ☐ B. Michael Debroy
 - ☐ C. Michael Patra
 - ☐ D. Ashwani Bhatia

Q.97 Which Indian javelin thrower won the Ostrava Golden Spike event in 2025?

- Ans**
- ☒ A. Neeraj Chopra
 - ☐ B. Annu Rani
 - ☐ C. Rohit Yadav
 - ☐ D. Kishore Kumar

Q.98 Who won India's only gold medal in women's freestyle wrestling at the Asian Wrestling Championships, 2025?

- Ans**
- ☐ A. Vinesh Phogat
 - ☐ B. Reetika Hooda
 - ☒ C. Manisha Bhanwala
 - ☐ D. Antim Panghal

Q.99 Which Indian footballer received the Padma Shri in 2025 for his contributions to the sport?

- Ans**
- ☐ A. Sunil Chhetri
 - ☐ B. Bhaichung Bhutia
 - ☒ C. IM Vijayan
 - ☐ D. Sandesh Jhingan

Q.100 Which of the following schemes announced a financial outlay of ₹5,000 crore to promote research & innovation in the pharmaceutical and med-tech sectors in India?

- Ans**
- ✓ A. PRIP scheme
 - ✗ B. Smart Cities Mission
 - ✗ C. Atmanirbhar Bharat Abhiyan
 - ✗ D. Startup India



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone IDZ KIOT-Campus
Test Date	11/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What happens if one drop of acid rain water is put on blue litmus paper?

- Ans**
- ☒ A. Blue litmus paper will turn black.
 - ☒ B. Blue litmus paper will turn red.
 - ☒ C. Blue litmus paper will turn yellow.
 - ☒ D. No colour changes in litmus paper.

Q.2 A particle has zero kinetic energy. What can be concluded about the particle's motion?

- Ans**
- ☒ A. Its momentum is maximum
 - ☒ B. It is moving with uniform velocity
 - ☒ C. It must be at rest
 - ☒ D. It is moving with high acceleration

Q.3 Where is the centre of curvature of a convex mirror located?

- Ans**
- ☒ A. At the pole of the mirror
 - ☒ B. At the principal focus of the mirror
 - ☒ C. Behind the mirror
 - ☒ D. In front of the mirror

Q.4 A student connects a voltmeter across the terminals of a glowing bulb. What does the voltmeter measure?

- Ans**
- ☒ A. Heat produced by the bulb
 - ☒ B. Potential difference across the bulb
 - ☒ C. Resistance of the bulb
 - ☒ D. Current through the bulb

Q.5 Which of the following products is formed when carbon dioxide reacts with calcium hydroxide (lime water)?

- Ans**
- ☒ A. Calcium oxide
 - ☒ B. Calcium bicarbonate
 - ☒ C. Sodium carbonate
 - ☒ D. Calcium carbonate

Q.6 Which of the following statements is NOT true according to the sign convention for spherical lenses?

- Ans**
- ☐ A. The focal length of a concave lens is negative.
 - ☐ B. Object distance is negative.
 - ☒ C. Object height is negative when the object is placed above the principal axis.
 - ☐ D. The focal length of a convex lens is positive.

Q.7 Which statement best describes a homologous series of organic compounds?

- Ans**
- ☒ A. A series of compounds having the same general formula, similar chemical properties, and consecutive members differing by a $\text{-CH}_2\text{-}$ group
 - ☐ B. A series of compounds that all have branched chains
 - ☐ C. A series of elements with similar physical properties
 - ☐ D. A series of compounds with different functional groups but the same molecular formula

Q.8 Which of the following reactions demonstrates the acidic nature of ethanoic acid?

- Ans**
- ☐ A. Ethanoic acid + Ethanol $\rightarrow$ Ester + Water
 - ☐ B. Ethanoic acid + Sodium $\rightarrow$ Sodium ethanoate + Hydrogen gas
 - ☒ C. Ethanoic acid + Sodium hydroxide $\rightarrow$ Sodium ethanoate + Water
 - ☐ D. Ethanoic acid + Methanol $\rightarrow$ Methanoic acid + Ethane

Q.9 Two wires, A and B, of the same material, have the same length, but the cross-sectional area of wire A is twice that of wire B. The ratio of their resistances $R_A : R_B$ is:

- Ans**
- ☒ A. 1 : 2
 - ☐ B. 2 : 1
 - ☐ C. 4 : 1
 - ☐ D. 1 : 1

Q.10 What is the type of reproduction beginning from the fusion of male and female gametes called?

- Ans**
- ☐ A. Binary fission
 - ☐ B. Budding
 - ☒ C. Sexual reproduction
 - ☐ D. Cloning

Q.11 In human female, when egg is not fertilised, which of the following process takes place?

- Ans**
- ☐ A. Parturition
 - ☐ B. Embryo development
 - ☐ C. Zygote formation
 - ☒ D. Menstruation

Q.12 The formula unit mass of a substance is the sum of the atomic masses of all atoms in a formula unit of a/an:

- Ans**
- ☐ A. element
 - ☐ B. atom
 - ☐ C. mixture
 - ☒ D. compound

Q.13 What are the main components of a neuron?

- Ans
- ☐ A. Cell body, dendrites, nerve endings and synapse
 - ☒ B. Dendrites, cell body and axon
 - ☐ C. Dendrites, cell body and nerve endings
 - ☐ D. Dendrites, cell body, axon and nerve endings

Q.14 From the given alternatives, which method of asexual reproduction involves the formation of a new plant from the broken portion of the parent plant?

- Ans
- ☐ A. Fertilisation
 - ☒ B. Fragmentation
 - ☐ C. Spore formation
 - ☐ D. Binary fission

Q.15 The speed of sound (v) is calculated by multiplying which two wave properties?

- Ans
- ☐ A. Amplitude and Frequency
 - ☐ B. Amplitude and Time Period
 - ☐ C. Wavelength and Amplitude
 - ☒ D. Wavelength and Frequency

Q.16 Which of the following statements is NOT correct regarding the nucleus?

- Ans
- ☐ A. Nuclear membrane is a double-layered structure.
 - ☒ B. Nuclear membrane is a non-porous and rigid structure.
 - ☐ C. Nucleus plays a central role in cellular reproduction.
 - ☐ D. Nucleus contains chromosomes.

Q.17 A particle's velocity-time graph is a straight line with a negative slope. What does this indicate about the particle's motion?

- Ans
- ☐ A. The particle is moving with increasing acceleration.
 - ☒ B. The particle is slowing down if moving in the positive direction.
 - ☐ C. The particle is at rest.
 - ☐ D. The particle is speeding up in the positive direction.

Q.18 The expression for acceleration due to gravity on the surface of a planet of mass M and radius R is:

- Ans
- ☒ A. $g = GM/R^2$
 - ☐ B. $g = R/GM^2$
 - ☐ C. $g = GM^2/R$
 - ☐ D. $g = GR/M^2$

Q.19 According to Newton's second law of motion, what happens when an unbalanced force is applied to an object?

- Ans
- ☐ A. The object comes to rest immediately
 - ☐ B. The object moves in a circular path
 - ☒ C. The object's momentum changes in the direction of the applied force
 - ☐ D. The object's momentum remains unchanged

Q.20 A farmer lives near a river, but the canal system in his area receives an irregular water supply from the reservoir. What should he ideally adopt for irrigation?

- Ans
- ☒ A. River lift system
 - ☐ B. Use of sprinklers only
 - ☐ C. Wells
 - ☐ D. Flood irrigation

Q.21 Select the correct statement from the following.

- A) The large spaces between gas particles allow them to be easily squeezed into smaller volumes.
B) Gas particles have a high average kinetic energy.

Ans ☒ A. Neither A nor B
☒ B. Both A and B
☒ C. Only A
☒ D. Only B

Q.22 Which of the following human activities contributes to ozone layer depletion?

Ans ☒ A. Conserving water
☒ B. Using solar energy
☒ C. Composting organic waste
☒ D. Using CFC-based refrigerants and spray cans

Q.23 Which of the following is a molecule of a compound?

Ans ☒ A. N₂
☒ B. H₂
☒ C. O₂
☒ D. H₂O

Q.24 The distributions of electrons in the K, L, and M shell of the chlorine atom are:

Ans ☒ A. 2, 7, 8
☒ B. 2, 7, 7
☒ C. 2, 6, 5
☒ D. 2, 8, 7

Q.25 What type of epithelial tissue is the outer skin made of?

Ans ☒ A. Simple squamous epithelium
☒ B. Cuboidal epithelium
☒ C. Columnar epithelium
☒ D. Stratified squamous epithelium

Section : Mathematics

Q.26 A trader buys an article and sells it at a profit of 25%. The buyer again sells it at a loss of 10%. If the final selling price is ₹9,900, then what was the cost price (in ₹) of the article for the first trader?

Ans ☒ A. 8,400
☒ B. 8,800
☒ C. 9,000
☒ D. 8,000

Q.27 Simplify the following.

$$\frac{(a^3 - b^3)}{(a^2 + ab + b^2)} + \frac{(a^3 + b^3)}{(a^2 - ab + b^2)}$$

Ans ☒ A. 2a²
☒ B. 2b
☒ C. 2b²
☒ D. 2a

Q.28 If the expenditure of Company A in 2023 was ₹660 crore and the profit percentage was 35%, then what was its income in 2023?

- Ans**
- ☐ A. ₹231 crore
 - ☒ B. ₹891 crore
 - ☐ C. ₹665 crore
 - ☐ D. ₹435 crore

Q.29 Given that C is the third proportional of 59 and B. If B is the sum of the first three even natural numbers, then find the value of C. (Round off the answer to two decimal places.)

- Ans**
- ☐ A. 0.14
 - ☐ B. 1.44
 - ☐ C. 6.32
 - ☒ D. 2.44

Q.30 The amount on a sum of ₹4,400 at the rate of 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹7,289
 - ☐ B. ₹5,729
 - ☒ C. ₹6,336
 - ☐ D. ₹5,989

Q.31 When x is added to each of 10, 14, 38 and 28, then the numbers so obtained, in this order, are in proportion. Then, if $3x : y :: y : (5x - 6)$, and $y > 0$, what is the value of y?

- Ans**
- ☒ A. 72
 - ☐ B. 79
 - ☐ C. 65
 - ☐ D. 78

Q.32 Maya buys a mobile phone for her child. The phone is marked at ₹21,000 and is offered with two successive discounts of 5% and Z%, respectively. After receiving both discounts, she pays ₹11,172. Find the value of Z.

- Ans**
- ☐ A. 45
 - ☐ B. 42
 - ☒ C. 44
 - ☐ D. 43

Q.33 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 42.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 8 : 9, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 2°
 - ☒ B. 5°
 - ☐ C. 7°
 - ☐ D. 6°

Q.34 The curved surface area and the volume of a cylindrical pipe is 565.2 m^2 and $1,695.6 \text{ m}^3$, respectively. Find the total surface area of the pipe.

(Use $\pi = 3.14$)

- Ans**
- ☒ A. 791.28 m^2
 - ☐ B. 428.36 m^2
 - ☐ C. 548.29 m^2
 - ☐ D. 658.76 m^2

Q.35 X people were given a contract for doing a piece of work in 36 days. 3 people did not turn up to work due to sickness, and the rest of the people completed the work in 39 days. What is the value of X?

- Ans**
- ☐ A. 40
 - ☐ B. 44
 - ☐ C. 48
 - ☒ D. 39

Q.36 A class of 75 students took a Physics test. 22 students had an average score of 85. The other students had an average score of 95. What is the average score (rounded off to one decimal place) of the whole class?

- Ans**
- ☐ A. 96.7
 - ☐ B. 82.4
 - ☐ C. 88.3
 - ☒ D. 92.1

Q.37 Simplify: $72 - [49 - (81 \div 9 - (14 - 24 \div 4) \div 8)]$

- Ans**
- ☐ A. 35
 - ☒ B. 31
 - ☐ C. 39
 - ☐ D. 27

Q.38 3 cups and 4 glasses cost ₹270. If 2 more glasses are purchased, then the total amount becomes ₹330. Find the cost of a cup.

- Ans**
- ☒ A. ₹50
 - ☐ B. ₹40
 - ☐ C. ₹45
 - ☐ D. ₹30

Q.39 R's age is twice the age of S and three times the age of T. S is 5 years older than T. What is the difference in ages (in years) between R and T?

- Ans**
- ☐ A. 28
 - ☐ B. 30
 - ☐ C. 24
 - ☒ D. 20

Q.40 If the radius of the base of a right circular cylinder is decreased by 15% and its height is increased by 149%, then what is the percentage increase (rounded to the nearest integer) in its volume?

- Ans**
- ☐ A. 73%
 - ☐ B. 53%
 - ☐ C. 109%
 - ☒ D. 80%

Q.41 Two trains, 170 metres and 220 metres in length, are running in opposite directions. The first runs at the rate of 45 km/hr and the second at the rate of 63 km/hr. How long will they take to cross each other?

- Ans**
- ☒ A. 13 seconds
 - ☐ B. 20 seconds
 - ☐ C. 23 seconds
 - ☐ D. 17 seconds

Q.42 A train of length 239 m takes 20 seconds to pass another train 161 m |
If the speed of the first train is 43 km/hr, then find speed of the second



- Ans
- ☐ A. 25 km/hr
 - ☒ B. 29 km/hr
 - ☐ C. 38 km/hr
 - ☐ D. 32 km/hr

Q.43 The average age of 43 students of a class is 13 years. If the age of the teacher is also included, the average age of the whole group becomes 14 years. The age (in years) of the teacher is:

- Ans
- ☐ A. 54
 - ☐ B. 58
 - ☒ C. 57
 - ☐ D. 56

Q.44 The monthly incomes of two friends, David and Ajay, are in the ratio 5 : 8, and each of them saves ₹72,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of David (in ₹).

- Ans
- ☐ A. 91,000
 - ☐ B. 1,26,000
 - ☐ C. 89,000
 - ☒ D. 90,000

Q.45 The income of Raman is ₹43,800. He saves 20% of his income. If his income increases by 36% and expenditure increases by 40%, then his savings will:

- Ans
- ☐ A. decrease by ₹1,748
 - ☐ B. increase by ₹1,757
 - ☐ C. decrease by ₹1,753
 - ☒ D. increase by ₹1,752

Q.46 One pipe can fill a tank in 11 minutes, while another pipe can empty the completely filled tank in 22 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans
- ☐ A. 23
 - ☐ B. 22
 - ☒ C. 11
 - ☐ D. 12

Q.47 Which of the following is NOT a prime number?

- Ans
- ☐ A. 31
 - ☐ B. 79
 - ☒ C. 51
 - ☐ D. 67

Q.48 The number of prime numbers lying between 309 and 320 is:

- Ans
- ☐ A. 5
 - ☐ B. 4
 - ☒ C. 3
 - ☐ D. 1

Q.49 The cost price of a box of notebooks is ₹7,400. The shopkeeper gave 28% discount on the cost price. What will be the selling price (in ₹)?

- Ans** ☒ A. 5,328
☐ B. 5,348
☐ C. 5,406
☐ D. 5,377

Q.50 From the top of a building 15 m high, the angle of depression to a point on the ground is 45 degrees. Find the horizontal distance from the building to the point.

- Ans** ☐ A. 45 m
☐ B. 7.5 m
☐ C. 30 m
☒ D. 15 m

Section : General Intelligence and Reasoning

Q.51 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of B. C sits third to the left of B. D is an immediate neighbour of B. F sits to the immediate right of C. D sits to the immediate left of E. Who sits at the extreme right end of the line?

- Ans** ☐ A. D
☒ B. E
☐ C. F
☐ D. B

Q.52 A, B, C, D, E and F are sitting around a circular table facing the centre. E sits second to the left of B. C sits second to the right of F. D is on the immediate left of C. Who is sitting on the immediate right of A?

- Ans** ☐ A. D
☐ B. F
☒ C. B
☐ D. C

Q.53 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 samosas are burgers.
Some burgers are pizzas.

Conclusions:

(I): Some samosas are pizzas.
(II): All pizzas are burgers.

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

Q.54 What should come in place of the question mark (?) in the given series?

12 28 45 63 ? 102

- Ans
- ☐ A. 72
 - ☐ B. 88
 - ☐ C. 76
 - ☒ D. 82

Q.55 In a certain code language,
P + Q means 'P is the father of Q',
P # Q means 'P is the mother of Q',
P & Q means 'P is the wife of Q',
and P % Q means 'P is the sister of Q'.

How is V related to D if 'V % L & C + B % D'?

- Ans
- ☐ A. Husband's brother
 - ☒ B. Mother's sister
 - ☐ C. Mother's mother
 - ☐ D. Wife's brother

Q.56 Mr. Akai starts from Point A and drives 15 km towards the north. He then takes a right turn, drives 18 km, turns right and drives 23 km. He then takes a right turn and drives 26 km. He takes a final right turn, drives 8 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. 8 km to the west
 - ☐ B. 6 km to the east
 - ☒ C. 8 km to the east
 - ☐ D. 6 km to the north

Q.57 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 20, 45)
(18, 26, 57)

- Ans
- ☐ A. (15, 7, 19)
 - ☐ B. (9, 17, 29)
 - ☐ C. (11, 20, 45)
 - ☒ D. (13, 21, 47)

Q.58 Rakesh ranked 13th from the top and 18th from the bottom in his class. How many students are there in the class?

- Ans
- ☐ A. 15
 - ☐ B. 20
 - ☒ C. 30
 - ☐ D. 19

Q.59 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 258671543, then what will be the value of middle digit in the new number thus formed?

- Ans**
- ☐ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☒ D. 6

Q.60 CEID is related to JLPK in a certain way based on the English alphabetical order. In the same way, EGKF is related to LNRM. To which of the given options is GIMH related, following the same logic?

- Ans**
- ☐ A. PNTD
 - ☐ B. PNOT
 - ☒ C. NPTD
 - ☐ D. NPOT

Q.61 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 2 8 4 6 9 5 8 8 7 9 2 6 6 5 8 6 3 1 1 4 4 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☒ C. Four
 - ☐ D. Two

Q.62 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 letter-cluster pair 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. WT-YU
 - ☒ B. QN-SP
 - ☐ C. UR-WS
 - ☐ D. SP-UQ

Q.63 This question is based on the five, three-digit numbers given below.

(Left) 515 758 761 726 579 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 6
 - ☐ B. 13
 - ☐ C. 9
 - ☒ D. 7

Q.64 Seven people B, C, D, I, J, K, and L are sitting around a circular table facing the centre of the table. Only three people sit between D and L, when counted from the right of L. Only three people sit between K and I, when counted from the left of K. B sits to the immediate right of D. J is an immediate neighbour of L as well as I. Who sits second to the left of C?

- Ans**
- ☐ A. I
 - ☐ B. K
 - ☐ C. L
 - ☒ D. J

Q.65 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 letter-cluster pair 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. QA-KG
 - ☐ B. BL-WR
 - ☐ C. HR-CX
 - ☐ D. UE-PK

Q.66 Satish starts from Point A and drives 47 km towards south. He then takes a right turn, drives 65 km, turns right and drives 65 km. He then takes a right turn and drives 77 km. He takes a final right turn, drives 18 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 13 km to the east
 - ☐ B. 10 km to the west
 - ☐ C. 11 km to the west
 - ☒ D. 12 km to the west

Q.67 Which of the following number will replace the question mark (?) in the given series?

1, 2, 6, 15, 31, 56, ?

- Ans**
- ☒ A. 92
 - ☐ B. 72
 - ☐ C. 86
 - ☐ D. 80

Q.68 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 6 4 5 2 2 4 5 1 4 7 7 4 5 9 6 9 2 4 3 8 1 2 8 3 7 1 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 3
 - ☐ D. 5

Q.69 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DIVE - DEVI - EVID
BEAR - BRAE - RAEB

- Ans** ☒ A. SOUP - OSUP - POUS
☒ B. COLD - CDLO - DLOC
☐ C. ICED - IECD - DECI
☐ D. MUST - MUTS - USTM

Q.70 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 54286379, how many digits will appear more than once in the new number thus formed?

- Ans** ☒ A. Three
☐ B. Two
☐ C. One
☐ D. None

Q.71 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

RAMP - PRMA - RPAM
SEND - DSNE - SDEN

- Ans** ☒ A. QUAD - DQAU - QDUA
☐ B. KEPT - TKPE - KETP
☐ C. CODE - OCDE - EODC
☐ D. HALT - THAL - ALTH

Q.72 If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$21 - 4 \div 371 + 111 \times 3 = ?$$

- Ans** ☐ A. 406
☐ B. 411
☒ C. 418
☐ D. 409

Q.73 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 erasers are pens.
Some pens are bags.

Conclusions:

(I) Some erasers are bags.
(II) All bags are pens.

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

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

ZSL 18, VOH 29, RKD 40, NGZ 51, JCV 62, ?

- Ans**
- ☒ A. FOR 73
 - ☒ B. FYL 73
 - ☒ C. FYR 73
 - ☒ D. FYI 73

Q.75 In a certain code language, 'royal snow blue' is coded as 'tl zw cr' and 'blue two web' is coded as 'rg iq zw'. How is 'blue' coded in the given language?

- Ans**
- ☒ A. rg
 - ☒ B. zw
 - ☒ C. cr
 - ☒ D. tl

Q.76 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BMV, EOT, HQR, KSP, ?

- Ans**
- ☒ A. NUN
 - ☒ B. RUQ
 - ☒ C. QVM
 - ☒ D. MUN

Q.77 In a certain code language, 'dirt is there' is coded as 'mp rc gp' and 'clean the dirt' is coded as 'hk mp bo'. How is 'dirt' coded in the given language?

- Ans**
- ☒ A. mp
 - ☒ B. hk
 - ☒ C. gp
 - ☒ D. bo

Q.78 What should come in place of the question mark (?) in the given series?

18, 22, 30, 42, 58, ?

- Ans**
- ☒ A. 76
 - ☒ B. 79
 - ☒ C. 78
 - ☒ D. 77

Q.79 Refer to the following number series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 2 6 9 1 2 5 7 2 5 2 2 4 7 9 3 2 5 4 1 4 9 9 1 8 9 (Right)

How many such even digits is/are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.80 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only two boxes are kept between M and O. Only N is kept above S. No box is kept below O. R is kept at some place below P but at some place above Q. Which box is kept third above Q?

- Ans** ☒ A. P
 ☐ B. S
 ☐ C. N
 ☐ D. M

Section : General Awareness and Current Affairs

Q.81 How many gold medals did Suruchi Singh win in 10 m air pistol at ISSF World Cup in 2025?

- Ans** ☒ A. Three
 ☐ B. One
 ☐ C. Two
 ☐ D. Four

Q.82 Where was the VLSRSAM flight-test conducted by DRDO?

- Ans** ☐ A. Surya Lanka, Andhra Pradesh
 ☐ B. DRDO Missile Complex, Hyderabad
 ☐ C. Pokhran Test Range, Rajasthan
 ☒ D. Integrated Test Range, Odisha

Q.83 In 2025, which authority raised serious objections to the Aparajita Bill 2024, calling its proposed punishments under BNS excessively harsh and disproportionate?

- Ans** ☐ A. Supreme Court
 ☐ B. National Commission for Women
 ☒ C. Central Government
 ☐ D. Law Commission of India

Q.84 Which of the following was the impact of the Election Commission of India Network (ECINET) on the publication of Index Cards during elections?

- Ans** ☐ A. Publication was delayed by several additional weeks.
 ☐ B. Cards were discontinued as part of new digital reforms.
 ☐ C. Cards were handwritten by officials at local polling stations.
 ☒ D. Cards were available within 72 hours of results.

Q.85 The Mussalman Wakf (Repeal) Bill, 2025, seeks to remove the outdated Mussalman Wakf Act of ____.

- Ans** ☐ A. 1953
 ☐ B. 1943
 ☒ C. 1923
 ☐ D. 1933

Q.86 Who received the Lifetime Achievement Award at the Bengaluru International Film Festival, 2025?

- Ans** ☐ A. Manoj Bajpayee
 ☐ B. Adoor Gopalakrishnan
 ☒ C. Shabana Azmi
 ☐ D. Anupam Kher

Q.87 The 2025 French Open, also known as Roland Garros, was played on which type of court surface?

- Ans**
- ☐ A. Grass
 - ☐ B. Hard Court
 - ☐ C. Artificial Turf
 - ☒ D. Clay Court

Q.88 Which organisation initiated a 12-day cybersecurity exercise called 'Cyber Suraksha', starting 16 June 2025?

- Ans**
- ☐ A. Cyber Security Association of India
 - ☐ B. Indian Space Research Organisation
 - ☒ C. Indian Defence Cyber Agency
 - ☐ D. Indian Air Force Cyber Agency

Q.89 What percentage did CPI inflation touch in April 2025 in India, marking a near six-year low?

- Ans**
- ☒ A. 3.16%
 - ☐ B. 5.26%
 - ☐ C. 6.2%
 - ☐ D. 4.2%

Q.90 Which of the following countries launched the world's first AI-based satellite In May 2025?

- Ans**
- ☐ A. Russia
 - ☐ B. USA
 - ☐ C. Japan
 - ☒ D. China

Q.91 In 2025, which government's commitment was emphasised by the inauguration of the Khelo India multipurpose hall in Arunachal Pradesh?

- Ans**
- ☐ A. State Government
 - ☐ B. Local Panchayat
 - ☐ C. Tribal Council
 - ☒ D. Union Government

Q.92 In December 2024, which foundation day was celebrated by the Border Security Force (BSF) of India?

- Ans**
- ☐ A. 25th
 - ☒ B. 60th
 - ☐ C. 20th
 - ☐ D. 50th

Q.93 What is the prize money for Bal Sahitya Puraskar winners?

- Ans**
- ☐ A. ₹75,000
 - ☒ B. ₹50,000
 - ☐ C. ₹25,000
 - ☐ D. ₹1,00,000

Q.94 Which Indian state has announced plans to build a 'Great Green Wall' by 2030 to protect its coastline from cyclones and environmental degradation?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Andhra Pradesh
 - ☐ C. Odisha
 - ☐ D. West Bengal

Q.95 Which team won the National Team of the Year award at the Sportstar Aces Awards 2025?

- Ans**
- ☐ A. Indian Men's Hockey Team
 - ☒ B. Indian Chess Teams
 - ☐ C. Indian Women's Cricket Team
 - ☐ D. Indian Men's Football Team

Q.96 India submitted its 4th Biennial Update Report to the UNFCCC in December 2024. What is the full form of UNFCCC?

- Ans**
- ☐ A. United Nations Foundation for Climate Cooperation
 - ☒ B. United Nations Framework Convention on Climate Change
 - ☐ C. Union Network for Future Climate Control
 - ☐ D. United Nations Forum for Climate Coordination

Q.97 What was the theme of the International Day of Democracy, 2025, celebrated in September 2025?

- Ans**
- ☐ A. Democracy for Development
 - ☒ B. Achieving Gender Equality, Action by Action
 - ☐ C. Strengthening Democracy, Inspiring Participation
 - ☐ D. Voices for Change

Q.98 Which of the following institutes conducted a PM2.5 air quality assessment in Indian cities in October 2025 and found that all ten of the most polluted cities were located within the National Capital Region (NCR)?

- Ans**
- ☐ A. National Institute for Atmospheric Studies and Policy
 - ☒ B. Centre for Research on Energy and Clean Air
 - ☐ C. Centre for Sustainable Urban Climate Research
 - ☐ D. Indian Council for Environmental Data and Analysis

Q.99 Which of the following initiative was launched on 21 March 2025, by the Ministry of Science and Technology to offer structured biotech mentorship?

- Ans**
- ☐ A. BioInnovate India
 - ☒ B. BioSaarthi Mentorship Initiative
 - ☐ C. BioNurture Mentorship Programme
 - ☐ D. Biotech Startup Mission

Q.100 The share of ULIPs in the total APE of which insurance company fell to 46.8% in Q1 FY26, compared to 51.4% in the same quarter last year?

- Ans**
- ☐ A. Life Insurance Corporation of India
 - ☐ B. Bajaj Allianz Life Insurance Co. Ltd.
 - ☐ C. Axis Max Life Insurance Co. Ltd.
 - ☒ D. ICICI Prudential Life Insurance



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Khwaja Gharib Nawaz College of Nursing
Test Date	11/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is NOT formed in the chlor-alkali process?

- Ans**
- ☒ A. Chlorine gas
 - ☒ B. Sodium hydroxide
 - ☒ C. Sodium carbonate
 - ☒ D. Hydrogen gas

Q.2 Which of the following decomposes on heating to give quick lime?

- Ans**
- ☒ A. CaCO_3
 - ☒ B. NaOH
 - ☒ C. KClO_3
 - ☒ D. CaCl

Q.3 When sugar is dissolved in water, the particles of sugar:

- Ans**
- ☒ A. break into smaller pieces only
 - ☒ B. occupy more space
 - ☒ C. disappear permanently
 - ☒ D. get into the spaces between water particles

Q.4 Which of the following may lead to biological magnification?

- Ans**
- ☒ A. Peel of banana
 - ☒ B. Degrading vegetables
 - ☒ C. Straw
 - ☒ D. Pesticides

Q.5 The weight of an object is less on the Moon than on the Earth because:

- Ans**
- ☒ A. the Moon has smaller acceleration due to gravity than the Earth
 - ☒ B. the Moon attracts objects with more force
 - ☒ C. the mass of the object decreases on the Moon
 - ☒ D. the object becomes lighter due to air resistance

Q.6 Which scientist suggested that a magnet exerts an equal and opposite force on a current-carrying conductor?

- Ans**
- ☒ A. Ampere
 - ☐ B. Maxwell
 - ☐ C. Oersted
 - ☐ D. Faraday

Q.7 If an image is formed at the same distance behind a mirror as the object in front, the mirror must be:

- Ans**
- ☐ A. concave
 - ☒ B. plane
 - ☐ C. convex
 - ☐ D. parabolic

Q.8 In which carbon allotrope are atoms arranged in a hexagonal layer structure, with weak forces between layers?

- Ans**
- ☒ A. Graphite
 - ☐ B. Diamond
 - ☐ C. Coke
 - ☐ D. Fullerene

Q.9 Which of the following is a common characteristic of both acids and bases when dissolved in water?

- Ans**
- ☐ A. Both turn blue litmus red.
 - ☐ B. Both produce carbon dioxide when reacted with metal carbonates.
 - ☒ C. Both produce ions that conduct electricity in aqueous solutions.
 - ☐ D. Both release hydrogen gas on reacting with metals like zinc.

Q.10 Which of the following is correct about force on a current-carrying conductor in a magnetic field?

- Ans**
- ☐ A. The force on a conductor is along the magnetic field direction.
 - ☒ B. The force on a current carrying conductor is proportional to the length of the conductor in the magnetic field.
 - ☐ C. The force is independent of the current in the conductor.
 - ☐ D. The force depends on the resistance of the conductor.

Q.11 In a multicellular organism, how does each cell support the survival of the organism?

- Ans**
- ☒ A. By following division of labour
 - ☐ B. By working independently without interacting with other cells
 - ☐ C. By converting itself into a complete organ
 - ☐ D. By trying to carry out all life functions by itself

Q.12 Match the following connective tissues with their correct features.

- | | |
|---------------------|--|
| a. Areolar tissue | i. fills spaces between organs |
| b. Skeletal tissues | ii. provide structural support and r friction. |
| c. Ligaments | iii. fibrous tissues that maintain musc bone |
| d. Tendons | iv. fibrous tissues that maintain bone-to connection |

- Ans**
- ☒ A. a i, b iv, c ii, d iii
 - ☒ B. a i, b iv, c iii, d ii
 - ☒ C. a i, b ii, c iv, d iii
 - ☒ D. a iv, b i, c iii, d ii

Q.13 Why are the testes located outside the abdominal cavity in human males?

- Ans**
- ☒ A. To protect them from physical damage
 - ☒ B. Because testosterone is produced only outside the body
 - ☒ C. Because sperm formation requires higher temperature
 - ☒ D. Because sperm formation requires a lower temperature than body temperature

Q.14 What does the reactivity series of metals represent?

- Ans**
- ☒ A. A list of metals arranged in increasing order of their melting points.
 - ☒ B. A list of metals arranged in increasing order of their density.
 - ☒ C. A list of metals arranged in decreasing order of their reactivity.
 - ☒ D. A list of non-metals arranged by their ability to form ions.

Q.15 In the case of a convex mirror, a ray parallel to the principal axis after reflection appears to diverge from:

- Ans**
- ☒ A. The principal focus
 - ☒ B. The centre of curvature
 - ☒ C. The pole
 - ☒ D. Infinity

Q.16 Which of the following is NOT correct regarding sexual reproduction in plant?

- Ans**
- ☒ A. Pollen needs to be transferred from the stamen to the stigma.
 - ☒ B. Pollen grain directly travels in the ovary.
 - ☒ C. Transfer of pollen from one flower to another is achieved by different agents.
 - ☒ D. Female germ-cells are present in the ovary.

Q.17 Which of the following statements about sexual reproduction is INCORRECT?

- Ans**
- ☒ A. It produces identical clones.
 - ☒ B. It combines DNA from two parents.
 - ☒ C. It generates variations for species survival.
 - ☒ D. It helps organisms adapt to changing environments.

Q.18 Which of the following will NOT produce an echo?

- Ans**
- ☒ A. A tall building at 30 m distance
 - ☒ B. A mountain at 50 m distance
 - ☒ C. A cliff at 100 m distance
 - ☒ D. A wall at 10 m distance

Q.19 Which gland secretes the growth hormone (GH) in humans?

- Ans**
- ☐ A. Pancreas
 - ☐ B. Adrenal gland
 - ☒ C. Pituitary gland
 - ☐ D. Thyroid gland

Q.20 A rifle fires a light bullet, resulting in a large forward acceleration of the bullet and a minimal backward recoil acceleration of the rifle. If the forces are equal and opposite (Action/Reaction), why is the rifle's acceleration so much smaller than the bullet's?

- Ans**
- ☐ A. Action and reaction forces cancel out since they act instantaneously.
 - ☐ B. The action force of the rifle on the bullet is greater than the reaction force of the bullet on the rifle.
 - ☒ C. The acceleration is inversely proportional to the mass, and the rifle has a much greater mass than the bullet.
 - ☐ D. The reaction force of the bullet acts for a shorter duration than the action force.

Q.21 A 2 kg body accelerates at 3 m/s^2 . The force acting on it is:

- Ans**
- ☐ A. 2 N
 - ☐ B. 5 N
 - ☒ C. 6 N
 - ☐ D. 3 N

Q.22 Which of the following is the correct formula for kinetic energy of a body of mass 'm' kg moving with a uniform speed of 'v' m/s?

- Ans**
- ☐ A. mv
 - ☐ B. $\frac{1}{4}mv^2$
 - ☒ C. $\frac{1}{2}mv^2$
 - ☐ D. $\frac{1}{2}mv$

Q.23 Which of the following chemical secretions helps our body in control and coordination?

- Ans**
- ☒ A. Hormones
 - ☐ B. Gastric mucosa
 - ☐ C. Sebum
 - ☐ D. Saliva

Q.24 Rutherford's gold foil experiment led to a major revision of the atomic model. Which of the following observations and conclusions is most accurate according to the experiment?

- Ans**
- ☐ A. Electrons are present in the nucleus and account for the atom's mass.
 - ☐ B. Alpha particles are deflected because they collide with electrons and spread uniformly throughout the atom.
 - ☐ C. The nucleus is positively charged and occupies most of the volume of the atom.
 - ☒ D. The majority of alpha particles passed through the foil undeflected, indicating that atoms are mostly empty space.

Q.25 Conditions to liquefy gases would be:

- Ans**
- ☐ A. increasing pressure and increasing temperature
 - ☐ B. decreasing pressure and decreasing temperature
 - ☒ C. increasing pressure and decreasing temperature
 - ☐ D. decreasing pressure and increasing temperature

Q.26 When x is added to each of 17, 9, 26 and 14, then the numbers so obtained, in this order, are in proportion. Then, if $8x : y :: y : (4x-2)$, and $y > 0$, what is the value of y ?

- Ans**
- ☐ A. 22
 - ☒ B. 4
 - ☐ C. 12
 - ☐ D. 14

Q.27 Simplify: $(3x-2)^2 - (x+4)^2$

- Ans**
- ☒ A. $8x^2 - 20x - 12$
 - ☐ B. $8x^2 - 16x - 12$
 - ☐ C. $8x^2 + 20x - 12$
 - ☐ D. $8x^2 - 20x - 4$

Q.28 Two trains are moving in opposite directions at speeds of 110 km/hr and 150 km/hr. The length of one train is 500 m. The time taken by them to cross each other is 10 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

- Ans**
- ☐ A. 228.02
 - ☐ B. 225.93
 - ☒ C. 222.22
 - ☐ D. 233.21

Q.29 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 76% and that of the TV decreases by 28%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?

- Ans**
- ☐ A. Decrease by 25%
 - ☐ B. Increase by 31%
 - ☐ C. Decrease by 27%
 - ☒ D. Increase by 24%

Q.30 A shopkeeper sold a pen for ₹150 and made a profit of ₹30. Find the cost price of the pen.

- Ans**
- ☐ A. ₹110
 - ☐ B. ₹130
 - ☒ C. ₹120
 - ☐ D. ₹100

Q.31 Two pumps, M and N, can fill a tank in 36 hours and 45 hours, respectively. Another pump P can empty the tank in 30 hours. First M and N are opened, and after 8 hours, P is also opened. The tank will be filled up in total T hours. The value of T is:

- Ans**
- ☐ A. 32
 - ☒ B. 44
 - ☐ C. 40
 - ☐ D. 36

Q.32 After selling an article at a discount of 4%, the profit percentage obtained is 20%. What is the markup percentage?

- Ans**
- ☐ A. 19%
 - ☒ B. 25%
 - ☐ C. 27%
 - ☐ D. 28%

Q.33 A cycle is sold for ₹2,700 at a loss of 10%. Find its cost price.

- Ans**
- ☐ A. ₹3,600
 - ☒ B. ₹3,000
 - ☐ C. ₹2,800
 - ☐ D. ₹3,200

Q.34 The average age of 37 students of a class is 42 years. If the age of the teacher is also included, the average age of the whole group becomes 43 years. The age (in years) of the teacher is:

- Ans**
- ☒ A. 80
 - ☐ B. 77
 - ☐ C. 83
 - ☐ D. 81

Q.35 A and B working together can complete a piece of work in 2 days. B alone can complete the same work in 10 days. How long (in days) will A alone take to complete double the work?

- Ans**
- ☐ A. 8
 - ☐ B. 6
 - ☒ C. 5
 - ☐ D. 2.5

Q.36 The price of 1 kg of carrot on Monday is ₹40. If it is increased by 5% and 3% on the next two consecutive days, then what is its price (in ₹) on Wednesday?

- Ans**
- ☐ A. 49.25
 - ☒ B. 43.26
 - ☐ C. 46.32
 - ☐ D. 36.43

Q.37 If the ratio of two numbers is 2 : 5, and their HCF is 29, then their LCM is:

- Ans**
- ☐ A. 281
 - ☐ B. 283
 - ☐ C. 319
 - ☒ D. 290

Q.38 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Mukund borrowed an amount of ₹2,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mukund after 2 years.

- Ans**
- ☒ A. 16,000
 - ☐ B. 17,500
 - ☐ C. 15,500
 - ☐ D. 17,000

Q.39 Simplify: $[24 - \{6 + 3^2 - (4 \times 2 + 1)\}] \div 3 + 5 \times 2$

- Ans**
- ☐ A. 20
 - ☐ B. 18
 - ☒ C. 17
 - ☐ D. 16

Q.40 A shopkeeper marks the price of an article at ₹1,980. Find the cost price if after allowing a discount of 12% he still gains 32% on the cost price.

- Ans**
- ☐ A. ₹1,283
 - ☐ B. ₹1,209
 - ☒ C. ₹1,320
 - ☐ D. ₹1,349

Q.41 A train 1386 m long is running at 18 km/hr. How long will it take to clear a 564 m long platform completely?

- Ans**
- ☐ A. 386 seconds
 - ☐ B. 385 seconds
 - ☐ C. 393 seconds
 - ☒ D. 390 seconds

Q.42 The sides of a triangle are 68 cm, 31 cm, and 87 cm. What is the length of its altitude corresponding to the side with a length of 31 cm?

- Ans**
- ☐ A. 40 cm
 - ☐ B. 85 cm
 - ☐ C. 103 cm
 - ☒ D. 60 cm

Q.43 The total surface area of a sphere is 6006 cm^2 less than the total surface area of a hemisphere. If the ratio between the radii of the hemisphere and sphere is 5 : 3, then find the radius of the sphere.

(Use $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 42 cm
 - ☐ B. 28 cm
 - ☐ C. 35 cm
 - ☒ D. 21 cm

Q.44 The data 30, 33, 49, 51, x, x + 4, 73, 79, 85, 96 is arranged in the ascending order. Find the value of x.



- Ans**
- ☐ A. 61
 - ☐ B. 64
 - ☒ C. 62
 - ☐ D. 63

Q.45 If 50% of 60% of $\frac{2}{7}$ of a number is 618, find the number.

- Ans**
- ☐ A. 10350
 - ☐ B. 8450
 - ☒ C. 7210
 - ☐ D. 7400

Q.46 If ₹8,404 is divided between Rishi and Yash in the ratio 7 : 15, then find the share of Yash (in ₹).

- Ans**
- ☐ A. 5,732
 - ☐ B. 5,733
 - ☐ C. 5,731
 - ☒ D. 5,730

Q.47 If the radius of the base of a right circular cylinder is decreased by 12% and its height is increased by 169%, then what is the percentage increase (closest integer) in its volume?

- Ans ☒ A. 108%
☐ B. 110%
☐ C. 134%
☐ D. 111%

Q.48 An uncle is 6 times as old as his nephew. In 6 years, the difference in their ages will be 30 years. What is the sum of their current ages (in years)?

- Ans ☐ A. 30
☒ B. 42
☐ C. 48
☐ D. 36

Q.49 Simplify :

$$\frac{1 - \sec x}{\csc x \cdot \cot x}$$

- Ans ☐ A. $(\cos x + 1)\cot^2 x$
☐ B. $(\cos x - 1)\cot^2 x$
☒ C. $(\cos x - 1)\tan^2 x$
☐ D. $(\cos x + 1)\tan^2 x$

Q.50 If $\frac{5}{13}$ of a certain number is added to $\frac{7}{39}$ of the same number, the result is 132. Find the number.

- Ans ☐ A. 228
☒ B. 234
☐ C. 224
☐ D. 238

Section : General Intelligence and Reasoning

Q.51 Seven boxes B, C, D, I, J, K, and L are kept one over the other but not necessarily in the same order. Only C is kept below I. Only four boxes are kept between C and J. Only L is kept between J and D. B is kept at one of the positions above J. How many boxes are kept between K and C?

- Ans ☐ A. Three
☒ B. One
☐ C. Two
☐ D. Four

Q.52 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☐ A. OR - NQ
☒ B. QT - PT
☐ C. EH - DG
☐ D. LO - KN

Q.53 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$195 + 3 \times 22 - 6 \div 117 = ?$$

- Ans**
- ☒ A. 50
 - ☐ B. 43
 - ☐ C. 57
 - ☐ D. 51

Q.54 In a certain code language, 'mall tree army' is coded as 'vg ur ua' and 'plant army cup' is coded as 'ti ud vg'. How is 'army' coded in the given language?

- Ans**
- ☐ A. ti
 - ☒ B. vg
 - ☐ C. ua
 - ☐ D. ur

Q.55 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

CFE10, GJI14, KNM18, ?

- Ans**
- ☐ A. RVQ24
 - ☒ B. ORQ22
 - ☐ C. SVU24
 - ☐ D. ORU22

Q.56 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order.

Only P is kept above O. Only Q is kept between O and R. Only N is kept below S. How many boxes are kept between M and N?

- Ans**
- ☐ A. Two
 - ☐ B. Four
 - ☐ C. Three
 - ☒ D. One

Q.57 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. QVP
 - ☐ B. MRL
 - ☒ C. TYR
 - ☐ D. EJD

Q.58 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?

$$16 \text{ B } 3 \text{ D } 36 \text{ A } 18 \text{ C } 18 = ?$$

- Ans**
- ☐ A. 66
 - ☐ B. 62
 - ☒ C. 64
 - ☐ D. 65

Q.59 In a certain code language,
P + Q means 'P is the husband of Q',
P # Q means 'P is the wife of Q',
P & Q means 'P is the brother of Q' and
P % Q means 'P is the father of Q'.

How is G related to E if 'G # V % M & H + E'?

- Ans**
- ☐ A. Husband's father
 - ☐ B. Husband's sister
 - ☐ C. Wife's brother
 - ☒ D. Husband's mother

Q.60 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.
(Left) 8 7 7 4 2 1 5 4 8 9 4 1 1 1 9 9 3 7 9 5 4 (Right)
How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

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

Q.61 BGLQ is related to EJOT in a certain way based on the English alphabetical order. In the same way, FKPU is related to INSX. To which of the following is HMRW related, following the same logic?

- Ans**
- ☐ A. LPUY
 - ☒ B. KPUZ
 - ☐ C. LQVX
 - ☐ D. KQVX

Q.62 In a certain code language, 'photo vet scale' is coded as 'zk jh kv' and 'urn photo kin' is coded as 'jh zn fl'. How is 'photo' coded in that language?

- Ans**
- ☐ A. zn
 - ☒ B. jh
 - ☐ C. zk
 - ☐ D. kv

Q.63 What should come in place of the question mark (?) in the given series?

37 49 61 73 85 ?

- Ans**
- ☐ A. 91
 - ☐ B. 101
 - ☐ C. 105
 - ☒ D. 97

Q.64 Refer to the given series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 1 1 7 2 4 1 2 7 4 4 9 6 3 9 1 6 1 9 2 2 8 8 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Four
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. One

Q.65 GENU is related to KZRP in a certain way based on the English alphabetical order. In the same way, OUVK is related to SPZF. To which of the given options is WKDA related, following the same logic?

- Ans**
- ☒ A. ZGHW
 - ☒ B. BEGU
 - ☒ C. AFHV
 - ☒ D. BFIW

Q.66 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark (?) in the following equation?

44 A 11 B 25 D 28 C 1 = ?

- Ans**
- ☒ A. 77
 - ☒ B. 78
 - ☒ C. 73
 - ☒ D. 74

Q.67 A, B, C, D, W, X, and Y are sitting in a straight line, facing the north. Only two people sit to the right of X. Only two people sit between X and C. Only two people sit between A and D. D sits to the immediate left of X. B sits to the immediate right of Y.

Who sits at the third position from the left end of the line?

- Ans**
- ☒ A. C
 - ☒ B. A
 - ☒ C. D
 - ☒ D. W

Q.68 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
ANF 17, DQI 21, GTL 25, JWO 29, ?

- Ans**
- ☒ A. MZR 32
 - ☒ B. MYR 33
 - ☒ C. MZR 33
 - ☒ D. MYR 32

Q.69 What should come in place of the question mark (?) in the given series?

121 123 127 133 141 ?

- Ans**
- ☒ A. 151
 - ☒ B. 153
 - ☒ C. 149
 - ☒ D. 147

Q.70 Gagana starts from Point A and drives 5 km towards east. She then takes a left turn, drives 3 km, turns left and drives 2 km. She then takes a right turn and drives 7 km. She takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 10 km towards south
 - ☒ B. 16 km towards east
 - ☒ C. 8 km towards west
 - ☒ D. 10 km towards north

Q.71 Town P is to the west of Town Q. Town R is to the south of Town P. Town S is to the east of Town R. Town T is to the north of Town S. Town Q is to the northeast of Town T. What is the position of Town P with respect to Town T?

- Ans**
- ☐ A. Northeast
 - ☐ B. Southeast
 - ☐ C. Southwest
 - ☒ D. Northwest

Q.72 Seven people, B, C, D, I, J, K and L, are sitting around a circular table, facing the centre of the table. I sits fourth to the right of J. Only two people sit between B and C, when counted from the left of B. D sits third to the left of K. L is an immediate neighbour of K and C. How many people sit between I and L, when counted from the left of L?

- Ans**
- ☐ A. Two
 - ☐ B. Three
 - ☒ C. Four
 - ☐ D. One

Q.73 What should come in place of the question mark (?) in the given series?

319 320 323 328 335 ?

- Ans**
- ☐ A. 342
 - ☐ B. 346
 - ☐ C. 348
 - ☒ D. 344

Q.74 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) Ω 9 % 6 1 * £ 5 # 2 8 \$ 7 & + @ 3 4 (Right)

How many such symbols are there, each of which is immediately preceded by another symbol and also immediately followed by a number?

- Ans**
- ☐ A. 1
 - ☒ B. 2
 - ☐ C. 3
 - ☐ D. 4

Q.75 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: All Hats are Ratchets. No Ratchets are Cats. Some Cats are Angels.

Conclusion (I): No Hats are Cats.

Conclusion (II): No Angels are Ratchets

- 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.76 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(35, -34, 1)

(35, 14, 7)

Ans ☒ A. (15, -17, 1)

☒ B. (23, 266, 17)

☒ C. (31, 47, 9)

☒ D. (9, -8, 2)

Q.77 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 conclusion(s) logically follow(s) from the statements.

Statements:

All curtains are blinders.

All curtains are dividers.

All curtains are walls.

Conclusions:

(I) All blinders are walls.

(II) Some walls are dividers.

Ans ☒ A. Neither conclusion (I) nor (II) follows.

☒ B. Only conclusion (I) follows.

☒ C. Both conclusions (I) and (II) follow.

☒ D. Only conclusion (II) follows.

Q.78 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \$ # £ 9 % £ 7 * & € 1 3 4 5 6 4 9 € 2 5 & (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans ☒ A. 6

☒ B. 5

☒ C. 2

☒ D. 4

Q.79 A, B, C, D, E and F are sitting around a circular table facing the centre. D sits third to the right of C. C sits second to the left of F. A sits third to the right of B. B sits to the immediate left of E. How many people sit between A and D when counted from the left of D?

Ans ☒ A. Two

☒ B. Four

☒ C. One

☒ D. None

Q.80 DR 12 is related to FK -6 in a certain way. In the same way, JM 18 is related to LF 0.
To which of the given options is KN 3 related, following the same logic?

- Ans**
- ☐ A. MK -11
 - ☐ B. HU -12
 - ☒ C. MG -15
 - ☐ D. LP -10

Section : General Awareness and Current Affairs

Q.81 At which place in India was the setting up of the International Potato Center-South Asia Regional Centre (CSARC) approved by the Union Cabinet of India in June 2025?

- Ans**
- ☒ A. Agra
 - ☐ B. Noida
 - ☐ C. Kanpur
 - ☐ D. Lucknow

Q.82 Where was the All India Inter-University Volleyball Championship 2025 held from 6-10 January?

- Ans**
- ☐ A. Osmania University, Hyderabad
 - ☐ B. Delhi University, Delhi
 - ☐ C. Banaras Hindu University, Varanasi
 - ☒ D. St. Thomas College, Pala

Q.83 Which of the following cities hosted the G20 Digital Economy Working Groups' second meeting in South Africa in 2025?

- Ans**
- ☐ A. Durban
 - ☐ B. Pretoria
 - ☐ C. Cape Town
 - ☒ D. Eastern Cape

Q.84 In August 2025, which body directed the Ministry of Environment, Forest and Climate Change (MoEF&CC) of the Government of India to frame terms for an ozone study committee?

- Ans**
- ☐ A. Central Pollution Control Board
 - ☒ B. National Green Tribunal
 - ☐ C. Supreme Court of India
 - ☐ D. NITI Aayog

Q.85 Which of the following cities hosted the 2025 World Aquatics Championships?

- Ans**
- ☐ A. Melbourne
 - ☒ B. Singapore
 - ☐ C. Budapest
 - ☐ D. Doha

Q.86 In July 2025, which Indian state cabinet approved a bill criminalising even engagements involving minors under child marriage prevention laws?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Kerala
 - ☒ C. Karnataka
 - ☐ D. Telangana

Q.87 As per data released by Ministry of Earth Sciences in March 2025, what percentage of area in India is vulnerable to earthquakes?

- Ans**
- ☐ A. 89%
 - ☐ B. 40%
 - ☐ C. 30%
 - ☒ D. 59%

Q.88 In August 2025, which state unveiled its State Disaster Management Plan and inaugurated a host of initiatives, including the Technology Demonstration Unit, Civil Defence Training Scheme, automated weather stations and rain gauges?

- Ans**
- ☒ A. Tripura
 - ☐ B. Meghalaya
 - ☐ C. Uttar Pradesh
 - ☐ D. Madhya Pradesh

Q.89 The Ministry of Statistics and Programme Implementation (MoSPI) in June 2025 announced its plan to launch the first-ever nationwide household income survey in _____.

- Ans**
- ☒ A. 2026
 - ☐ B. 2028
 - ☐ C. 2029
 - ☐ D. 2027

Q.90 Which of the following schemes launched by the State Bank of India in January 2025 enables customers to accumulate ₹1 lakh or above in their accounts by depositing small savings every month?

- Ans**
- ☒ A. Har Ghar Lakhpati
 - ☐ B. Lakhpati Patrons
 - ☐ C. Suraksha Nivesh
 - ☐ D. Har Ghar Bachat

Q.91 Which of the following is the main aim of the Memorandum of Understanding signed between the National Institute for Empowerment of Persons with Intellectual Disabilities (Divyangjan) and the Jai Vakeel Foundation, in Mumbai in July 2025?

- Ans**
- ☐ A. To launch a nationwide immunisation drive for children with disabilities
 - ☐ B. To train teachers in sign language and Braille for visually and hearing-impaired students
 - ☐ C. To establish a nationwide health insurance scheme for persons with disabilities
 - ☒ D. To roll out structured and uniform curriculum for children with intellectual disabilities

Q.92 As per Union Budget, 2025-26, what is the total allocation to the Ministry of Defence to strengthen India's military capabilities?

- Ans**
- ☐ A. ₹5,81,210.27 crore
 - ☒ B. ₹6,81,210.27 crore
 - ☐ C. ₹7,81,210.27 crore
 - ☐ D. ₹8,81,210.27 crore

Q.93 Which of the following female athletes was awarded the 2025 Laureus World Sportswoman of the Year announced in April 2025?

- Ans**
- ☒ A. Simone Biles
 - ☐ B. Katie Ledecky
 - ☐ C. Athing Mu
 - ☐ D. Iga Świątek

Q.94 NISAR (NASA-ISRO Synthetic Aperture Radar) which was scheduled to be launched from India in July 2025 jointly by National Aeronautics and Space Administration (NASA) and Indian Space Research Organisation (ISRO) is a ____.

- Ans**
- ☐ A. \$3.5 billion mission
 - ☐ B. \$2.5 billion mission
 - ☐ C. \$4.5 billion mission
 - ☒ D. \$1.5 billion mission

Q.95 The Republic Day celebrated on 26 January 2025, was India's _____ Republic Day.

- Ans**
- ☐ A. 75th
 - ☐ B. 74th
 - ☒ C. 76th
 - ☐ D. 77th

Q.96 On 12 April 2025, which of the following banks celebrated 131st foundation day with the launch of 34 new banking products and services?

- Ans**
- ☒ A. Punjab National Bank
 - ☐ B. Indian Bank
 - ☐ C. Bank of India
 - ☐ D. Canara Bank

Q.97 Who among the following completed her/his 31st climb of Mount Everest in May 2025?

- Ans**
- ☒ A. Kami Rita
 - ☐ B. Apa Sherpa
 - ☐ C. Nyima Gyalzen Dorje
 - ☐ D. Chhonzin Angmo

Q.98 Which female athlete received the Sportstar of the Year (Female) award in 2025?

- Ans**
- ☐ A. Saina Nehwal
 - ☐ B. Mary Kom
 - ☒ C. Manu Bhaker
 - ☐ D. PV Sindhu

Q.99 In March 2025, who was appointed as a full-time member of NITI Aayog, after serving as Cabinet Secretary until August 2024?

- Ans**
- ☐ A. BVR Subrahmanyam
 - ☐ B. S Mahendra Dev
 - ☐ C. Arvind Panagariya
 - ☒ D. Rajiv Gauba

Q.100 Which club won the 2025 UEFA Champions League?

- Ans**
- ☐ A. Manchester City
 - ☐ B. Real Madrid
 - ☐ C. Bayern Munich
 - ☒ D. Paris Saint-Germain



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Kovilambakkam
Test Date	11/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following human female body part prepares itself every month to receive a fertilised egg?

- Ans** ☒ A. Uterus
☐ B. Kidney
☐ C. Pharynx
☐ D. Pancreas

Q.2 What physical quantity is obtained by multiplying the velocity of an object by the time it travels, assuming the object moves with a uniform velocity?

- Ans** ☒ A. Displacement
☐ B. Force
☐ C. Momentum
☐ D. Acceleration

Q.3 Which primary feature allows mitochondria to be called the 'powerhouse of the cell'?

- Ans** ☐ A. They store calcium ions
☐ B. They control protein synthesis
☐ C. They contain digestive enzymes
☒ D. They synthesise energy as ATP

Q.4 What is the name of the semiconservative process in which DNA duplicates into two identical molecules?

- Ans** ☐ A. Transcription
☐ B. Translation
☒ C. Replication
☐ D. Mutation

Q.5 Which of the following statements about baking soda (sodium hydrogen carbonate) is NOT correct?

- A. It is prepared industrially by reacting sodium chloride, ammonia, carbon dioxide, and water.
- B. On heating, baking soda releases carbon dioxide gas, which makes it useful in baking.
- C. Baking soda is used in antacids because it neutralises excess stomach acid, producing salt and water only.

Ans ☒ A. Both A and B
☒ B. Only C
☒ C. Both A and C
☒ D. Only A

Q.6 In industries, how are ultrasonic waves primarily used to ensure the structural integrity of metallic components such as machine parts and bridges?

Ans ☒ A. To detect cracks and flaws inside the block
☒ B. To polish the surface of the metal
☒ C. To change the density of the metal
☒ D. To heat the metal to remove impurities

Q.7 Which of the following is a correct use of baking soda (sodium hydrogen carbonate) in daily life?

Ans ☒ A. It is used to neutralise strong acids in lead-acid batteries
☒ B. It is used to make soaps non-greasy
☒ C. It is used to prepare edible salts
☒ D. It is used in fire extinguishers to produce foam

Q.8 Which of the following is NOT due to refraction of light?

Ans ☒ A. Delayed Sunset
☒ B. Twinkling of stars
☒ C. Image formation by a convex lens
☒ D. Image formation by a convex mirror

Q.9 Which of the following has a variable composition?

Ans ☒ A. Hydrogen chloride
☒ B. Brass
☒ C. Methane
☒ D. Water

Q.10 Which of the following is an organic compound?

Ans ☒ A. C_2H_6
☒ B. Na_2CO_3
☒ C. $CaCO_3$
☒ D. $NaCl$

Q.11 Which of the following parts of a plant has the dividing tissue region which helps in growth?

Ans ☒ A. Sclerenchyma
☒ B. Vessels
☒ C. Sieve tube
☒ D. Apical meristem

Q.12 Which of the following statements is correct?

- Ans** ☒ A. The direction of magnetic field around a straight current-carrying conductor can be given by the right-hand thumb rule.
- ☒ B. Magnetic field lines are always straight lines.
- ☒ C. Magnetic field lines start from the south pole and end at the north pole outside the magnet.
- ☒ D. Magnetic field is zero at the surface of a current-carrying wire.

Q.13 If the kinetic energy of a moving body is 450 J and its velocity is 15 m/s, the mass of the body is ____.

- Ans** ☒ A. 4 kg
- ☒ B. 3 kg
- ☒ C. 2 kg
- ☒ D. 5 kg

Q.14 When ethanol reacts with ethanoic acid in the presence of conc H₂SO₄ it produces ____.

- Ans** ☒ A. alcohol
- ☒ B. aldehyde
- ☒ C. ketone
- ☒ D. esters

Q.15 In fish production, which of the following comes under the category of shellfish?

- Ans** ☒ A. Tuna
- ☒ B. Bombay duck
- ☒ C. Molluscs
- ☒ D. Silver carp

Q.16 The diffusion of water through a selectively permeable membrane is known as ____.

- Ans** ☒ A. diffusion
- ☒ B. transpiration
- ☒ C. active transport
- ☒ D. osmosis

Q.17 By how many degrees Celsius is the temperature of the scrotum lower than the normal body temperature?

- Ans** ☒ A. About 7°C
- ☒ B. About 12°C
- ☒ C. About 6°C
- ☒ D. About 3°C

Q.18 Which of the following statements is NOT correct?

- Ans** ☒ A. The value of G is constant everywhere
- ☒ B. Gravitational force is always attractive
- ☒ C. Gravitational force is strongest among small bodies
- ☒ D. Every object attracts every other object in the universe

Q.19 A car travels at 62 km/hr for 2.5 hours and then at 48 km/hr for 1.5 hours. Its average speed is approximately ____.

- Ans** ☒ A. 56.8 km/hr
- ☒ B. 58 km/hr
- ☒ C. 27.5 km/hr
- ☒ D. 55 km/hr

Q.20 Every section of a current-carrying circular wire contributes to the magnetic field at the centre of the loop in _____.

- Ans**
- ☐ A. the opposite direction
 - ☒ B. the same direction
 - ☐ C. a random direction
 - ☐ D. the perpendicular direction

Q.21 Which of the following is chosen as a standard reference for determining atomic masses?

- Ans**
- ☐ A. Carbon-13
 - ☒ B. Carbon-12
 - ☐ C. Nitrogen-15
 - ☐ D. Nitrogen-14

Q.22 What happens when insects suck the sap from leaves of crop plants?

- Ans**
- ☐ A. Plant produces more flowers
 - ☒ B. Plant health is affected
 - ☐ C. Plant gets pollinated
 - ☐ D. Plant grows stronger

Q.23 Three rays of light parallel and close to the principal axis are incident on a convex lens, these rays will converge at which point after passing through the lens?

- Ans**
- ☐ A. At the optical centre
 - ☒ B. At the focus of the lens
 - ☐ C. At any point beyond the focus
 - ☐ D. At any point between the optical centre and the focus

Q.24 A molecule of ozone has:

- Ans**
- ☐ A. 1 oxygen atom
 - ☒ B. 3 oxygen atoms
 - ☐ C. 2 oxygen atoms
 - ☐ D. 4 oxygen atoms

Q.25 What is the valency of oxygen in H_2O ?

- Ans**
- ☒ A. 2
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 0

Section : Mathematics

Q.26 The sides of a triangle are 39 cm, 62 cm, and 85 cm. What is the length of its altitude corresponding to the side with a length of 62 cm?

- Ans**
- ☐ A. 18 cm
 - ☐ B. 57 cm
 - ☐ C. 12 cm
 - ☒ D. 36 cm

Q.27 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Atul borrowed an amount of ₹2,20,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Atul after 3 years.

- Ans**
- ☐ A. 25,900
 - ☐ B. 27,400
 - ☐ C. 27,900
 - ☒ D. 26,400

Q.28 Two trains, having lengths 210 m and 390 m, are running at speeds of 120 km/hr and 150 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

- Ans**
- ☐ A. 9.3
 - ☐ B. 11.1
 - ☐ C. 2
 - ☒ D. 1.2

Q.29 Ravi sells only pens and pencils. A pen costs ₹12 and a pencil costs ₹4. A student buys a total of 25 items and spends ₹180. How many pens did the student buy?

- Ans**
- ☒ A. 10
 - ☐ B. 20
 - ☐ C. 15
 - ☐ D. 5

Q.30 If a 1768 m long train crosses a pole in 68 seconds, then find the time (in seconds) taken by the train to cross a 338 m long platform.

- Ans**
- ☐ A. 76
 - ☐ B. 77
 - ☐ C. 82
 - ☒ D. 81

Q.31 The fourth proportional to 18, a and 8a is 16. What is the positive value of a?

- Ans**
- ☒ A. 6
 - ☐ B. 3
 - ☐ C. 8
 - ☐ D. 9

Q.32 A salesman marks his goods 75% above the cost price and gives a discount of 52% on them. Find the percentage of this gain or loss.

- Ans**
- ☒ A. 16% loss
 - ☐ B. 15% loss
 - ☐ C. 19% loss
 - ☐ D. 18% gain

Q.33 Simplify: $\left(\frac{16^{-1} \times 8^2}{4^{-3} \times 2^5}\right)^{\frac{1}{3}}$

- Ans**
- ☐ A. 4
 - ☐ B. 1
 - ☐ C. 8
 - ☒ D. 2

Q.34 A cricketer has an average of 57 runs over 10 innings. If he scores 195 runs in the 11th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- Ans**
- ☐ A. 8
 - ☒ B. 13
 - ☐ C. 16
 - ☐ D. 14

Q.35 A piece of land in the form of a rectangle has dimensions 240 m × 180 m. A narrow strip 10 m wide is dug all around it (outside) and the earth dug out is evenly spread over the land, increasing its surface level by 25 cm. Find the depth of the strip, rounded off to two decimal places.

- Ans**
- ☒ A. 1.23 m
 - ☐ B. 1.34 m
 - ☐ C. 1.43 m
 - ☐ D. 1.11 m

Q.36 Simplify: $(5x + 11y)^2 + (5x - 11y)^2$

- Ans**
- ☐ A. $-220xy$
 - ☐ B. $220xy$
 - ☐ C. $50x^2 - 242y^2$
 - ☒ D. $50x^2 + 242y^2$

Q.37 A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 101 pages?

- Ans**
- ☐ A. 2030
 - ☐ B. 2010
 - ☒ C. 2020
 - ☐ D. 2025

Q.38 The arithmetic mean of the observations 96, 70, 85, 52, 40, 88, 63, 40 and 60 is:

- Ans**
- ☐ A. 56
 - ☒ B. 66
 - ☐ C. 74
 - ☐ D. 65

Q.39 $\frac{1}{20}$ is what percentage of $\frac{11}{50}$? (Round off the answer to two decimal



- Ans**
- ☒ A. 22.73%
 - ☐ B. 37.73%
 - ☐ C. 45.45%
 - ☐ D. 32.73%

Q.40 In an election between two candidates, 80% of the registered voters cast their votes. Out of these, 2% were declared invalid. One candidate secured 8,820 votes, which accounted for 75% of the valid votes. Find the total number of registered voters.

- Ans**
- ☐ A. 16,200
 - ☒ B. 15,000
 - ☐ C. 15,200
 - ☐ D. 15,800

Q.41 The income of Raman is ₹68,800. He saves 18.5% of his income. If his income increases by 17% and expenditure increases by 25%, then his savings will:

- Ans**
- ☐ A. increase by ₹2,325
 - ☒ B. decrease by ₹2,322
 - ☐ C. decrease by ₹2,325
 - ☐ D. increase by ₹2,319

Q.42 A and B working together can do a piece of work in 6 days. B alone can do the same work in 7 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☒ A. 84
 - ☐ B. 42
 - ☐ C. 85
 - ☐ D. 87

Q.43 A dealer allowed a 32% discount on an article and was still able to manage a 57% profit. Find the ratio of the cost price to listed price.

- Ans**
- ☐ A. 65 : 161
 - ☒ B. 68 : 157
 - ☐ C. 69 : 160
 - ☐ D. 71 : 162

Q.44 A pair of earrings is bought for ₹27,650 and is sold at a profit of 5%. Find the profit (in ₹). (Round off your answer to the nearest rupee)

- Ans**
- ☐ A. ₹1,362
 - ☐ B. ₹1,450
 - ☒ C. ₹1,383
 - ☐ D. ₹1,462

Q.45 A person stands 36 metres away from the foot of a tower. The angle of elevation to the top of the tower is θ , and $\tan\theta = 5/3$. What is the height (in metres) of the tower?

- Ans**
- ☐ A. 54
 - ☐ B. 45
 - ☒ C. 60
 - ☐ D. 48

Q.46 The total number of colour blocks is 6409. If the ratio of red blocks to blue blocks is 7 : 5 and the ratio of blue blocks to yellow blocks is 8 : 4, then how many yellow blocks are there?

- Ans**
- ☐ A. 1099
 - ☐ B. 1102
 - ☐ C. 1098
 - ☒ D. 1105

Q.47 A cuboid with dimensions 24 cm × 16 cm × 10 cm is melted to form smaller cubes with sides of 4 cm. Determine the number of cubes that can be formed.

- Ans**
- ☐ A. 64
 - ☐ B. 62
 - ☐ C. 58
 - ☒ D. 60

Q.48 The difference between the current ages of two brothers is 4 years. Twenty years ago, the age of the elder brother was 1.25 times the age of the younger brother. What is the current age (in years) of the elder brother?

- Ans** ☒ A. 36
☒ B. 40
☒ C. 38
☒ D. 34

Q.49 11 men and 17 women can complete a piece of work in 6 days, and 18 men and 15 women can complete the same work in 4 days. The work of how many women is equivalent to that of one man?

- Ans** ☒ A. 6
☒ B. 7
☒ C. 4
☒ D. 10

Q.50 A typist takes 40 minutes to type 4 pages. How long (in minutes) will he take to type 112 pages?

- Ans** ☒ A. 1125
☒ B. 1130
☒ C. 1120
☒ D. 1110

Section : General Intelligence and Reasoning

Q.51 PI 13 is related to SM 17 in a certain way. In the same way, HA 24 is related to KE 28. To which of the given options is RK 35 related, following the same logic?

- Ans** ☒ A. VQ 39
☒ B. VO 38
☒ C. UO 39
☒ D. UN 38

Q.52 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. OSM
☒ B. KOJ
☒ C. JNI
☒ D. MQL

Q.53 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

OWES - WOES - OESW
LITE - ILTE - LTEI

- Ans** ☒ A. JUTE - UJTE - EUTJ
☒ B. VAST - VSAT - TSAV
☒ C. EARN - AERN - ERNA
☒ D. PAIN - APIN - AINP

Q.54 A, B, C, E, F, P and Q are sitting around a circular table facing the centre. Only four people sit between C and E when counted from the right of C. C sits third to the left of P. B sits third to the left of F. Q is an immediate neighbour of both E and P. How many people sit between A and Q when counted from the right of A?

- Ans**
- ☒ A. Two
 - ☐ B. One
 - ☐ C. Three
 - ☐ D. Four

Q.55 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 8 9 4 6 7 3 9 6 1 9 8 3 4 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans**
- ☐ A. Four
 - ☐ B. Three
 - ☐ C. Two
 - ☒ D. One

Q.56 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:

All phones are cars.

All phones are lights.

Conclusions:

(I) Some cars are lights.

(II) All lights are phones.

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

Q.57 Mr. Zzz starts from Point A and drives 11 km towards the east. He then takes a left turn, drives 19 km, turns left and drives 21 km. He then takes a left turn and drives 24 km. He takes a final left turn, drives 10 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. 4 km to the west
 - ☐ B. 7 km to the east
 - ☐ C. 2 km to the south
 - ☒ D. 5 km to the north

Q.58 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

Only one person sits between P and O when counted from the right of P. Only one person sits between O and X when counted from the right of O. Only one person sits between P and W when counted from the right of W. Only two people sit between N and X when counted from the right of N. Only one person sits between M and W when counted from the right of M. Who sits third to the right of Y?

- Ans**
- ☐ A. P
 - ☐ B. W
 - ☒ C. O
 - ☐ D. M

Q.59 Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 6 7 8 9 & 5 £ & \$ £ \$ 1 * * # * * € 8 % 8 © 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ A. Four
 - ☐ B. Three
 - ☐ C. Six
 - ☐ D. Five

Q.60 Refer to the number series given below and answer the question that follows. Counting to be done from left to right only.

(NOTE: All numbers are single-digit numbers only.)

(Left) 6 2 7 2 6 4 8 4 7 4 3 3 4 2 6 7 1 9 7 4 7 9 1 6 5 8 5 (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. 1
 - ☐ B. 4
 - ☒ C. 2
 - ☐ D. 3

Q.61 In a certain code language, 'lab bird set' is coded as 'ef xo ej' and 'set web hall' is coded as 'ot ef hs'. How is 'set' coded in that language?

- Ans**
- ☐ A. ot
 - ☐ B. xo
 - ☒ C. ef
 - ☐ D. ej

Q.62 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only E is kept above B. Only two boxes are kept between B and A. Only C is kept below G. F is not kept immediately above A. How many boxes are kept below A?

- Ans**
- ☐ A. 4
 - ☒ B. 2
 - ☐ C. 3
 - ☐ D. 1

Q.63 HR 15 is related to KU 12 in a certain way. In the same way, SK 18 is related to VN 15. To which of the given options is EW 21 related, following the same logic?

- Ans**
- ☐ A. HZ 15
 - ☐ B. HA 18
 - ☒ C. HZ 18
 - ☐ D. IA 18

Q.64 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. C sits to the immediate left of B. W sits to the immediate left of A. A sits second to the left of X. D sits third to the left of B. Who sits third to the right of Y?

- Ans**
- ☐ A. W
 - ☐ B. C
 - ☐ C. A
 - ☒ D. D

Q.65 Which letter cluster will replace the question mark (?) to complete the given series? IHT KJS MLR ONQ ?

- Ans**
- ☐ A. HYU
 - ☐ B. OPP
 - ☒ C. QPP
 - ☐ D. PTR

Q.66 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 © % £ 8 8 @ % 4 # 1 © 3 7 6 3 % * & € 9 7 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ A. 1
 - ☐ B. 4
 - ☐ C. 5
 - ☒ D. 3

Q.67 What should come in place of the question mark (?) in the given series?

97 80 63 46 29 ?

- Ans**
- ☐ A. 10
 - ☐ B. 8
 - ☒ C. 12
 - ☐ D. 14

Q.68 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?

36 B 8 C 528 A 22 D 55 = ?

- Ans**
- ☐ A. 261
 - ☒ B. 257
 - ☐ C. 244
 - ☐ D. 239

Q.69 Daksha starts from Point A and drives 5 km towards east. She then takes a right turn, drives 6 km, turns left and drives 11 km. She then takes a left turn and drives 6 km. She takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 15 km towards north
 - ☐ B. 11 km towards south
 - ☒ C. 13 km towards west
 - ☐ D. 11 km towards east

Q.70 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

74, 43
98, 55

- Ans**
- ☐ A. 142, 76
 - ☐ B. 64, 39
 - ☐ C. 122, 66
 - ☒ D. 46, 29

Q.71 What should come in place of the question mark (?) in the given series to make it logically complete?

5 10 10 20 20 40 40 ?

- Ans**
- ☐ A. 40
 - ☐ B. 20
 - ☐ C. 50
 - ☒ D. 80

Q.72 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. AZB
 - ☒ B. TTU
 - ☐ C. VUW
 - ☐ D. CBD

Q.73 In a certain code language,
P # Q means 'P is the mother of Q',
P @ Q means 'P is the husband of Q',
P & Q means 'P is the sister of Q', and
P % Q means 'P is the father of Q'.

Based on the above, how is R related to O if 'R @ V # E & K % O'?

- Ans**
- ☒ A. Father's father
 - ☐ B. Father's mother
 - ☐ C. Sister's husband
 - ☐ D. Mother's father

Q.74 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$26 \times 2 - 8 \div 4 + 9 = ?$$

- Ans**
- ☐ A. 38
 - ☐ B. 35
 - ☒ C. 36
 - ☐ D. 39

Q.75 What should come in place of the question mark (?) in the given series?

532 542 550 556 560 ?

- Ans**
- ☐ A. 566
 - ☐ B. 564
 - ☐ C. 568
 - ☒ D. 562

Q.76 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UDB VEC WFD XGE ?

- Ans**
- ☒ A. YHF
 - ☐ B. YHW
 - ☐ C. YHL
 - ☐ D. YHZ

Q.77 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7381564, which of the following digits will be second from the left in the new number thus formed?

- Ans**
- ☐ A. 8
 - ☒ B. 4
 - ☐ C. 2
 - ☐ D. 6

Q.78 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:

All golds are hives.

No hive is a cow.

Conclusions:

(I): No gold is a cow.

(II): Some cows are hives.

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

Q.79 In a certain code language, 'keep turning pages' is coded as 'kd vt fg' and 'count the pages' is coded as 'kl vt za'. How is 'pages' coded in the given language?

(All codes are two-letter codes)

- Ans** ☒ A. vt
☐ B. fg
☐ C. kl
☐ D. kd

Q.80 Saurabh ranked 17th from the top and 28th from the bottom in his class. How many students are there in the class?

- Ans** ☐ A. 34
☐ B. 33
☐ C. 35
☒ D. 44

Section : General Awareness and Current Affairs

Q.81 Who has been chosen for the Indira Gandhi Prize for Peace, Disarmament and Development for the year 2024?

- Ans** ☐ A. Malala Yousafzai
☒ B. Michelle Bachelet
☐ C. Angela Merkel
☐ D. Greta Thunberg

Q.82 At the 2025 Kalinga Literary Festival, Professor Arunava Sinha won an award for his translation of stories by?

- Ans** ☒ A. Sandipan Chattopadhyay
☐ B. Vikas Swarup
☐ C. Savie Karnel
☐ D. Jeet Thayil

Q.83 Which two organisations have collaborated to develop a Close Quarter Battle (CQB) Carbine for the Indian Armed Forces?

- Ans** ☐ A. HAL and Tata Advanced Systems
☒ B. DRDO and Bharat Forge
☐ C. ISRO and BEML
☐ D. BEL and L&T

Q.84 Which country along with Indian Air Force conducted their first-ever joint special operations exercise, 'Tiger Claw', from 26 May to 10 June 2025?

- Ans** ☐ A. Russia
☒ B. United States of America
☐ C. Germany
☐ D. United Arab Emirates

Q.85 In which of the following countries did Mahendra Gurjar set a world record in para javelin in 2025?

- Ans** ☐ A. Brazil
☒ B. Switzerland
☐ C. Germany
☐ D. India

Q.86 In April 2025, which IPL franchise became the first team to reach 150 victories in the history of the tournament?

- Ans**
- ☐ A. Kolkata Knight Riders
 - ☐ B. Royal Challengers Bengaluru
 - ☒ C. Mumbai Indians
 - ☐ D. Chennai Super Kings

Q.87 Which of the following is the main benefit of the Facial Recognition System (FRS) highlighted during the agenda of the August 2025 Parliamentary Consultative Committee meeting on Mission Saksham Anganwadi and Poshan 2.0?

- Ans**
- ☐ A. Monitoring attendance of Anganwadi staff in real time
 - ☐ B. Expanding nutritional coverage to private school children
 - ☒ C. Ensuring benefits reach only genuine beneficiaries
 - ☐ D. Providing digital tablets to all Anganwadi workers

Q.88 Who took oath as the ninth Chief Minister of Delhi at the Ramlila Maidan on 20 February 2025?

- Ans**
- ☒ A. Rekha Gupta
 - ☐ B. Ravinder Indraj
 - ☐ C. Arvind Kejriwal
 - ☐ D. Manjinder Singh Sirsa

Q.89 Announced in 2025, in which state is Similipal National Park located?

- Ans**
- ☒ A. Odisha
 - ☐ B. Karnataka
 - ☐ C. Madhya Pradesh
 - ☐ D. Bihar

Q.90 The GST Council has scrapped how much percentage tax on all individual life and health insurance policies, effective 22 September 2025?

- Ans**
- ☐ A. 12%
 - ☐ B. 16%
 - ☒ C. 18%
 - ☐ D. 14%

Q.91 What is India's Sustainable Development Goals (SDG) Index score as per the SDG Index released in June 2025?

- Ans**
- ☐ A. 53
 - ☐ B. 58
 - ☒ C. 67
 - ☐ D. 72

Q.92 The Parliament of which country passed the Waqf (Amendment) Bill, 2025?

- Ans**
- ☐ A. Kenya
 - ☐ B. China
 - ☐ C. Nepal
 - ☒ D. India

Q.93 In March 2025, who among the following won the Prague Masters (Masters section) 2025 chess title?

- Ans**
- ☐ A. R Praggnanandhaa
 - ☐ B. Anish Giri
 - ☐ C. Ediz Gürel
 - ☒ D. Aravindh Chithambaram

Q.94 When was the 56th meeting of the Monetary Policy Committee held?

- Ans**
- ☐ A. 4, 5 and 6 September 2025
 - ☐ B. 4, 5 and 6 October 2025
 - ☒ C. 4, 5 and 6 August 2025
 - ☐ D. 4, 5 and 6 July 2025

Q.95 As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, population covered by social protection systems has increased to which level in 2025, indicating substantial expansion in social security coverage in the country?

- Ans**
- ☐ A. 59.8%
 - ☐ B. 81.6%
 - ☐ C. 72.7%
 - ☒ D. 64.3%

Q.96 Which organisation typically supports the implementation of the 'Sports and Games for the Disabled' scheme?

- Ans**
- ☐ A. Indian Railways
 - ☒ B. Ministry of Youth Affairs and Sports
 - ☐ C. Ministry of Education
 - ☐ D. Reserve Bank of India

Q.97 Which of the following ministries launched Phase 01 of India's Social Protection Data Pooling Exercise in March 2025 to strengthen welfare schemes and support vulnerable groups through better data consolidation at the Central level?

- Ans**
- ☐ A. Ministry of Finance
 - ☐ B. Ministry of Home Affairs
 - ☒ C. Ministry of Labour and Employment
 - ☐ D. Ministry of Rural Development

Q.98 GARBH-INI-DRISHTI, which was launched at Translational Health Science and Technology Institute (THSTI) in February 2025, provides access to an unprecedented wealth of clinical data, images and biospecimens collected from over 12,000 ____.

- Ans**
- ☐ A. patients who survived COVID-19
 - ☒ B. pregnant women, newborns and postpartum mothers
 - ☐ C. cancer and AIDS patients
 - ☐ D. patients suffering from haemophilia and other blood diseases

Q.99 The city of Awaza, the venue of the Third UN Conference on Landlocked Developing Countries (2025), is located in which nation?

- Ans**
- ☐ A. Kyrgyz Republic
 - ☐ B. Uzbekistan
 - ☒ C. Turkmenistan
 - ☐ D. Kazakhstan

Q.100 When did South Korea host the World Environment Day in 2025, as designated by the United Nations Environment Programme (UNEP)?

- Ans**
- ☐ A. 5 May
 - ☒ B. 5 June
 - ☐ C. 8 June
 - ☐ D. 22 April



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	National council for the church social action india
Test Date	12/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 A yellow luminous flame is usually an indication of which of the following?

- Ans**
- ☒ A. Incomplete combustion with unburnt carbon particles
 - ☐ B. Complete combustion
 - ☐ C. Formation of carbon dioxide
 - ☐ D. Combustion of metals

Q.2 Which of the following tissues makes the plant hard and stiff?

- Ans**
- ☒ A. Sclerenchyma
 - ☐ B. Chlorenchyma
 - ☐ C. Collenchyma
 - ☐ D. Aerenchyma

Q.3 Which of the following statements is correct regarding the mitochondria in a plant cell?

- Ans**
- ☐ A. Mitochondria performs photosynthesis.
 - ☐ B. Mitochondria has a single membranous covering.
 - ☒ C. The mitochondrial inner membrane is deeply folded.
 - ☐ D. Mitochondria does not have its own DNA.

Q.4 Flushing of which gas is usually preferred in order to prevent the rancidity of the packaged food items?

- Ans**
- ☐ A. Dinitrogen trioxide
 - ☐ B. Nitric oxide
 - ☒ C. Nitrogen
 - ☐ D. Nitrogen dioxide

Q.5 In which of the following media is the speed of sound the highest?

- Ans**
- ☐ A. Air at room temperature
 - ☒ B. Iron
 - ☐ C. Vacuum
 - ☐ D. Water

Q.6 What do we call the motion of an object that travels equal distances in equal intervals of time, even when the time intervals are very small?

- Ans
- ☐ A. Circular motion
 - ☐ B. Non-uniform motion
 - ☒ C. Uniform motion
 - ☐ D. Accelerated motion

Q.7 Select the correct property of micelles in soap that help them to interact with water:

- Ans
- ☐ A. hydrocarbon
 - ☐ B. hydrophobic tail
 - ☒ C. hydrophilic head
 - ☐ D. both hydrophilic head and hydrophobic tail

Q.8 Which of the following plants is unisexual?

- Ans
- ☐ A. Pea
 - ☐ B. Mustard
 - ☐ C. China rose
 - ☒ D. Papaya

Q.9 What is the longevity period of egg in the fallopian tube in case of failure of fertilisation in human females?

- Ans
- ☐ A. 4-5 days
 - ☐ B. 6-7 days
 - ☐ C. 3-4 days
 - ☒ D. 1-2 days

Q.10 What is the atomic mass of oxygen?

- Ans
- ☐ A. 18 u
 - ☒ B. 16 u
 - ☐ C. 12 u
 - ☐ D. 8 u

Q.11 Which of the following statements is true according to the First Law of Motion?

- Ans
- ☐ A. A rocket launching upward.
 - ☒ B. A person continues to move forward when a car stops suddenly.
 - ☐ C. A stone falling freely under gravity.
 - ☐ D. A car accelerates when the engine is started.

Q.12 What should be the position of the object, if a concave mirror forms a virtual, erect and enlarged image of the object?

- Ans
- ☒ A. The object is placed between the pole and the focus of the mirror.
 - ☐ B. The object is placed at the focus of the mirror.
 - ☐ C. The object is placed at the centre of curvature of the mirror.
 - ☐ D. The object is placed between the focus and the centre of curvature.

Q.13 A resistor of $4\ \Omega$ produces 64 J of heat every second. What is the potential difference across it?

- Ans
- ☐ A. 8 V
 - ☐ B. 64 A
 - ☒ C. 16 V
 - ☐ D. 16 A

Q.14 A light ray passes through the centre of curvature of a convex mirror. What happens to it after reflection?

- Ans**
- A. It converges at the focus.
 - B. It gets absorbed.
 - C. It retraces its own path.
 - D. It becomes parallel to the principal axis.

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.15 Which of the following objects will sink in water? (Take the density of water as 1g/cm^3)

- (i) An iron nail of density 2.5 g/cm^3
- (ii) A iron block of density 0.83 g/cm^3
- (iii) A iron ball of density 2 g/cm^3

- Ans**
- ☒ A. Both (i) and (ii)
 - ☒ B. Only (iii)
 - ☒ C. Both (i) and (iii)
 - ☒ D. Only (ii)

Q.16 Which of the following facilitates the communication between the central nervous system and the other parts of the body?

- Ans**
- ☒ A. Involuntary muscles.
 - ☒ B. Peripheral nervous system
 - ☒ C. Spinal cord
 - ☒ D. Voluntary muscles

Q.17 Why is it impossible for two magnetic field lines to cross each other at a single point?

- Ans**
- ☒ A. Because they repel each other due to like polarity
 - ☒ B. Because it would imply the compass needle could point in two directions simultaneously
 - ☒ C. Because they are always parallel inside the magnet
 - ☒ D. Because the magnetic field strength would be zero at that point

Q.18 The extraction of metals from their ores is known as which of the following?

- Ans**
- ☒ A. Mining
 - ☒ B. Smelting
 - ☒ C. Refining
 - ☒ D. Metallurgy

Q.19 Which of the following statements about vacuoles is INCORRECT?

- Ans**
- ☒ A. Vacuoles store important substances such as amino acids, sugars, organic acids and proteins.
 - ☒ B. Vacuoles are responsible for protein synthesis in the cell.
 - ☒ C. Vacuoles in plant cells are filled with cell sap, which helps provide turgidity and rigidity.
 - ☒ D. Plant cells usually have a large central vacuole.

Q.20 A mother who is malnourished during pregnancy is likely to:

- Ans**
- ☒ A. have a stronger immune system
 - ☒ B. produce more milk
 - ☒ C. have a faster delivery
 - ☒ D. give birth to an underweight baby

Q.21 What is the minimum approximate work required to bring a car of mass 1500 kg moving at a velocity of 60 km/hr to rest?

- Ans**
- ☐ A. $4.68 \times 10^5 \text{ J}$
 - ☒ B. $2.08 \times 10^5 \text{ J}$
 - ☐ C. $1.56 \times 10^5 \text{ J}$
 - ☐ D. $6.25 \times 10^5 \text{ J}$

Q.22 Which of the following statements is true about modern fish farming?

- Ans**
- ☐ A. Fish farming cannot be done in ponds
 - ☐ B. All fish seeds are collected from rivers
 - ☒ C. Hormones are used for fish breeding
 - ☐ D. Enzymes are used to help fish grow bigger

Q.23 Which of the following correctly describes an ion?

- Ans**
- ☐ A. A molecule that has gained or lost neutrons
 - ☐ B. An atom with more protons than neutrons
 - ☐ C. A neutral molecule formed by ionic bonding
 - ☒ D. An atom or group of atoms with a net electric charge

Q.24 What is the atomic mass of magnesium oxide?

- Ans**
- A. 35
 - B. 45
 - C. 32
 - D. 40

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.25 Which of the following non-metals exhibits a metallic lustre despite being chemically non-metallic?

- Ans**
- ☐ A. Nitrogen
 - ☐ B. Phosphorus
 - ☒ C. Iodine
 - ☐ D. Sulphur

Section : Mathematics

Q.26 A and B working together can do a piece of work in 6 days. B alone can do the same work in 14 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☐ A. 22
 - ☒ B. 21
 - ☐ C. 24
 - ☐ D. 10.5

Q.27 Simplify: $\frac{(2x^2y^{-1})^3}{(4xy)^4} \times \frac{(4x^{-3}y^4)^3}{(2x^2y)^3}$

- Ans**
- ☐ A. $\frac{3y^2}{2x^{11}}$
 - ☐ B. $\frac{y^2}{2x^{13}}$
 - ☐ C. $\frac{y^2}{x^{11}}$
 - ☒ D. $\frac{y^2}{4x^{13}}$

Q.28 A sum of money was invested at simple interest at a certain rate for 9 years. Had it been invested at an 8% per annum higher rate, it would have fetched ₹7,992 more. Find the principal.

- Ans** ☐ A. ₹11,200
☐ B. ₹12,200
☐ C. ₹10,200
☒ D. ₹11,100

Q.29 A 290-metre-long train crosses a platform thrice its length in 29 seconds. What is the speed of the train (in km/hr)?

- Ans** ☐ A. 138
☒ B. 144
☐ C. 147
☐ D. 153

Q.30 A helicopter is flying at a height of 575 m. A person on the ground sees it at an angle of elevation of 30° . What is the horizontal distance from the person to the point on the ground exactly below the helicopter?

(Take $\sqrt{3} = 1.73$)

- Ans** ☐ A. 896.75 m
☐ B. 990.75 m
☒ C. 994.75 m
☐ D. 895.75 m

Q.31 $\frac{1}{20}$ is what percentage of $\frac{9}{90}$?

- Ans** ☐ A. 60%
☐ B. 100%
☐ C. 65%
☒ D. 50%

Q.32 Simplify: $(x + 7)^2$

- Ans** ☐ A. $x^2 + 7x + 49$
☐ B. $x^2 + 2x + 49$
☐ C. $x^2 + 49$
☒ D. $x^2 + 14x + 49$

Q.33 The cost of a washing machine is 75% less than the cost of a TV. If the cost of the washing machine increases by 72% and that of the TV decreases by 20%, then what is the percentage change in the total cost of 4 washing machines and 3 TVs?

- Ans** ☐ A. Decrease by 8%
☒ B. Increase by 3%
☐ C. Increase by 6%
☐ D. Decrease by 1%

Q.34 If $A : B = 4 : 6$ and $B : C = 7 : 11$, then $A : B : C$ is:

- Ans** ☐ A. 4 : 12 : 33
☒ B. 14 : 21 : 33
☐ C. 11 : 23 : 40
☐ D. 4 : 31 : 21

- Q.35 Pipe P can fill $\frac{2}{5}$ part of a tank in 42 hours and pipe Q can fill $\frac{2}{5}$ part kept open for 5 hours, then both were closed. Pipe R alone was then 6 hours. Pipes P, Q and R together can fill the empty tank in:

Ans ☒ A. 75 hours
☐ B. 94 hours
☐ C. 71 hours
☐ D. 92 hours

- Q.36 A class of 93 students took a Physics test. 10 students had an average score of 90. The remaining students had an average score of 75. What is the average score (rounded off to one decimal place) of the whole class?

Ans ☐ A. 74.9
☐ B. 86.7
☒ C. 76.6
☐ D. 71.8

- Q.37 The sides of a triangle are 24 cm, 32 cm and 40 cm. What is the length of its altitude corresponding to the side with the length of 32 cm?

Ans ☐ A. 55 cm
☒ B. 24 cm
☐ C. 33 cm
☐ D. 43 cm

- Q.38 Find the area of the triangle if the lengths of its two perpendicular sides are 4 cm and 5 cm.

Ans ☒ A. 10 cm^2
☐ B. 30 cm^2
☐ C. 20 cm^2
☐ D. 25 cm^2

- Q.39 Find the H.C.F. of 18, 54, and 72 is:

Ans ☒ A. 18
☐ B. 6
☐ C. 12
☐ D. 27

- Q.40 The minute hand of a large wall clock is 63 cm long. Using $\pi = \frac{22}{7}$, find the distance traced by the tip of the minute hand in 11 seconds.

Ans ☐ A. 1.10
☐ B. 1.59
☒ C. 1.21
☐ D. 1.74

Q.41 If 10% of 60% of $\frac{2}{3}$ of a number is 841, find the number.

- Ans ☐ A. 20110
☒ B. 21025
☐ C. 22530
☐ D. 21500

Q.42 The arithmetic mean of the observations 27, 36, 12, 24, 48, 59, 60, 80 and 14 is:

- Ans ☐ A. 36
☒ B. 40
☐ C. 31
☐ D. 38

Q.43 A dealer makes a profit of 52% even after giving a 24% discount on the advertised price of a scooty. If he makes a profit of ₹6,526 on the sale of the scooty, what is the advertised price (in ₹)?

- Ans ☐ A. 25,103
☐ B. 25,132
☒ C. 25,100
☐ D. 25,065

Q.44 In 10 years from now, A will be twice as old as B was 10 years ago. If A is 9 years older than B, find the present age of A.

- Ans ☐ A. 40 years
☒ B. 48 years
☐ C. 44 years
☐ D. 38 years

Q.45 The value of $[3 \div 2 \times (7 - 2)] - (3 \div 2 \text{ of } 6) - 2$ is:

- Ans ☐ A. 6.25
☐ B. 4.75
☐ C. 5.75
☒ D. 5.25

Q.46 Sohan sells a water bottle to Ronak at 28% profit. Ronak sells the water bottle to Rahul at a profit of 12.5%. If Rahul paid ₹288 for the water bottle, then for how much did Sohan buy it?

- Ans ☐ A. ₹150
☐ B. ₹220
☒ C. ₹200
☐ D. ₹180

Q.47 The difference between two numbers is 92. The ratio of the two numbers is 7 : 3. Which is the smaller of the two numbers?

- Ans ☒ A. 69
☐ B. 96
☐ C. 63
☐ D. 79

Q.48 What is the third proportional to $54x^2$ and $18xy$?

- Ans**
- ☒ A. $6y^2$
 - ☐ B. $7y^2$
 - ☐ C. $4y^2$
 - ☐ D. $5y^2$

Q.49 If an item marked at ₹6,250 is sold for ₹250, then what is the discount percentage?

- Ans**
- ☐ A. 98%
 - ☐ B. 95%
 - ☒ C. 96%
 - ☐ D. 97%

Q.50 A rectangular aquarium with dimensions $60\text{ cm} \times 45\text{ cm} \times 40\text{ cm}$ is filled with water to 80% of its height. If a solid metallic cube of edge 20 cm is completely immersed in it, by how much does the water level rise (rounded off to two decimal places)?

- Ans**
- ☒ A. 2.96 cm
 - ☐ B. 2.76 cm
 - ☐ C. 2.36 cm
 - ☐ D. 2.56 cm

Section : General Intelligence and Reasoning

Q.51 Town K is to the east of Town L. Town M is to the south of Town K. Town N is to the west of Town M. Town O is to the north of Town N. Town L is to the north-west of Town O. What is the position of Town K with respect to Town O?

- Ans**
- ☐ A. South-west
 - ☐ B. North-west
 - ☐ C. South-east
 - ☒ D. North-east

Q.52 In a certain code language,

A ? B means 'A is the daughter of B',
A = B means 'A is the son of B',
A @ B means 'A is the father of B' and
A √ B means 'A is the sister of B'.

How is C related to L if 'C √ D ? E @ F = L'?

- Ans**
- ☐ A. Sister
 - ☐ B. Mother
 - ☒ C. Daughter
 - ☐ D. Wife

Q.53 Kavya ranked 32nd from the top and 15th from the bottom in her class. How many students are there in the class?

- Ans**
- ☒ A. 46
 - ☐ B. 36
 - ☐ C. 35
 - ☐ D. 40

Q.54 Refer to the following series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 5 7 1 8 4 2 3 9 5 7 6 1 (Right)

How many even numbers are there (from left to right) which are immediately followed by odd numbers?

- Ans** ☒ A. Two
☐ B. One
☐ C. Three
☐ D. More than three

Q.55 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. UUX
☐ B. CBF
☐ C. KJN
☐ D. VUY

Q.56 What should come in place of the question mark (?) in the given series?
42 55 68 81 94 ?

- Ans** ☐ A. 125
☒ B. 107
☐ C. 105
☐ D. 95

Q.57 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

OSO-SWS
IMI-MQM

- Ans** ☐ A. QTO-TXT
☐ B. QTO-UYU
☐ C. QUQ-TYT
☒ D. QUQ-UYU

Q.58 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only one person sits to the left of E. Only two people sit between E and F. C sits immediately to the right of D. G sits immediately to the left of A. Only one person sits between F and D. How many people sit between A and E?

- Ans** ☒ A. 4
☐ B. 2
☐ C. 3
☐ D. 1

- Q.59** 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 fruits are vegetables.
All vegetables are animals.

Conclusions:

(I): Some animals are fruits.

(II): Some fruits are not animals.

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

- Q.60** In a certain code language, 'hold it together' is coded as 'gt df za' and 'do it together' is coded as 'kl df za'. How is 'hold' coded in the given language?

(All codes are two-letter codes)

- Ans** ☒ A. df
☒ B. gt
☒ C. kl
☒ D. za

- Q.61** Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only three boxes are kept below N. Only two boxes are kept between N and P. Only Q is kept above O. S is kept at some place below R and at some place above M. Which box is kept at the second position from the bottom?

- Ans** ☒ A. S
☒ B. M
☒ C. P
☒ D. O

- Q.62** Each of the digits in the number 3412687 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans** ☒ A. 9
☒ B. 11
☒ C. 8
☒ D. 6

- Q.63** HO 2 is related to IJ -12 in a certain way. In the same way, FI 5 is related to GD -9. To which of the given options is HU 3 related, following the same logic?

- Ans** ☒ A. JQ -13
☒ B. IQ -11
☒ C. IP -11
☒ D. JP -13

- Q.64** 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 Robins are Penguins.

All Penguins are Magpies.

All Magpies are Eagles.

Conclusions:

(I): All Penguins are Eagles.

(II): Some Magpies are Robins.

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

- Q.65** In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LAKE - ALKE - EKAL

UGLY - GULY - YLGU

- Ans** ☒ A. RUNS - URNS - UNSR
☒ B. SINK - ISNK - KNIS
☒ C. PLAY - PALY - YALP
☒ D. MEAT - EMAT - TEAM

- Q.66** In a certain code language, 'star bag magic' is coded as 'bk kk sm' and 'wheat star poem' is coded as 'kk tj ew'. How is 'star' coded in that language?

- Ans** ☒ A. kk
☒ B. bk
☒ C. sm
☒ D. tj

- Q.67** O, P, Q, R, W, X, and Y are sitting in a straight line facing the north. Only three people sit between W and Y. P sits to the immediate left of Y. No one sits to the right of Q. Only two people sit between Q and P. X sits to the immediate right of O. How many people sit between R and X?

- Ans** ☒ A. Four
☒ B. Two
☒ C. Three
☒ D. One

- Q.68** O, P, Q, R, W, X and Y are sitting in a straight line, facing north. Only three people sit to the left of P. Only R sits to the right of Q. Only three people sit between Q and O. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

- Ans** ☒ A. Four
☒ B. Two
☒ C. Three
☒ D. One

Q.69 What should come in place of the question mark (?) in the given series?

17 24 38 59 87 ?

- Ans
- ☐ A. 120
 - ☐ B. 123
 - ☐ C. 121
 - ☒ D. 122

Q.70 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 7362984, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans
- ☒ A. 10
 - ☐ B. 8
 - ☐ C. 9
 - ☐ D. 11

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BJR 18 CKS 20 DLT 22 EMU 24 ?

- Ans
- ☐ A. GOY 26
 - ☐ B. GPV 26
 - ☒ C. FNV 26
 - ☐ D. FOW 26

Q.72 What should come in place of the question mark (?) in the given series?

8 10 7 12 '?' 16

- Ans
- A. 11
 - B. 10
 - C. 4
 - D. 5

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.73 Each of the digits in the number 2716495 is arranged in ascending order from left to right. What will be the sum of the digits that are first from the left and first from the right in the new number thus formed?

- Ans
- ☐ A. 12
 - ☐ B. 9
 - ☐ C. 7
 - ☒ D. 10

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

CKT60, GMS54, KOR48, ?

- Ans
- ☐ A. PQR41
 - ☒ B. OQQ42
 - ☐ C. PRR41
 - ☐ D. ORQ42

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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 21, 38)

(43, 39, 56)

Ans ✓ A. (26, 22, 39)

✗ B. (9, 5, 24)

✗ C. (32, 36, 53)

✗ D. (39, 35, 18)

Q.76 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 5 5 4 3 8 3 2 8 2 4 4 5 8 2 6 4 9 7 8 4 2 2 9 6 1 3 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans ✓ A. 2

✗ B. 1

✗ C. 4

✗ D. 3

Q.77 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 letter-cluster pair 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. VM – SY

✓ B. PG – NS

✗ C. XO – UA

✗ D. WN – TZ

Q.78 Mr. Akai starts from Point A and drives 16 km towards the north. He then takes a left turn, drives 14 km, turns left and drives 19 km. He then takes a left turn and drives 30 km. He takes a final left turn, drives 3 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. 16 km to the west

✗ B. 20 km to the south

✗ C. 16 km to the east

✗ D. 12 km to the north

Q.79 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 1 1 4 3 4 8 2 5 2 4 8 3 1 3 8 3 3 4 3 2 8 9 7 3 4 2 8 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans
- ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☒ D. 3

Q.80 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 7 \$ 5 @ 3 ! 3 5 6 7 & % \$ 3 # 2 7 + ? > < (Right)

If all the numbers are dropped from the series, which of the following will be the seventh from the right?

- Ans
- ☒ A. %
 - ☐ B. @
 - ☐ C. #
 - ☐ D. \$

Section : General Awareness and Current Affairs

Q.81 Who inaugurated the Fit India Carnival, 2025?

- Ans
- ☐ A. Narendra Modi
 - ☐ B. Anurag Thakur
 - ☐ C. Amit Shah
 - ☒ D. Mansukh Mandaviya

Q.82 What is the name of the scheme announced in Union Budget 2025–26 for promoting Indian language books in digital form?

- Ans
- ☒ A. Bharatiya Bhasha Pustak Scheme
 - ☐ B. Bhasha Shiksha Abhiyan
 - ☐ C. Digital Bharat Granth Scheme
 - ☐ D. Vidya Vani Project

Q.83 What is the full form of ICC in the context of cricket?

- Ans
- ☐ A. International Cricket Confederation
 - ☐ B. International Council for Cricket
 - ☒ C. International Cricket Council
 - ☐ D. Indian Cricket Council

Q.84 As reported in February 2025, the Union Environment Ministry of Government of India developed new features on which platform for quicker processing of forest clearances?

- Ans
- ☐ A. PARIVARTAN 2.0
 - ☒ B. PARIVESH 2.0
 - ☐ C. SAMARPAN 2.0
 - ☐ D. Ecosia 2.0

Q.85 On 21 May 2025, the Indian Navy officially inducted a uniquely constructed Ancient Stitched Ship at Karwar Naval Base. Which IIT is the technical partner for this?

- Ans**
- ☐ A. IIT Kanpur
 - ☐ B. IIT Hyderabad
 - ☒ C. IIT Madras
 - ☐ D. IIT Kharagpur

Q.86 Who won the Men's Singles title at the Australian Open 2025?

- Ans**
- ☐ A. Alexander Zverev
 - ☐ B. Novak Djokovic
 - ☐ C. Carlos Alcaraz
 - ☒ D. Jannik Sinner

Q.87 In November 2025, Narendra Modi inaugurated 'Shanti Shikhar', a modern centre for spiritual learning, peace, and meditation of the Brahma Kumaris at Nava Raipur in which Indian state?

- Ans**
- ☐ A. Jharkhand
 - ☐ B. Odisha
 - ☒ C. Chhattisgarh
 - ☐ D. Madhya Pradesh

Q.88 On 16 May 2025, the Supreme Court struck down government provisions that allowed what type of environmental clearance?

- Ans**
- ☐ A. Clearances for small-scale projects
 - ☐ B. Hastily approved clearances
 - ☐ C. Fast-track clearances
 - ☒ D. Retrospective environmental clearances

Q.89 Which of the following organisations launched the 'Digital Taxpayer Interface System' (DTIS) in 2025 to ease income tax filing?

- Ans**
- ☐ A. Reserve Bank of India
 - ☐ B. NITI Aayog
 - ☐ C. GST Council
 - ☒ D. Central Board of Direct Taxes (CBDT)

Q.90 During the Asian Productivity Organization's May 2025 meeting, what leadership role did India assume?

- Ans**
- ☐ A. Announced relocation of secretariat to New Delhi
 - ☐ B. Elected as Secretary-General
 - ☐ C. Vice-Chair for 2025-26
 - ☒ D. Chairmanship for 2025-26

Q.91 Which of the following cities of India established a Public-Private Partnership (PPP) model-based green waste processing plant under the Swachh Bharat Mission-Urban that started the first batch of trial production in March 2025?

- Ans**
- ☐ A. Chandigarh
 - ☐ B. Chennai
 - ☐ C. Mysore
 - ☒ D. Indore

Q.92 The World Social Summit (Second Summit for Social Development) was scheduled for 4-6 November 2025 in:

- Ans**
- ☐ A. Geneva, Switzerland
 - ☐ B. Nairobi, Kenya
 - ☒ C. Doha, Qatar
 - ☐ D. New York, USA

Q.93 In June 2025, what was the Reserve Bank of India's (RBI) forecast for the average Consumer Price Index (CPI) inflation for FY26?

- Ans**
- ☒ A. 3.7%
 - ☐ B. 4.1%
 - ☐ C. 3.1%
 - ☐ D. 3.5%

Q.94 Which of the following government schemes was launched to strengthen India's ecosystem for manufacturing electronic components, modules, and sub-assemblies?

- Ans**
- ☐ A. Production Linked Incentive (PLI) Scheme
 - ☐ B. Digital India Programme
 - ☒ C. Electronics Component Manufacturing Scheme
 - ☐ D. Make in India Initiative

Q.95 Which of the following portals integrated multiple agriculture schemes across ministries in June 2025?

- Ans**
- ☐ A. FarmOne
 - ☒ B. Krishi Nivesh
 - ☐ C. AgriConnect
 - ☐ D. Kisan Setu

Q.96 Which coach received the Dronacharya Award for shooting in 2025?

- Ans**
- ☒ A. Deepali Deshpande
 - ☐ B. S Muralidharan
 - ☐ C. Sandeep Sangwan
 - ☐ D. Subhash Rana

Q.97 Which of the following major health issues is Puducherry targeting in 2025 through its new screening initiative under the Family Adoption Programme?

- Ans**
- ☐ A. Diabetes
 - ☒ B. Tuberculosis
 - ☐ C. Dengue
 - ☐ D. Malaria

Q.98 In 2025, which nation announced its withdrawal from the Economic Community of Central African States (ECCAS)?

- Ans**
- ☒ A. Rwanda
 - ☐ B. Burundi
 - ☐ C. Gabon
 - ☐ D. Cameroon

Q.99 Which of the following reports, released in October 2025, stated that human-caused PM2.5 pollution was responsible for more than 1.7 million deaths in India in 2022?

- Ans**
- ☐ A. The UNEP Global Assessment Report on Air Pollution and Health
 - ☒ B. The Lancet Countdown on Health and Climate Change
 - ☐ C. The World Health Organization Air Quality Assessment Report, 2025
 - ☐ D. India State of Environment and Health Overview Report, 2025

Q.100 Under the scheme ADITI (Acing Development of Innovative Technologies), announced at DefConnect 2024, which of the following is the size of the corpus to promote innovation in defence technologies?

- Ans**
- ☐ A. ₹500 crore
 - ☒ B. ₹750 crore
 - ☐ C. ₹1,000 crore
 - ☐ D. ₹250 crore



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ARYA MAHILA PG COLLEGE
Test Date	12/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 How many atoms are there in a molecule of water?

- Ans
- ☒ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4

Q.2 What type of reaction is $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$?

- Ans
- ☐ A. Displacement
 - ☐ B. Neutralisation
 - ☒ C. Combination
 - ☐ D. Decomposition

Q.3 Small changes in DNA copies during reproduction are important because they _____.

- Ans
- ☐ A. stop reproduction in the next generation
 - ☐ B. always cause harmful effects
 - ☒ C. provide variations which may help in survival
 - ☐ D. prevent fertilisation from happening

Q.4 A boy is running in a circular track of radius 10 m. He completes one circle in 1 minute. What is his average speed?

- Ans
- ☐ A. 0 m/s
 - ☐ B. 5.2 m/s
 - ☐ C. 10.4 m/s
 - ☒ D. 1.04 m/s

Q.5 Which of the following organisms reproduces by binary fission?

- Ans
- ☐ A. Spirogyra
 - ☐ B. Planaria
 - ☒ C. Amoeba
 - ☐ D. Hydra

Q.6 Which of the following cell organelles is filled with digestive enzymes and helps to keep the cell clean by digesting any foreign material as well as worn out cell organelles?

- Ans**
- ☐ A. Chloroplast
 - ☐ B. Ribosome
 - ☐ C. Chromoplast
 - ☒ D. Lysosomes

Q.7 When barium chloride reacts with aluminium sulphate, it gives aluminium chloride along with:

- Ans**
- ☒ A. a white colour precipitate of barium sulphate
 - ☐ B. a white colour precipitate of barium oxide
 - ☐ C. a yellow colour precipitate of barium sulphate
 - ☐ D. a white colour precipitate of barium chloride

Q.8 What is the role of the prostate gland and seminal vesicles in the human male reproductive system?

- Ans**
- ☒ A. To provide fluids for transporting sperm
 - ☐ B. To produce sperm cells
 - ☐ C. To secrete testosterone
 - ☐ D. To lower the temperature of the testes

Q.9 What is the meaning of 'Different parts of the human body perform different functions'?

- Ans**
- ☒ A. Presence of division of labour
 - ☐ B. Different cells perform same function
 - ☐ C. Absence of division of labour
 - ☐ D. All cells perform same function

Q.10 The absolute refractive index of a medium is defined as the ratio of _____.

- Ans**
- ☐ A. speed of light in water to speed of light in medium
 - ☐ B. speed of light in glass to speed of light in water
 - ☒ C. speed of light in vacuum to speed of light in medium
 - ☐ D. speed of light in medium to speed of light in vacuum

Q.11 Which of the following statements is **INCORRECT** regarding the shape and function of different cell types?

- Ans**
- ☐ A. Nerve cells are long and branched to carry messages across the body.
 - ☒ B. Muscle cells are flat and circular to help them flow in blood.
 - ☐ C. Red blood cells are biconcave to increase oxygen-carrying capacity.
 - ☐ D. White blood cells can change shape to move through tissues.

Q.12 Isobars are atoms having the same:

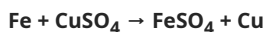
- Ans**
- ☐ A. number of electrons only
 - ☐ B. number of neutrons only
 - ☐ C. atomic number and mass
 - ☒ D. mass number, different elements

Q.13 Which of the following methods is NOT used for the ore enrichment?

- Ans**
- A. Hydraulic washing
 - B. Leaching
 - C. Froth floatation
 - D. Dredging

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.14 In the following reaction, what colour change is observed?



- Ans**
- ☐ A. Green to blue
 - ☐ B. Blue to red
 - ☒ C. Blue to green
 - ☐ D. Red to green

Q.15 When light enters a glass prism from air at the first refracting surface, the light ray _____.

- Ans**
- ☐ A. Bends away from the normal, increasing the angle of incidence
 - ☒ B. Bends towards the normal, as it enters a denser medium
 - ☐ C. Passes straight through without bending
 - ☐ D. Undergoes total internal reflection.

Q.16 The ability of gases to be compressed easily is due to:

- Ans**
- ☐ A. high mass of particles
 - ☐ B. lack of particles
 - ☒ C. large spaces between particles
 - ☐ D. strong forces between particles

Q.17 Which of the following best describes the key feature of the velocity-time graph for an object moving with uniform velocity?

- Ans**
- ☐ A. It is a straight line parallel to the velocity axis.
 - ☐ B. It is a curved line.
 - ☐ C. It is a straight line inclined to the time axis.
 - ☒ D. It is a straight line parallel to the time axis.

Q.18 Why do we need to conserve coal and petroleum?

- Ans**
- ☐ A. They are renewable sources of energy.
 - ☐ B. They are unlimited resources.
 - ☐ C. They are formed every day in factories.
 - ☒ D. They are non-renewable sources of energy.

Q.19 What is the electronic configuration of oxygen (Atomic number = 8)?

- Ans**
- ☒ A. 2, 6
 - ☐ B. 2, 8
 - ☐ C. 4, 4
 - ☐ D. 2, 4, 6

Q.20 The formula for acceleration due to gravity (g) at the surface of the Earth is _____.

- Ans**
- ☐ A. $g = GM/R$
 - ☐ B. $g = R^2/GM$
 - ☒ C. $g = GM/R^2$
 - ☐ D. $g = G/MR^2$

Q.21 Why are ultrasounds preferred for cleaning objects with complex shapes?

- Ans**
- ☐ A. They have very high speed in liquids
 - ☐ B. They produce magnetic effect
 - ☒ C. Their high frequency dislodges dirt particles
 - ☐ D. They increase temperature of solution

Q.22 A voltmeter is always connected in a circuit:

- Ans**
- ☐ A. in place of a switch
 - ☐ B. in series
 - ☐ C. in diagonal
 - ☒ D. in parallel

Q.23 According to Joule's law of heating, the heat produced (H) is directly proportional to which of the following?

- Ans**
- ☐ A. The current (I)
 - ☒ B. The square of the current (I^2)
 - ☐ C. The square of the time (t^2)
 - ☐ D. The square of the resistance (R^2)

Q.24 A government scheme promotes the rearing of fish in artificially controlled freshwater ponds. What is this type of fishing called?

- Ans**
- ☐ A. Capture fishing
 - ☐ B. Marine fishing
 - ☐ C. Saltwater fishing
 - ☒ D. Culture fishing

Q.25 If a man of mass 75 kg climbs an 8 m staircase in 25 s, taking $g = 10 \text{ m/s}^2$, his average power is _____.

- Ans**
- ☐ A. 24 W
 - ☒ B. 240 W
 - ☐ C. 120 W
 - ☐ D. 150 W

Section : Mathematics

Q.26 Find the simplified value of the following expression.

$$(3^4 \times 3^{-2}) \div (3^3 \times 3^{-5}) \times (3^6)^{-1}$$

- Ans**
- ☒ A. $\frac{1}{9}$
 - ☐ B. $\frac{1}{3}$
 - ☐ C. $\frac{1}{27}$
 - ☐ D. $\frac{1}{81}$

Q.27 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Ashish borrowed an amount of ₹4,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ashish after 4 years.

- Ans**
- ☐ A. 63,100
 - ☐ B. 61,100
 - ☒ C. 61,600
 - ☐ D. 62,600

Q.28 The total surface area of a right circular cylinder with radius of the base 12 cm and height 72 cm is:

(take $\pi = 22/7$)

- Ans**
- ☐ A. 5430 cm²
 - ☐ B. 528 cm²
 - ☒ C. 6336 cm²
 - ☐ D. 905 cm²

Q.29 $\frac{1}{20}$ is what percentage of $\frac{9}{100}$? (Round off to two decimal places)

- Ans**
- ☒ A. 55.56%
 - ☐ B. 70.55%
 - ☐ C. 65.55%
 - ☐ D. 111.11%

Q.30 The average age of a father and his daughter is 27 years. The ratio of their ages 4 years hence from now, will be 23 : 8. Find the daughter's present age (in years).

- Ans**
- ☐ A. 16
 - ☐ B. 20
 - ☐ C. 15
 - ☒ D. 12

Q.31 A dealer purchased a microwave for ₹57,000. He allows a discount of 64% on its marked price and still gains 38%. Find the marked price of the microwave.

- Ans**
- ☐ A. ₹2,18,514
 - ☐ B. ₹2,18,398
 - ☒ C. ₹2,18,500
 - ☐ D. ₹2,18,310

Q.32 If mean is 35 and median is 33.5, then the value of mode is:

- Ans**
- ☐ A. 31.5
 - ☐ B. 32
 - ☒ C. 30.5
 - ☐ D. 31

Q.33 Pipe A can fill a tank in 32 minutes and pipe B can empty it in 48 minutes. If both the pipes are opened together, after how many minutes should pipe B be closed, so that the tank is filled in 60 minutes?

- Ans**
- ☒ A. 42
 - ☐ B. 48
 - ☐ C. 40
 - ☐ D. 36

Q.34 If $\left(8.5 \div 0.25 + \frac{26}{3} \div \frac{1}{3}\right)$ of $\frac{3}{50} = 0.01$ of P, then the value of P is:

- Ans ☒ A. 340
☒ B. 360
☒ C. 348
☒ D. 354

Q.35 ₹3,246 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5, and 6 : 7, respectively. The share of A (in ₹) is:

- Ans ☒ A. 576
☒ B. 612
☒ C. 532
☒ D. 508

Q.36 If $x^2 + \frac{1}{x^2} = 47$, then a possible value of $\left(x + \frac{1}{x}\right)$ is:

- Ans ☒ A. 9
☒ B. 7
☒ C. 8
☒ D. 6

Q.37 A, B and C can do a piece of work in 2, 6 and 3 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans ☒ A. 9
☒ B. 4
☒ C. 6
☒ D. 3

Q.38 Two cars start from the same point and travel in opposite directions. If one car travels at 60 km/hr and the other at 75 km/hr, how far apart will they be after 3 hours?

- Ans ☒ A. 405 km
☒ B. 425 km
☒ C. 395 km
☒ D. 445 km

Q.39 The fourth proportional to 12, a, and 6a is 50. What is the positive value of 'a'?

- Ans ☒ A. 12
☒ B. 13
☒ C. 8
☒ D. 10

Q.40 A ladder makes an angle of 60° with the ground when placed against a wall. If the foot of the ladder is 2 m away from the wall, the length of the ladder is:

- Ans ☒ A. $3\sqrt{2}$ m
☒ B. 6 m
☒ C. $2\sqrt{3}$ m
☒ D. 4 m

Q.41 The sides of a triangle are 20 cm, 51 cm, and 37 cm. What is the length of its altitude corresponding to the side with a length of 51 cm?

- Ans**
- ☐ A. 30 cm
 - ☐ B. 49 cm
 - ☐ C. 53 cm
 - ☒ D. 12 cm

Q.42 In a right-angle triangle ABC, right angled at B, AB = 8 cm. A line AO is drawn which meets BC at O such that AO = OC = 10 cm. Find the area of triangle ABC.

- Ans**
- ☐ A. 36 cm^2
 - ☐ B. 40 cm^2
 - ☒ C. 64 cm^2
 - ☐ D. 50 cm^2

Q.43 The cost price of a box of pen is ₹5,400. The shopkeeper gives a 62% discount on the cost price. What will be the selling price (in ₹)?

- Ans**
- ☐ A. 1,986
 - ☒ B. 2,052
 - ☐ C. 2,095
 - ☐ D. 2,138

Q.44 A camp has provisions for 55 persons for 14 days. In how many days will the same provisions finish off, if the strength of the camp is increased to 70 persons?

- Ans**
- ☐ A. 9
 - ☐ B. 14
 - ☒ C. 11
 - ☐ D. 10

Q.45 If a X m long train running at a speed of 41 m/sec crosses a railway platform in 34 sec. Find the value of X, if the length of the railway platform is 301 m.

- Ans**
- ☐ A. 1089
 - ☒ B. 1093
 - ☐ C. 1090
 - ☐ D. 1088

Q.46 If 60% of 20% of $\frac{2}{6}$ of a number is 343, find the number.

- Ans**
- ☐ A. 11400
 - ☐ B. 10610
 - ☒ C. 8575
 - ☐ D. 11240

Q.47 The arithmetic mean of the observations 90, 94, 44, 97, 46, 72, 62, 44 and 54 is:

- Ans**
- ☐ A. 57
 - ☐ B. 72
 - ☐ C. 71
 - ☒ D. 67

Q.48 An article is sold at a 15% profit. If it had been sold for ₹90 more, the profit would have been 25%. What is the cost price of the article?

- Ans**
- ☐ A. ₹800
 - ☒ B. ₹900
 - ☐ C. ₹850
 - ☐ D. ₹950

Q.49 The sum of two consecutive numbers is 51. What are the numbers?

- Ans**
- ☒ A. 25, 26
 - ☐ B. 24, 25
 - ☐ C. 26, 27
 - ☐ D. 27, 28

Q.50 The income of Raman is ₹70,000. He saves 26% of his income. If his income increases by 32% and expenditure increases by 45%, then his savings will:

- Ans**
- ☐ A. decrease by ₹908
 - ☒ B. decrease by ₹910
 - ☐ C. increase by ₹913
 - ☐ D. increase by ₹909

Section : General Intelligence and Reasoning

Q.51 Tinu starts from point A and drives 55 km towards east. He then takes a right turn, drives 57 km, turns right and drives 61 km. He then takes a right turn and drives 66 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?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 7 km to the south
 - ☐ B. 8 km to the south
 - ☐ C. 10 km to the north
 - ☒ D. 9 km to the south

Q.52 What should come in place of the question mark (?) in the given series?
31 51 71 91 111 ?

- Ans**
- ☐ A. 129
 - ☐ B. 130
 - ☐ C. 132
 - ☒ D. 131

Q.53 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 8 5 1 7 3 5 2 8 7 6 9 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☐ A. Four
 - ☒ B. One
 - ☐ C. Two
 - ☐ D. Three

Q.54 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WASP - WPSA - PSAW
GUTS - GSTU - STUG

- Ans**
- ☒ A. POND - PNOD - DNOP
 - ☒ B. HUGE - UHGE - EUGH
 - ☒ C. GROW - GRWO - ROWG
 - ☒ D. NICE - NECI - ECIN

Q.55 Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only two boxes are kept below B. Only one box is kept above W. Only one box is kept between W and E. T is kept immediately above S. P is kept at some place below D. How many boxes are kept between D and T?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Two

Q.56 Each of the digits in the number 7214365 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. None
 - ☒ D. Three

Q.57 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 letter-cluster pair that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. VS - CH
 - ☒ B. PN - WB
 - ☒ C. SP - ZE
 - ☒ D. HE - OT

Q.58 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between D and A when counted from the left of A. C sits third to the left of G. E sits to the immediate right of G. E sits second to the left of D. F is an immediate neighbour of C. How many people sit between B and G when counted from the left of G?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. One

Q.59 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % 4 6 1 * @ 8 \$ 7 & Ω 9 # 2 + 3 £ 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

- Ans**
- ☒ A. 3
 - ☒ B. 4
 - ☒ C. 6
 - ☒ D. 5

Q.60 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$112 \times 4 \div 8 - 2 + 23 = ?$$

- Ans**
- ☒ A. 26
 - ☒ B. 13
 - ☒ C. 18
 - ☒ D. 21

Q.61 In a certain code language, 'moving through life' is coded as 'gt df za' and 'life is short' is coded as 'kl td za'. How is 'life' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☒ A. gt
 - ☒ B. za
 - ☒ C. df
 - ☒ D. kl

Q.62 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

UN-RK-OQ
SL-PI-MO

- Ans**
- ☒ A. RJ-NH-KL
 - ☒ B. QJ-NG-KM
 - ☒ C. QJ-NG-KL
 - ☒ D. RJ-NG-KL

Q.63 Monit starts from point A and drives 43 km towards north. He then takes a left turn, drives 54 km, turns left and drives 58 km. He then takes a left turn and drives 67 km. He takes a final left turn, drives 15 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 12 km to the west
 - ☒ B. 13 km to the west
 - ☒ C. 11 km to the east
 - ☒ D. 10 km to the east

Q.64 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 3 8 9 8 9 3 4 4 4 5 1 2 3 6 8 3 2 9 6 2 9 1 4 9 2 1 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☒ A. Seven
 - ☒ B. Eight
 - ☒ C. Nine
 - ☒ D. Five

Q.65 What should come in place of the question mark (?) in the given series?

617 627 635 641 645 ?

- Ans**
- ☒ A. 647
 - ☒ B. 643
 - ☒ C. 641
 - ☒ D. 644

Q.66 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 its 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.)

(18, 162, 9)
(21, 189, 9)

- Ans**
- ☒ A. (9, 90, 9)
 - ☒ B. (12, 120, 9)
 - ☒ C. (16, 144, 8)
 - ☒ D. (15, 135, 9)

Q.67 FK 14 is related to CG 16 in a certain way. In the same way, QV 22 is related to NR 24. To which of the given options is OT 27 related, following the same logic?

- Ans**
- ☒ A. JQ 28
 - ☒ B. JS 29
 - ☒ C. LP 29
 - ☒ D. LS 28

Q.68 Refer to the given number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 1 8 9 1 3 8 3 8 9 9 5 9 6 5 5 1 7 7 4 2 3 1 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. None

Q.69 What should come in place of the question mark (?) in the given series?

612 610 606 600 592 ?

- Ans
- ☐ A. 581
 - ☐ B. 584
 - ☒ C. 582
 - ☐ D. 591

Q.70 In a row of 39 people facing north, Vandana is 16th from the left end. If Nayana sits 7th to the right of Vandana, then what is Nayana's position from the right end of the row?

- Ans
- ☐ A. 13th
 - ☐ B. 15th
 - ☐ C. 16th
 - ☒ D. 17th

Q.71 In a certain code language,
A ? B means 'A is the daughter of B',
A = B means 'A is the son of B',
A @ B means 'A is the father of B',
and A √ B means 'A is the sister of B'.

How is C related to L if 'C ? D @ E √ F = L'?

- Ans
- ☒ A. Daughter
 - ☐ B. Mother
 - ☐ C. Wife
 - ☐ D. Sister

Q.72 If + means ÷, - means ×, × means -, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

608 + 76 × 6 - 37 ÷ 259 = ?

- Ans
- ☐ A. 41
 - ☒ B. 45
 - ☐ C. 33
 - ☐ D. 39

Q.73 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only six people sit to the right of C. Only four people sit to the left of B. D sits to the left of A but right of B. F sits second to the right of G. How many people sit to the right of E?

- Ans
- ☒ A. Four
 - ☐ B. One
 - ☐ C. Three
 - ☐ D. Two

Q.74 In a certain code language, 'may i sit' is coded as 'pt sq ac' and 'please sit here' is coded as 'pt hm rf'. How is 'sit' coded in that language?

- Ans
- ☐ A. rf
 - ☐ B. sq
 - ☒ C. pt
 - ☐ D. hm

Q.75 Six people, D, E, F, G, H and I, are sitting in a row facing north. Only two people sit to the left of I. D sits third to the right of I. H is an immediate neighbour of both F and D. E sits to the immediate right of G. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which one DOES NOT belong to that group?

- Ans**
- ☒ A. FH
 - ☒ B. ED
 - ☒ C. IF
 - ☒ D. EI

Q.76 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

ICG23 JDH31 KEI39 LFJ47 ?

- Ans**
- ☒ A. MGL55
 - ☒ B. MGK56
 - ☒ C. MGK55
 - ☒ D. MGL56

Q.77 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 cups are glasses.

All glasses are tiles.

Conclusions:

(I) Some tiles are glasses.

(II) All cups are tiles

- 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.78 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. VZU
 - ☒ B. SVR
 - ☒ C. YBX
 - ☒ D. RUQ

Q.79 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWE ZDL GKS NRZ ?

- Ans**
- ☒ A. UGY
 - ☒ B. UYG
 - ☒ C. UGI
 - ☒ D. UIG

Q.80 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 conclusion(s) logically follow(s) from the statements.

Statements:

Some camels are boats.

Some boats are stars.

Conclusion (I): Some camels are stars.

Conclusion (II): Some boats are camels.

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

Section : General Awareness and Current Affairs

Q.81 What was the score of India in the Corruption Perceptions Index (CPI) for 2024 released by Transparency International in February 2025?

- Ans**
- ☒ A. 24
 - ☒ B. 31
 - ☒ C. 38
 - ☒ D. 40

Q.82 Under the Pradhan Mantri Bhartiya Janaushadhi Pariyojana, how many Jan Aushadhi Kendras (JAKs) have been opened till 28 February 2025 across India, having an end-to-end IT-enabled supply chain system?

- Ans**
- ☒ A. 15,057
 - ☒ B. 14,057
 - ☒ C. 13,007
 - ☒ D. 16,507

Q.83 What responsibility did the Supreme Court give to the National Environmental Engineering Research Institute (NEERI) in April 2025?

- Ans**
- ☒ A. To study the impact of glass industries on the Taj Mahal
 - ☒ B. To promote tourism near the Taj Mahal
 - ☒ C. To repair the Taj Mahal
 - ☒ D. To relocate glass factories near the Taj Mahal

Q.84 India will ban AsiaSat's AS-5 and AS-7 satellites after 31 March 2026. This decision comes from the Indian National Space Promotion and Authorisation Centre due to concerns over ____.

- Ans**
- ☒ A. South Korean authority
 - ☒ B. Chinese authority
 - ☒ C. Japanese authority
 - ☒ D. Singaporean authority

Q.85 What was the theme for Ayurveda Day, 2025, as announced by the Ministry of Ayush?

- Ans**
- ☒ A. Ayurveda for Wellness
 - ☒ B. Ayurveda, Environment & You
 - ☒ C. Traditional Remedies in Modern Times
 - ☒ D. Ayurveda for People & Planet

Q.86 According to the Global Peace Index 2025, which of the following countries at the bottom, indicating the least peaceful nation?

- Ans**
- ☐ A. Sudan
 - ☐ B. Syria
 - ☐ C. Yemen
 - ☒ D. Russia

Q.87 Which para-athlete was honoured with the Major Dhyan Chand Khel Ratna Award by President Droupadi Murmu at Rashtrapati Bhavan in January 2025?

- Ans**
- ☐ A. Subhash Rana
 - ☐ B. Preeti Pal
 - ☒ C. Praveen Kumar
 - ☐ D. Ajeet Singh

Q.88 Monika Gusain won a senior executive post in which of the following Indian associations?

- Ans**
- ☒ A. Supreme Court Bar Association
 - ☐ B. National Association of Realtors - India
 - ☐ C. Asian Rural Development Organization
 - ☐ D. Indian Institute of Architects

Q.89 In the Union Budget 2025-26, the Government of India announced which of the following missions for ensuring energy reliability and reducing dependency on fossil fuels?

- Ans**
- ☒ A. Nuclear Energy Mission
 - ☐ B. Hydro Power Mission
 - ☐ C. Hydrogen Mission
 - ☐ D. EV Mission

Q.90 Which of the following hockey players received the Arjuna Award in January 2025?

- Ans**
- ☐ A. Savita Punia
 - ☐ B. Gurjit Kaur
 - ☐ C. Deep Grace Ekka
 - ☒ D. Salima Tete

Q.91 With which country did India conduct the joint Humanitarian Assistance and Disaster Relief (HADR) exercise in May 2025?

- Ans**
- ☒ A. The Maldives
 - ☐ B. Sri Lanka
 - ☐ C. Japan
 - ☐ D. The Philippines

Q.92 Which of the following tennis tournaments used live electronic line calling instead of human judges in 2025?

- Ans**
- A. US Open
 - B. Wimbledon
 - C. French Open
 - D. Australian Open

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.93 Which earthquake rescue operation was launched by the National Disaster Response

- Ans
- ☐ A. Operation Vishnu
 - ☐ B. Operation Sudarshan
 - ☒ C. Operation Bramha
 - ☐ D. Operation Naag

Q.94 As of 4 July 2025, India's foreign exchange reserves stood at _____.

- Ans
- ☒ A. ₹59,68,048 crores
 - ☐ B. ₹67,68,048 crores
 - ☐ C. ₹56,58,048 crores
 - ☐ D. ₹54,68,048 crores

Q.95 What was the official theme for the National Technology Day, 2025?

- Ans
- ☐ A. MANTRA – Manovikas for Advancing New Technology, Research & Acceleration
 - ☐ B. TANTRA – Tapasya for Advancing New Technology, Research & Acceleration
 - ☒ C. YANTRA – Yugantar for Advancing New Technology, Research & Acceleration
 - ☐ D. PANTRA – Prapancha for Advancing New Technology, Research & Acceleration

Q.96 As of June 2025, in which of the following years has India aimed to achieve net-zero emissions?

- Ans
- ☐ A. 2047
 - ☐ B. 2057
 - ☒ C. 2070
 - ☐ D. 2030

Q.97 Bima Vistaar, an insurance product covering life, health and property for rural people, is likely to be launched by _____.

- Ans
- ☐ A. January 2026
 - ☐ B. March 2026
 - ☐ C. November 2025
 - ☒ D. December 2025

Q.98 On which date was the birth anniversary of social reformer Jyotiba Phule observed in the year 2025?

- Ans
- ☐ A. 14th April
 - ☐ B. 15th August
 - ☐ C. 5th September
 - ☒ D. 11th April

Q.99 Where was the 2025 Open Championship (golf) played from July 17-20?

- Ans
- ☐ A. Royal Liverpool, England
 - ☒ B. Royal Portrush, Northern Ireland
 - ☐ C. Royal Troon, Scotland
 - ☐ D. St Andrews, Scotland

Q.100 Who won Breakthrough of the Year at the 2025 Laureus Awards?

- Ans
- ☒ A. Lamine Yamal
 - ☐ B. Summer McIntosh
 - ☐ C. Coco Gauff
 - ☐ D. Victor Wembanyama



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Ward No 1
Test Date	12/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is correct if the egg is NOT fertilised with the sperm?

- Ans**
- ☒ A. Uterus lining slowly breaks, sheds as blood and mucous
 - ☐ B. Uterus lining is unaffected
 - ☐ C. Uterus lining becomes thin
 - ☐ D. Uterus lining becomes thick and spongy

Q.2 Which of the following is NOT the use of bleaching powder?

- Ans**
- ☐ A. as an oxidising agent in many chemical industries
 - ☐ B. to make drinking water free from germs
 - ☒ C. for removing permanent hardness of water
 - ☐ D. for bleaching cotton and linen in the textile industry

Q.3 Which of the following lenses can be used to correct the eye defect myopia?

- Ans**
- ☒ A. Concave lens
 - ☐ B. Cylindrical lens
 - ☐ C. Plano-convex lens
 - ☐ D. Convex lens

Q.4 Which material is generally used for making resistance wires because it has high resistance and high melting point?

- Ans**
- ☐ A. Copper
 - ☐ B. Silver
 - ☐ C. Aluminium
 - ☒ D. Nichrome

Q.5 An increase of molecular mass in any homologous series indicates:

- Ans**
- ☐ A. decrease melting and boiling points
 - ☐ B. decrease melting point and increases boiling point
 - ☐ C. increase melting point and decrease boiling point
 - ☒ D. increase melting and boiling points

Q.6 Carbon forms a very large number of compounds due to two unique properties. Which of the following correctly identifies these properties?

- Ans**
- ☒ A. Catenation and tetravalency
 - ☐ B. Good conductivity and sonorous nature
 - ☐ C. Allotropy and isomerism
 - ☐ D. High melting point and ductility

Q.7 Which type of epithelial tissue is found lining the kidney tubules?

- Ans**
- ☐ A. Skeletal Epithelium
 - ☐ B. Columnar Epithelium
 - ☐ C. Glandular Epithelium
 - ☒ D. Cuboidal Epithelium

Q.8 Match the following animal tissues with their correct features.

- | | |
|-----------------------------------|---|
| a. Squamous Epithelium | i. Cells are thin and flat and form a delicate lining of the oesophagus |
| b. Stratified Squamous Epithelium | ii. It forms the inner lining of the respiratory tract |
| c. Cuboidal Epithelium | iii. It forms the lining of kidney tubules and ducts of salivary glands |
| d. Ciliated Columnar Epithelium | iv. Cells are arranged in many layers, as in skin |

- Ans**
- ☐ A. a iv, b i, c iii, d ii
 - ☒ B. a i, b iv, c iii, d ii
 - ☐ C. a i, b iii, c ii, d iv
 - ☐ D. a iv, b i, c ii, d iii

Q.9 A ball is thrown vertically upwards at a speed of 2 m/s. What will be the maximum height attained and velocity of the body at the highest point, respectively, of the ball?

(Take $g = 10 \text{ m/s}^2$)

- Ans**
- ☐ A. 0.2 m and 2 m/s
 - ☒ B. 0.2 m and 0 m/s
 - ☐ C. 5 m and 0 m/s
 - ☐ D. 5 m and 2 m/s

Q.10 A car starts from rest is accelerated to a velocity of 60 km/hr in 5 minutes. What is the acceleration of the car?

- Ans**
- ☐ A. 12 m/s^2
 - ☐ B. 1 m/s^2
 - ☒ C. 0.055 m/s^2
 - ☐ D. 0.025 m/s^2

Q.11 If the speed of sound in air is 344 m/s, what is the minimum distance required for an observer to hear a distinct echo?

- Ans**
- ☐ A. 344 m
 - ☐ B. 0.1 m
 - ☒ C. 17.2 m
 - ☐ D. 34.4 m

Q.12 According to the sign convention for lenses, all distances measured in the direction of incident light are taken as:

- Ans ☒ A. positive
☐ B. depends on the type of lens
☐ C. zero
☐ D. negative

Q.13 From the given alternatives, which part of the flower finally changes into a fruit in the flowering plant?

- Ans ☐ A. Flower
☐ B. Seed
☒ C. Ovary
☐ D. Ovule

Q.14 A ball of mass 3 kg is placed on a shelf 2 m above the ground. The gravitational potential energy of the ball is (take $g = 10 \text{ m/s}^2$):

- Ans ☐ A. 30 J
☒ B. 60 J
☐ C. 6 J
☐ D. 300 J

Q.15 In poultry farming, what are the primary purposes for developing improved breeds?

- Ans ☐ A. Wool and milk production
☐ B. Decoration and sports
☐ C. Only manure production
☒ D. Egg and meat production

Q.16 Budding in Hydra is best classified as:

- Ans ☐ A. fragmentation
☐ B. sexual reproduction
☒ C. asexual reproduction
☐ D. fission

Q.17 Which of the following particles contribute to the mass number?

- Ans ☐ A. Electrons only
☐ B. Electrons and Protons
☒ C. Protons and Neutrons
☐ D. Protons only

Q.18 Which of the following statements correctly distinguishes a compound from a solution?

- Ans ☐ A. Both compound and solution are always homogeneous and chemically bonded.
☐ B. A compound can be separated into its components by physical methods, while a solution cannot.
☐ C. A compound has a variable composition, while a solution has a fixed composition.
☒ D. A compound has a fixed composition and properties distinct from its constituent elements, unlike a solution.

Q.19 Which of the following metals forms a protective oxide layer on its surface when exposed to air, preventing further corrosion?

- Ans ☐ A. Sodium
☐ B. Calcium
☒ C. Aluminium
☐ D. Magnesium

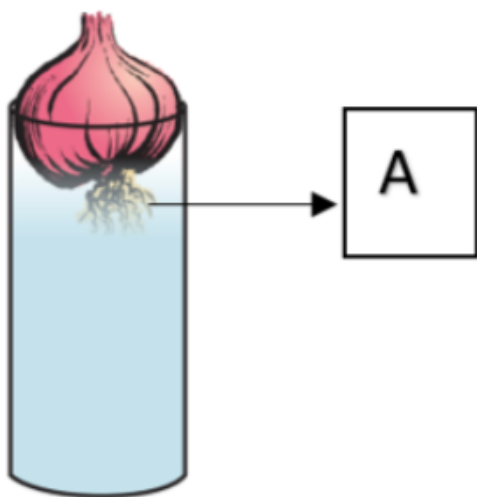
Q.20 Through which of the following ways can scientists incorporate desirable characters into crop varieties?

- Ans**
- ✓ A. Hybridisation
 - ✗ B. Weed control
 - ✗ C. Fertilisers
 - ✗ D. Irrigation

Q.21 In uniform circular motion, which of the following physical quantities remains constant?

- Ans**
- ✗ A. Acceleration
 - ✗ B. Velocity
 - ✓ C. Speed
 - ✗ D. Centripetal force

Q.22 Study the experimental set up containing a water filled jar and an onion with growing roots set vertically up. Which type of tissue is present in the portion A of roots tips?



- Ans**
- ✗ A. Collenchyma
 - ✗ B. Sclerenchyma
 - ✗ C. Parenchyma
 - ✓ D. Meristematic tissue

Q.23 The bad taste or smell from the leftover food is caused due to:

- Ans**
- ✓ A. the oxidation of fats and oil
 - ✗ B. the oxidation of sugar
 - ✗ C. the oxidation of carbohydrates
 - ✗ D. the oxidation of proteins

Q.24 In liquids, a small fraction of particles at the surface, having higher kinetic energy, which is able to break away from the forces of attraction of other particles, will ultimately get converted into which state?

- Ans**
- ✓ A. Vapor
 - ✗ B. Sublimation
 - ✗ C. Deposition
 - ✗ D. Solid

Q.25 An electric iron of resistance $15\ \Omega$ is connected to 220 V supply. How much heat will be produced in one minute?

- Ans** A. 194 kJ
B. 200 kJ
C. 500 kJ
D. 1.94 kJ

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Section : Mathematics

Q.26 Aarti, Anil and Naveen started a business in partnership, investing in the ratio of 17:6:17, respectively. At the end of the year, they earned a profit of ₹78,600, which is 20% of their total investment. How much did Anil invest (in ₹)?

- Ans** ☒ A. 58,880
☒ B. 58,788
☒ C. 58,838
☒ D. 58,950

Q.27 The curved surface area of a cylinder of height 12 cm is 602.88 cm^2 . If the radius of the cylinder is doubled and its height is increased by 25%, then find the ratio between the original volume to the new volume of the cylinder.

(Use $\pi = 3.14$)

- Ans** ☒ A. 3 : 7
☒ B. 4 : 9
☒ C. 2 : 3
☒ D. 1 : 5

Q.28 Prakhar and Riya together invested ₹35,600 in a business. At the end of the year, out of a total profit of ₹5,000, Prakhar's share was ₹2,300. What was Prakhar's investment?

- Ans** ☒ A. ₹16,235
☒ B. ₹16,390
☒ C. ₹16,376
☒ D. ₹16,675

Q.29 The length, breadth, and height of a rectangular box are in the ratio 8 : 7 : 5. If the volume of the box is 2240 cm^3 , find the total surface area (in cm^2 , round off to the nearest tens) of the box.

- Ans** ☒ A. 960
☒ B. 1250
☒ C. 1140
☒ D. 1050

Q.30 A cricketer has an average of 62 runs over 5 innings. If he scores 296 runs in the 6th inning, by how many runs does his average score increase?

- Ans** ☒ A. 30
☒ B. 37
☒ C. 39
☒ D. 36

Q.31 A building casts a shadow of length 46 m, when the angle of elevation
Find the height of the building. (Use $\sqrt{3} = 1.7$)

- Ans
- ☐ A. 82.4 m
 - ☐ B. 56.2 m
 - ☒ C. 78.2 m
 - ☐ D. 66.4 m

Q.32 Two trains, 259 m and 231 m in length, are running in opposite directions. The first runs at the rate of 55 km/hr and the second at the rate of 71 km/hr. How long will they take to cross each other?

- Ans
- ☐ A. 17 seconds
 - ☐ B. 16 seconds
 - ☐ C. 11 seconds
 - ☒ D. 14 seconds

Q.33 If an item marked at ₹4,820 is sold for ₹4,338, then what is the discount percentage?

- Ans
- ☒ A. 10%
 - ☐ B. 9%
 - ☐ C. 8%
 - ☐ D. 11%

Q.34 What is the value of x in the following equation?
 $x \div 0.45 = 2660$

- Ans
- ☐ A. 1179
 - ☒ B. 1197
 - ☐ C. 1971
 - ☐ D. 1195

Q.35 If $8x^2 + 2y^2 + 18z^2 - 4xy - 6yz - 12zx = 0$, then find x : y : z.

- Ans
- ☐ A. 2 : 3 : 5
 - ☐ B. 3 : 4 : 5
 - ☒ C. 3 : 6 : 2
 - ☐ D. 7 : 6 : 4

Q.36 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 14^\circ$. E is a point on BC such that $\angle CAE = 75^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☐ A. 136°
 - ☐ B. 137°
 - ☒ C. 151°
 - ☐ D. 166°

Q.37 One pipe can fill a tank in 2 minutes, while another pipe can empty the completely filled tank in 4 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 1
 - ☐ D. 3

Q.38 If 20% of a number is added to 78, then the result is the same number. 70% of the same number is:

- Ans** ☒ A. 68.25
☐ B. 78.25
☐ C. 98.25
☐ D. 88.25

Q.39 The sum of two numbers is 45 and their difference is 13. Find the smaller number.

- Ans** ☐ A. 13
☒ B. 16
☐ C. 15
☐ D. 12

Q.40 A son's present age is two-fifths of the age of his father. After 8 years from now, his age will be one-half of the age of his father. How old (in years) is the father at present?

- Ans** ☒ A. 40
☐ B. 42
☐ C. 45
☐ D. 44

Q.41 A shopkeeper marks his goods at X% above the cost price and sells them at a discount of 35%. If he makes a profit of 69%, find the value of X.

- Ans** ☐ A. 162
☒ B. 160
☐ C. 159
☐ D. 161

Q.42 Which of the given values can x NOT take without changing the mode in the following data set?

{1, 2, 3, 3, 7, 8, 9, 3, 11, x, 17, 11, 13}

- Ans** ☐ A. 2
☒ B. 11
☐ C. 13
☐ D. 3

Q.43 The value of $\frac{5}{14} \times \frac{14}{\frac{7}{5} \div \frac{7}{11} \text{ of } 2\frac{1}{5}}$ is:

- Ans** ☐ A. $\frac{5}{14}$
☒ B. 5
☐ C. $\frac{1}{5}$
☐ D. 1

Q.44 A person's salary is first reduced by 30% and then increased by 40%. What is the overall percentage decrease in his salary?

- Ans** ☐ A. 5%
☐ B. 3%
☐ C. 1%
☒ D. 2%

Q.45 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Mahesh borrowed an amount of ₹4,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mahesh after 2 years.

- Ans**
- ☒ A. 33,700
 - ☒ B. 31,700
 - ☒ C. 32,200
 - ☒ D. 33,200

Q.46 A woman travelled at a speed of 20 m/min for 80 min, and at a speed of 56 m/min for 64 min. Her average speed (in m/min) is:

- Ans**
- ☒ A. 36
 - ☒ B. 29
 - ☒ C. 40
 - ☒ D. 42

Q.47 If three numbers are in the ratio 3 : 5 : 7 and their total sum is 510, what is the greatest number that can exactly divide all three numbers?

- Ans**
- ☒ A. 32
 - ☒ B. 34
 - ☒ C. 33
 - ☒ D. 35

Q.48 The income of Raman is ₹43,500. He saves 17% of his income. If his income increases by 18% and expenditure increases by 20%, then his savings will:

- Ans**
- ☒ A. increase by ₹609
 - ☒ B. increase by ₹606
 - ☒ C. decrease by ₹604
 - ☒ D. decrease by ₹608

Q.49 Aditya can do $\frac{1}{6}$ th of a piece of work in 5 days and Bhagawan can do $\frac{1}{8}$ th of a piece of work in 7 days. Find the number of days taken to complete the work if both work together. (Rounded off to one decimal place)

- Ans**
- ☒ A. 18.9
 - ☒ B. 15.4
 - ☒ C. 19.4
 - ☒ D. 23.1

Q.50 Rizwan buys 3 watches, all with the same price, for a total of ₹4,800. He sells the first at a profit of ₹200, the second at a loss of ₹100, and the third at a profit of ₹150. What is the overall profit or loss percentage? (Round off to two decimal places)

- Ans**
- ☒ A. 5.21% profit
 - ☒ B. 4.31% profit
 - ☒ C. 4.31% loss
 - ☒ D. 5.21% loss

Q.51 What should come in place of the question mark (?) in the given series?

66 56 46 36 26 ?

- Ans** ☒ A. 16
☐ B. 14
☐ C. 13
☐ D. 15

Q.52 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 8 7 4 1 2 6 9 5 3 1 4 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans** ☐ A. Four
☒ B. One
☐ C. Two
☐ D. Three

Q.53 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:

All kites are banks.

No pencils are kites.

Conclusions:

(I) Some banks are not pencils.

(II) All banks are kites.

- 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.54 In a certain code language, 'LEASK' is coded as '76432' and 'KASEY' is coded as '46837'. What is the code for 'L' in the given code language?

- Ans** ☐ A. 7
☐ B. 4
☐ C. 3
☒ D. 2

Q.55 In a certain code language,
A ± B means 'A is the wife of B',
A * B means 'A is the son of B',
A ₹ B means 'A is the father of B',
and A # B means 'A is the sister of B'.

How is D related to O if 'D # R * A ± C ₹ O'?

- Ans** ☒ A. Sister
☐ B. Daughter
☐ C. Mother
☐ D. Wife

Q.56 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 \times 5 - 7 \div 8 + 10 = ?$$

- Ans** ☒ A. 51
☐ B. 49
☐ C. 50
☐ D. 53

Q.57 Deepali ranked 9th from the top and 43rd from the bottom in her class. How many students are there in the class?

- Ans** ☒ A. 51
☐ B. 53
☐ C. 41
☐ D. 21

Q.58 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 its 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.)

(11, 110, 10)
(8, 64, 8)

- Ans** ☐ A. (10, 80, 9)
☐ B. (9, 72, 9)
☒ C. (12, 120, 10)
☐ D. (7, 56, 7)

Q.59 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. VRN
B. TPL
C. UQN
D. ROJ

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.60 What should come in place of the question mark (?) in the given series, based on the English alphabetical order?

RUY PSW NQU LOS ?

- Ans** ☐ A. JNQ
☐ B. JNR
☒ C. JMQ
☐ D. JMR

Q.61 Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right.

(Left) 6 9 7 3 6 9 8 4 3 8 5 4 5 2 8 6 7 2 8 6 2 6 9 5 1 9 1 (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. 2
 - ☒ C. 3
 - ☒ D. 4

Q.62 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. WAC
 - ☒ B. AFG
 - ☒ C. TXZ
 - ☒ D. GKM

Q.63 What should come in place of the question mark (?) in the given series?

71 75 83 95 111 ?

- Ans**
- ☒ A. 151
 - ☒ B. 141
 - ☒ C. 131
 - ☒ D. 121

Q.64 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

OPM-KLI
YZW-UVS

- Ans**
- ☒ A. BCZ-WYU
 - ☒ B. BBX-XYV
 - ☒ C. BBX-WXU
 - ☒ D. BCZ-XYV

Q.65 A, B, C, D, W, X and Y are sitting in a straight line facing north. Only three people sit to the left of D. Only A sits to the right of C. Only three people sit between C and B. X sits at some place to the left of Y but at some place to the right of W. How many people sit between W and Y?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. Four

Q.66 Mr. Z starts from Point A and drives 12 km towards the East. He then takes a right turn, drives 17 km, then turns right and drives 32 km. He then takes a right turn and drives 7 km. He then taken a right turn, drives 10 km, then turns left and drives 4 km. He takes a final right turn, drives 10 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. 7 km to the North
 - ☐ B. 6 km to the South
 - ☒ C. 6 km to the North
 - ☐ D. 7 km to the South

Q.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HDP 1, JEM -2, LFJ 4, NGG -8, ?

- Ans**
- ☐ A. OPP 12
 - ☐ B. HJP 14
 - ☐ C. PPO 11
 - ☒ D. PHD 16

Q.68 Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) # 9 & 5 1 © * * * @ # & 7 & # \$ 8 & 3 1 @ € (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☐ A. 4
 - ☐ B. 3
 - ☒ C. 2
 - ☐ D. 1

Q.69 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:

All golds are hens.

No hen is a cow.

Conclusions:

(I) No gold is a cow.

(II) Some cows are hens.

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

Q.70 GB 16 is related to KE 13 in a certain way. In the same way, MH 25 is related to QK 22. To which of the given options is SN 28 related, following the same logic?

- Ans**
- ☐ A. WP 25
 - ☒ B. WQ 25
 - ☐ C. YQ 26
 - ☐ D. XP 26

Q.71 In a certain code language, 'the dog barks' is coded as 'av ds tw' and 'dog can run' is coded as 'rd te av'. How is 'dog' coded in the given language?

- Ans**
- ☒ A. tw
 - ☒ B. av
 - ☒ C. te
 - ☒ D. ds

Q.72 F, G, H, I, M, N, and O are sitting around a circular table, facing the centre of the table. Only two people sit between F and G, when counted from the right of F. Only two people sit between G and M, when counted from the right of G. Only three people sit between F and N, when counted from the right of F. H sits to the immediate left of I. Who sits third to the left of O?

- Ans**
- ☒ A. G
 - ☒ B. H
 - ☒ C. F
 - ☒ D. I

Q.73 A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the right of A. D sits second to the left of E. C is on the immediate right of B. Who is sitting on the immediate right of F?

- Ans**
- ☒ A. E
 - ☒ B. B
 - ☒ C. D
 - ☒ D. C

Q.74 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 1 3 9 6 7 7 7 9 4 4 1 1 5 9 6 5 3 5 9 1 4 3 3 3 3 3 3 (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. 1
 - ☒ B. 0
 - ☒ C. 2
 - ☒ D. 3

Q.75 If + means $\div$, $\div$ means $\times$, $\times$ means $-$, $-$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$23 - 15 \div 246 + 318 \times 6 = ?$$

- Ans**
- ☒ A. 562
 - ☒ B. 546
 - ☒ C. 554
 - ☒ D. 538

Q.76 Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. D is kept immediately above V. W is kept immediately above F. Only U is kept above E. Only one box is kept between U and D. W is not kept at third position from the bottom. How many boxes are kept between X and U?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Four

Q.77 Town X is to the west of Town Y. Town Z is to the north of Town Y. Town W is to the west of Town Z. Town V is to the south of Town W. Town X is to the north-west of Town V. What is the position of Town X with respect to Town W?

- Ans**
- ☐ A. South-east
 - ☒ B. South-west
 - ☐ C. North-east
 - ☐ D. North-west

Q.78 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$34 - 7 \div 6 + 270 \times 9 = ?$$

- Ans**
- ☒ A. 46
 - ☐ B. 48
 - ☐ C. 44
 - ☐ D. 42

Q.79 IB 15 is related to NF 12 in a certain way. In the same way, OH 20 is related to TL 17. To which of the given options is RK 26 related, following the same logic?

- Ans**
- ☒ A. WO 23
 - ☐ B. WQ 24
 - ☐ C. VN 23
 - ☐ D. UN 24

Q.80 What should come in place of the question mark (?) in the given series?

110 109 111 108 112 107 ?

- Ans**
- ☐ A. 117
 - ☐ B. 119
 - ☐ C. 115
 - ☒ D. 113

Section : General Awareness and Current Affairs

Q.81 Who set a new national record in the men's 10,000 metres at the Ten 2025 athletics meet held in San Juan Capistrano, USA?

- Ans**
- ☐ A. Avinash Sable
 - ☐ B. Gopi T
 - ☒ C. Gulveer Singh
 - ☐ D. Kartik Kumar

Q.82 Which authority introduced updated rules for biological resource regulation in India in 2025?

- Ans**
- ☐ A. National Environmental Council
 - ☒ B. National Biodiversity Authority
 - ☐ C. Central Pollution Control Board
 - ☐ D. International Eco Research Forum

Q.83 When was the Union Government of India approved the establishment of the Eighth Pay Commission?

- Ans**
- ☒ A. January 2025
 - ☐ B. April 2025
 - ☐ C. March 2025
 - ☐ D. February 2025

Q.84 Where will the Billie Jean King Cup Finals be hosted from 2025–2027?

- Ans**
- ☐ A. Tokyo, Japan
 - ☒ B. Shenzhen, China
 - ☐ C. Seoul, South Korea
 - ☐ D. Beijing, China

Q.85 Which award recognised Kelly Slater for his lifelong contributions to sport in April 2025?

- Ans**
- ☐ A. Laureus World Sportsman
 - ☐ B. ESPN Lifetime Honour
 - ☒ C. Laureus Lifetime Achievement Award
 - ☐ D. Olympic Order

Q.86 An all-women team from the Indian Army, Navy, and Air Force has successfully returned from the country's first-ever international open-sea sailing expedition to Seychelles in June 2025. What is the name of the indigenously-built Indian Armed Services Vessel used for this Sailing Expedition?

- Ans**
- ☐ A. Ganga
 - ☐ B. Durga
 - ☐ C. Bhagirathi
 - ☒ D. Triveni

Q.87 Which of the following two countries will co-host the ICC Men's T20 World Cup 2026?

- Ans**
- ☐ A. Sri Lanka and Pakistan
 - ☐ B. India and Bangladesh
 - ☒ C. India and Sri Lanka
 - ☐ D. India and UAE

Q.88 What rank did India secure in UNICEF's 'The State of the World's Children 2024' report, spotlighting the severe climate risks facing its children?

- Ans**
- ☒ A. 26th
 - ☐ B. 11th
 - ☐ C. 32nd
 - ☐ D. 54th

Q.89 The joint maritime drill between the Indian Navy and the Royal Navy that began on 05 October 2025 along India's western seaboard was known as ____.

- Ans**
- ☐ A. Operation Abhyaas-25
 - ☐ B. Yudh Abhyas-25
 - ☐ C. ZAPAD-25
 - ☒ D. KONKAN-25

Q.90 In January 2025, which of the following states signed an MoU with State Bank of India and Union bank of India to offer zero-premium insurance to government employees?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Uttar Pradesh
 - ☒ C. Assam
 - ☐ D. Gujarat

Q.91 In which state was the Rajiv Gandhi Van Samvardhan Yojana launched in June 2025?

- Ans**
- ☐ A. Haryana
 - ☐ B. Punjab
 - ☐ C. Uttarakhand
 - ☒ D. Himachal Pradesh

Q.92 As announced in May 2025, in which of the following states of India, will the first Artificial Intelligence Special Economic Zone be set up?

- Ans**
- ☒ A. Chhattisgarh
 - ☐ B. Gujarat
 - ☐ C. Telangana
 - ☐ D. Haryana

Q.93 In the short duration hot test of the semi-cryogenic engine conducted on 24 April 2025 by the Indian Space Research Organisation (ISRO), to validate the engine start-up sequence, the Engine Power Head Test Article was subjected to a hot test for a duration of _____.

- Ans**
- ☐ A. 6.5 seconds
 - ☒ B. 3.5 seconds
 - ☐ C. 4.5 seconds
 - ☐ D. 5.5 seconds

Q.94 Which traditional Islamic purpose aligns with the Waqf (Amendment) Act's 2025 focus on widows' and orphans' welfare?

- Ans**
- ☐ A. Nikah registration
 - ☒ B. Waqf-alal-aulad principle
 - ☐ C. Zakat donation
 - ☐ D. Madarsa development

Q.95 'Expanding Quality Higher Education through States and State Public Universities' is a report released in February 2025 by:

- Ans**
- ☒ A. NITI Aayog
 - ☐ B. Ministry of Education
 - ☐ C. University Grants Commission
 - ☐ D. IIT Bombay

Q.96 Which of the following banks revived its special Fixed Deposit (FD) scheme, known as 'Amrit Vrishti,' with a 444-day tenure, effective from 15 April 2025?

- Ans**
- ☐ A. Punjab National Bank
 - ☐ B. Bank of Baroda
 - ☐ C. Canara Bank
 - ☒ D. State Bank of India

Q.97 Which gymnast was named Sportswoman of the Year for the fourth time at the Laureus Awards?

- Ans**
- ☐ A. Sifan Hassan
 - ☐ B. Rebeca Andrade
 - ☐ C. Faith Kipyegon
 - ☒ D. Simone Biles

Q.98 Where was the Fit India Carnival 2025 held?

- Ans**
- ☐ A. India Gate, New Delhi
 - ☐ B. Red Fort, New Delhi
 - ☒ C. Jawaharlal Nehru Stadium, New Delhi
 - ☐ D. Indira Gandhi Indoor Stadium, New Delhi

Q.99 In which of the following years did the Government of India launch the National Critical Mineral Mission?

- Ans**
- ☐ A. 2017
 - ☐ B. 2023
 - ☐ C. 2021
 - ☒ D. 2025

Q.100 Which Bollywood actor announced his comeback with the film Duniyadari in 2025?

- Ans**
- ☐ A. Mithun Chakraborty
 - ☒ B. Govinda
 - ☐ C. Neeraj Shah
 - ☐ D. Sanjay Dutt



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Arunuma Technical Services Private Limited
Test Date	14/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following methods is commonly used to prevent rancidity in packaged food items?

- Ans
- ☒ A. Heating the food before packing
 - ☒ B. Flushing with nitrogen gas before sealing
 - ☒ C. Adding acids to the food
 - ☒ D. Storing food in oxygen-rich containers

Q.2 Three solutions A, B, and C have pH values of 3, 7, and 12, respectively. Which of the following statements is correct?

- Ans
- ☒ A. Solution A is strongly acidic, and solution C is strongly basic.
 - ☒ B. Solution B is basic and solution C is acidic.
 - ☒ C. Solution C is neutral while solution A is basic.
 - ☒ D. Solution A and C both are neutral.

Q.3 Which of the following is an application of ultrasound in industry?

- Ans
- ☒ A. Making objects lighter in weight
 - ☒ B. Increasing the speed of sound in solids
 - ☒ C. Detecting cracks in metal blocks
 - ☒ D. Used in refrigerators for cooling

Q.4 The Law of Conservation of Mass was given by:

- Ans
- ☒ A. Joseph Proust
 - ☒ B. Ernest Rutherford
 - ☒ C. Antoine Lavoisier
 - ☒ D. John Dalton

Q.5 Which of the following is NOT correct for uniform velocity?

- Ans
- ☒ A. The slope of the line in v-t graph is zero.
 - ☒ B. The area under the v-t graph gives acceleration.
 - ☒ C. The v-t graph is a horizontal line.
 - ☒ D. Velocity is constant and acceleration is zero.

Q.6 A boy walks from one end A to the other end B of a straight 1000 m road in 2 minutes and then turns around and walks 400 m back to point C in another 2 minutes. What will be the average velocity (in m/s) of the boy in going from point A to point C?

- Ans**
- ☐ A. 15
 - ☐ B. 25
 - ☒ C. 2.5
 - ☐ D. 150

Q.7 Which of the following methods of reproduction is found in Plasmodium?

- Ans**
- ☐ A. Budding
 - ☐ B. Layering
 - ☐ C. Grafting
 - ☒ D. Multiple fission

Q.8 The refractive index of the second medium with respect to the first depends on the:

- Ans**
- ☐ A. intensity of the incident light
 - ☐ B. shape of the boundary surface only
 - ☐ C. temperature of the surroundings only
 - ☒ D. colour (wavelength) of light used and the pair of media

Q.9 Which of the following is a part of the central nervous system in human?

- Ans**
- ☐ A. Cranial nerves
 - ☒ B. Spinal cord
 - ☐ C. Pharynx
 - ☐ D. Spinal nerves

Q.10 What is anode mud?

- Ans**
- ☐ A. A solution of soil and water
 - ☐ B. Insoluble impurities settle at cathode in electrolytic refining
 - ☐ C. Soluble impurities in solution in electrolytic refining
 - ☒ D. Insoluble impurities settle at anode in electrolytic refining

Q.11 The phenomenon of spreading out and mixing of a substance with another substance due to the motion of its particles is called which of the following?

- Ans**
- ☐ A. Condensation
 - ☐ B. Sublimation
 - ☒ C. Diffusion
 - ☐ D. Evaporation

Q.12 If 100 J of work is required to transfer 5 C of charge between two points, the potential difference between the points is:

- Ans**
- ☐ A. 25 V
 - ☐ B. 50 V
 - ☒ C. 20 V
 - ☐ D. 10 V

Q.13 Which of the following is an example of a decomposition reaction?

- Ans**
- ☒ A. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
 - ☐ B. $\text{Na} + \text{Cl}_2 \rightarrow \text{NaCl}$
 - ☐ C. $\text{Mg} + \text{O}_2 \rightarrow \text{MgO}$
 - ☐ D. $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$

Q.14 According to Ohm's law, the ratio of potential difference (V) across a conductor to the current (I) through it is constant, provided ____.

- Ans**
- ☐ A. current is very high
 - ☒ B. temperature remains constant
 - ☐ C. voltage is zero
 - ☐ D. resistance changes

Q.15 Which of the following living organisms have bones that help in body movements?

- Ans**
- ☒ A. Snake
 - ☐ B. Cockroach
 - ☐ C. Earthworm
 - ☐ D. Snail

Q.16 Which metal lies between magnesium and iron in the activity series?

- Ans**
- ☐ A. Potassium
 - ☒ B. Zinc
 - ☐ C. Silver
 - ☐ D. Copper

Q.17 Which of the following statements regarding the need for macronutrients in plants is correct?

- Ans**
- ☒ A. Macronutrients are required by plants in large quantities.
 - ☐ B. Macronutrients are harmful to plants if absorbed.
 - ☐ C. Macronutrients are not required by plants at all.
 - ☐ D. Macronutrients are needed only during flowering.

Q.18 Why did Mendel use true-breeding plants as parents in his crosses?

- Ans**
- ☐ A. To study environmental effects on growth of plants
 - ☐ B. To get large number of plants quickly
 - ☒ C. To study inheritance patterns
 - ☐ D. To grow them in similar soil condition

Q.19 The acceleration due to gravity on the surface of the Earth is given by:

- Ans**
- ☐ A. $g = R^2/GM$
 - ☒ B. $g = GM/R^2$
 - ☐ C. $g = GM/R$
 - ☐ D. $g = GM$

Q.20 Which of the following correctly shows the relationship between magnification (M), the object distances (u) and image- distance (v)?

- Ans**
- ☒ A. Magnification = v/u
 - ☐ B. Magnification = u/v
 - ☐ C. Magnification = $v \times u$
 - ☐ D. Magnification = $u + v$

Q.21 Which cell organelle is responsible for packaging and dispatching materials within or outside the cell?

- Ans**
- ☐ A. Mitochondria
 - ☒ B. Golgi apparatus
 - ☐ C. Nucleus
 - ☐ D. Ribosome

Q.22 Which of the following correctly compares the cell wall and cell membrane in plant and animal cells?

- Ans**
- ☐ A. Animal cells have both a rigid cell wall and a cell membrane, while plant cells only have a flexible cell membrane.
 - ☒ B. Plant cells have both a rigid cell wall and a cell membrane, while animal cells only have a flexible cell membrane.
 - ☐ C. Both plant and animal cells have a cell wall but only plant cells have a cell membrane.
 - ☐ D. Neither plant nor animal cells have a cell wall, but both have a cell membrane.

Q.23 Which of the following is the correct symbol for the element lead?

- Ans**
- ☒ A. Pb
 - ☐ B. Lb
 - ☐ C. Le
 - ☐ D. Ld

Q.24 The process of fission in an amoeba results in the formation of _____.

- Ans**
- ☒ A. two similar sized, genetically identical daughter cells
 - ☐ B. four genetically different daughter cells
 - ☐ C. a small daughter cell and a large mother cell that are genetically different
 - ☐ D. a large number of small, genetically identical daughter cells

Q.25 Which of the following statements is true about potential energy?

- Ans**
- ☐ A. It is always zero at the ground level.
 - ☐ B. It cannot be converted into kinetic energy.
 - ☒ C. It can be negative depending on the reference point.
 - ☐ D. It depends only on mass.

Section : Mathematics

Q.26 4 men can do a piece of work in 27 days. How many men will do it in 18 days?

- Ans**
- ☐ A. 7
 - ☐ B. 8
 - ☐ C. 9
 - ☒ D. 6

Q.27 A cricketer has an average of 68 runs over 9 innings. If he scores 130 runs in the 10th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- Ans**
- ☐ A. 7
 - ☒ B. 6
 - ☐ C. 15
 - ☐ D. 10

Q.28 The prices of articles of types P, Q and R are ₹280, ₹180 and ₹100, respectively. Rajiv purchases these articles in the ratio 3 : 4 : 3, spending a total of ₹27,900. How many articles of type Q did he buy?

- Ans**
- ☐ A. 72
 - ☒ B. 60
 - ☐ C. 84
 - ☐ D. 48

Q.29 The price of fuel decreases by 50%, 35% and 50% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places)

- Ans**
- ☐ A. Decreases by 74.19%
 - ☐ B. Increases by 80.11%
 - ☒ C. Decreases by 76.44%
 - ☐ D. Increases by 81.75%

Q.30 A shopkeeper declares the given three schemes of discounts. Which of the following schemes is most beneficial to a customer?

- A. Buy 5 items and get 23 of the same items free
- B. Two successive discounts of 14% and 37%
- C. Two successive equal discounts of 39%

- Ans**
- ☐ A. Only B
 - ☐ B. Both A and C
 - ☐ C. Only C
 - ☒ D. Only A

Q.31 A small sphere has a radius of 5 cm. A larger sphere is created by uniformly expanding the smaller sphere. The radius of the larger sphere is 15 cm. How many times greater is the surface area of the larger sphere compared to the smaller sphere?

- Ans**
- ☒ A. 9 times
 - ☐ B. 15 times
 - ☐ C. 3 times
 - ☐ D. 6 times

Q.32 From a point 40 m away from the foot of a tower, the angle of elevation of the top of the tower is 45° . Find the height of the tower.

- Ans**
- ☐ A. 45 m
 - ☐ B. 48 m
 - ☒ C. 40 m
 - ☐ D. 20 m

Q.33 The marked price of a television set is ₹35,000. A shopkeeper allows a discount of 22% and gets a profit of 75%. What is the cost price of the television set?

- Ans**
- ☒ A. ₹15,600
 - ☐ B. ₹15,570
 - ☐ C. ₹15,662
 - ☐ D. ₹15,714

Q.34 In 540 litres solution of acid and water, the ratio of acid and water is 2 : 10. How many litres of acid must be added to it to get the solution in which the ratio of acid and water is 9 : 5?

- Ans**
- ☐ A. 719
 - ☐ B. 721
 - ☐ C. 718
 - ☒ D. 720

Q.35 $\frac{1}{20}$ is what percentage of $\frac{11}{30}$? (Rounded off to two decimal places.)

- Ans
- ☐ A. 27.27%
 - ☐ B. 23.64%
 - ☐ C. 28.64%
 - ☒ D. 13.64%

Q.36 Rahul's present age is two-seventh of the present age of his grandmother. After 16 years, his age will be two-fifth of the age of his grandmother at that time. Find the present age of his grandmother.

- Ans
- ☐ A. 97 years
 - ☐ B. 100 years
 - ☒ C. 84 years
 - ☐ D. 90 years

Q.37 The amount on a sum of ₹5,200 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans
- ☐ A. ₹5,569
 - ☒ B. ₹6,292
 - ☐ C. ₹5,991
 - ☐ D. ₹5,552

Q.38 Simplify: $57 - [82 - (72 \div 3 - (17 - 40 \div 5) \div 9)]$

- Ans
- ☐ A. 3
 - ☒ B. -2
 - ☐ C. -9
 - ☐ D. -8

Q.39 The greatest number that will divide 45, 95 and 185, so as to leave the same remainder in each case is:

- Ans
- ☐ A. 95
 - ☐ B. 185
 - ☐ C. 45
 - ☒ D. 10

Q.40 What is the average speed of a bus which covers half the distance at a speed of 72 km/hr and the other half at a speed of 90 km/hr?

- Ans
- ☐ A. 83 km/hr
 - ☒ B. 80 km/hr
 - ☐ C. 84 km/hr
 - ☐ D. 77 km/hr

Q.41 Arun travels from City A to City B. If Arun drives his car at $\frac{2}{3}$ rd of his usual speed, Find the time (in minutes) that Arun would have taken to travel from A to B.

- Ans
- ☐ A. 73
 - ☐ B. 81
 - ☐ C. 78
 - ☒ D. 76

Q.42 A, B and C can complete a piece of work in 3, 4 and 6 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- Ans**
- ☐ A. 12
 - ☒ B. 4
 - ☐ C. 5
 - ☐ D. 8

Q.43 The sum of the digits of a two-digit number is 5. If 9 is added to this number, the digits interchange their places. Find the number.

- Ans**
- ☐ A. 14
 - ☐ B. 32
 - ☒ C. 23
 - ☐ D. 41

Q.44 In a presentation competition, Group Leo can complete a task in 9 days, while Group Tiger can finish it in 18 days if they work alone. If both groups work together, in how many days will they complete the task?

- Ans**
- ☐ A. 10 days
 - ☒ B. 6 days
 - ☐ C. 7 days
 - ☐ D. 5 days

Q.45 If 20% of a number is added to 96, then the result is the same number. 65% of the same number is:

- Ans**
- ☒ A. 78
 - ☐ B. 108
 - ☐ C. 88
 - ☐ D. 98

Q.46 The ratio of the curved surface area to the total surface area of a solid cylinder is 3 : 5. If its volume is $12,936 \text{ cm}^3$, what is its height? (Use $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 14 cm
 - ☒ B. 21 cm
 - ☐ C. 28 cm
 - ☐ D. 18 cm

Q.47 The average age of 42 students in a class is 14 years. If the age of the teacher is also included, the average age of the whole group becomes 15 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 60
 - ☐ B. 65
 - ☐ C. 59
 - ☒ D. 57

Q.48 The sides of a triangle are 37 cm, 44 cm and 15 cm. What is the length of its altitude corresponding to the side with the length of 44 cm?

- Ans**
- ☐ A. 16 cm
 - ☐ B. 33 cm
 - ☐ C. 45 cm
 - ☒ D. 12 cm

Q.49 'A' buys an air conditioner for ₹1,50,000 and sells it to 'B' at a loss of 30%. 'B' then sells it to 'C' at a profit of 5% on his cost price. What is the cost price (in ₹) of the air conditioner for 'C'?

- Ans ☒ A. 1,10,250
☐ B. 75,250
☐ C. 2,10,350
☐ D. 1,25,480

Q.50 Simplify $(x-3)^2 + (x+3)^2$.

- Ans ☐ A. $2x^2 + 16$
☐ B. $3x^2 + 18$
☐ C. $2x^2 - 18$
☒ D. $2x^2 + 18$

Section : General Intelligence and Reasoning

Q.51 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 2 1 4 7 8 6 5 2 3 9 1 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans ☐ A. Three
☒ B. One
☐ C. Two
☐ D. Four

Q.52 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 letter-cluster pair 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. GA-DI
☐ B. NH-KO
☐ C. JD-GK
☐ D. LF-IM

Q.53 Vaibhav ranked 9th from the top and 17th from the bottom in his class. How many students are there in the class?

- Ans ☐ A. 22
☐ B. 21
☒ C. 25
☐ D. 26

Q.54 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KR37 MT45 OV53 QX61 ?

- Ans ☒ A. SZ69
☐ B. SZ68
☐ C. SY69
☐ D. SY68

- Q.55** 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 its 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.)

(8, 64, 8)
(4, 16, 4)

- Ans** ☒ A. (3, 9, 4)
☒ B. (5, 125, 5)
☒ C. (9, 81, 9)
☒ D. (2, 8, 2)

- Q.56** What should come in place of the question mark (?) in the given series?

88 75 62 49 36 ?

- Ans** ☒ A. 23
☒ B. 27
☒ C. 21
☒ D. 25

- Q.57** O, P, Q, R, W, X, and Y are sitting in a straight line facing the north. Only two people sit to the right of X. Only two people sit between X and Q. Only two people sit between O and P. P sits to the immediate left of X. R sits to the immediate right of Y. Who sits at the third position from the left end of the line?

- Ans** ☒ A. O
☒ B. W
☒ C. P
☒ D. Y

- Q.58** In a certain code language,
'A + B' means 'A is the son of B'
'A - B' means 'A is the brother of B'
'A × B' means 'A is the wife of B'
'A ÷ B' means 'A is the father of B'
Based on the above, how is D related to J if 'D × F + G - H ÷ J'?

- Ans** ☒ A. Mother's brother's son's wife
☒ B. Mother's brother's son's daughter
☒ C. Father's brother's son's daughter
☒ D. Father's brother's son's wife

- Q.59** Each of the digits in the number 5493218 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans** ☒ A. 5
☒ B. 10
☒ C. 8
☒ D. 12

Q.60 Seven boxes B, C, D, I, J, K and L are kept one over the other but not necessarily in the same order. Only four boxes are kept above L. Only one box is kept above J. Only one box is kept between J and C. B is kept immediately above D. K is kept at some place below I. How many boxes are kept between I and B?

- Ans** ☒ A. One
☒ B. Four
☒ C. Three
☒ D. Two

Q.61 Seven people, B, C, D, I, J, K and L, are sitting around a circular table, facing the centre of the table. K sits third to the left of L. I sits to the immediate left of L. D sits to the immediate left of J. J sits second to the left of C. Who sits third to the right of B?

- Ans** ☒ A. D
☒ B. C
☒ C. J
☒ D. K

Q.62 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) 1 9 5 4 2 9 7 4 6 3 7 8 9 7 4 9 6 3 1 7 8 4 6 8 7 2 5 (Right)
How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☒ A. More than three
☒ B. Three
☒ C. One
☒ D. Two

Q.63 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?

$$45 \text{ A } 9 \text{ B } 13 \text{ C } 15 \text{ D } 17 = ?$$

- Ans** ☒ A. 64
☒ B. 63
☒ C. 62
☒ D. 61

Q.64 What should come in place of the question mark (?) in the given series?

$$312 \ 313 \ 303 \ 305 \ 295 \ 298 \ ?$$

- Ans** ☒ A. 286
☒ B. 288
☒ C. 285
☒ D. 287

- Q.65 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

All actors are dancers.

All dancers are magicians.

Conclusions:

(I) All magicians are actors.

(II) No dancer is an actor.

- Ans ☒ A. Only I follows
☒ B. Only II follows
☒ C. Neither follows
☒ D. Both follow

- Q.66 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$18 - 6 \div 228 + 46 \times 2 = ?$$

- Ans ☒ A. 313
☒ B. 309
☒ C. 326
☒ D. 334

- Q.67 What should come in place of the question mark (?) in the given series?

7 9 13 19 27 37 ?

- Ans ☒ A. 49
☒ B. 51
☒ C. 52
☒ D. 50

- Q.68 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 letter-cluster pair 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. KO-JM
☒ B. OS-NR
☒ C. MQ-LO
☒ D. IM-HK

- Q.69 QP 7 is related to TO -4 in a certain way. In the same way, AL 14 is related to DK 3. To which of the given options is RX 2 related, following the same logic?

- Ans ☒ A. UW -9
☒ B. TV -7
☒ C. UV -7
☒ D. TW -9

Q.70 RVSQ is related to OSPN in a certain way based on the English alphabetical order. In the same way, ZDAY is related to WAXV. To which of the given options is SWTR related, following the same logic?

- Ans**
- ☐ A. PUPY
 - ☒ B. PTQO
 - ☐ C. PTPO
 - ☐ D. PSPO

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

OPD73, RMG70, UJJ67, ?

- Ans**
- ☐ A. YGN64
 - ☐ B. XHN63
 - ☒ C. XGM64
 - ☐ D. YHM63

Q.72 In a certain code language, 'technology is advancing' is coded as 'mn jk rs' and 'humanity needs technology' is coded as 'ap mn fg'. How is 'technology' coded in the given language?

- Ans**
- ☐ A. jk
 - ☐ B. fg
 - ☒ C. mn
 - ☐ D. rs

Q.73 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 7 8 1 7 5 8 7 2 7 6 5 8 5 7 5 4 1 8 6 3 3 4 5 9 4 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. 4
 - ☒ B. 2
 - ☐ C. 1
 - ☐ D. 3

Q.74 Shruti starts from Point A and drives 12 km towards the south. She then takes a left turn, drives 8 km, turns right and drives 4 km. She then takes a right turn and drives 12 km. She then takes a right turn and drives 10 km. She takes a final right turn, drives 4 km and stops at Point D. How far (shortest distance) and in which direction is Point D with respect to Point A? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 6 km towards the east
 - ☒ B. 6 km towards the south
 - ☐ C. 7 km towards the west
 - ☐ D. 5 km towards the north

- Q.75** Refer to the given number, symbol series and answer the question that follows.
Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) % * 7 % € % 2 # € \$ € © 9 5 6 # 9 & 6 % 7 & (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☒ A. 3
 - ☒ B. 2
 - ☒ C. 1
 - ☒ D. 0

- Q.76** In a certain code language, 'uncle ocean elf' is coded as 'so ex rj' and 'elf yak queen' is coded as 'ku yi ex'. How is 'elf' coded in that language?

- Ans**
- ☒ A. ku
 - ☒ B. so
 - ☒ C. ex
 - ☒ D. rj

- Q.77** Samar starts from point A and drives 58 km towards north. He then takes a right turn, drives 64 km, turns right and drives 63 km. He then takes a right turn and drives 66 km. He takes a final right turn, drives 5 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 4 km to the west
 - ☒ B. 3 km to the west
 - ☒ C. 2 km to the east
 - ☒ D. 1 km to the east

- Q.78** Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the line?

- Ans**
- ☒ A. C
 - ☒ B. D
 - ☒ C. B
 - ☒ D. A

- Q.79** 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

All helmets are mats.

All helmets are bottles.

Conclusions:

(I) Some mats are bottles.

(II) All bottles are helmets.

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

Q.80 EFHL is related to AALQ in a certain way based on the English alphabetical order. In the same way, OLXF is related to KGBK. To which of the given options is CWJU related, following the same logic?

- Ans**
- ☐ A. YRTY
 - ☐ B. YGHU
 - ☐ C. YRZN
 - ☒ D. YRNZ

Section : General Awareness and Current Affairs

Q.81 As per the Transparency International report released in February 2025, what was India's rank in the Corruption Perceptions Index (CPI) 2024?

- Ans**
- ☒ A. 96
 - ☐ B. 102
 - ☐ C. 89
 - ☐ D. 93

Q.82 Who became the Chairperson of ISRO in January 2025?

- Ans**
- ☐ A. A Sivathanu Pillai
 - ☒ B. Dr. V Narayanan
 - ☐ C. S Somanath
 - ☐ D. K Radhakrishnan

Q.83 In June 2025, which companies received the technology for the 70-ton Tank Transporter Trailer for MBT Arjun Mk-1A?

- Ans**
- ☒ A. BEML Ltd, Tata International Vehicle Applications, SDR Auto Pvt Ltd, John Galt International
 - ☐ B. Metaltech Motor Bodies Pvt Ltd, Goma Engineering Pvt Ltd, John Galt International
 - ☐ C. Bharat Forge, Dass Hitachi Ltd, John Galt International
 - ☐ D. Bharat Electronics Ltd, Tata Advanced Systems Ltd, John Galt International

Q.84 According to the Sustainable Development Goals National Indicator Framework progress report, 2025, published in June 2025, the number of waste recycling plants in India increased from 829 in 2019–20 to 3,036 in 2024–25. This improvement primarily contributes to which Sustainable Development Goal (SDG)?

- Ans**
- ☐ A. SDG 6
 - ☐ B. SDG 2
 - ☒ C. SDG 12
 - ☐ D. SDG 15

Q.85 Which young swimmer matched Michael Phelps's achievement by setting three individual world records at one meet during the Canadian Trials?

- Ans**
- ☒ A. Summer McIntosh
 - ☐ B. Sydney McLaughlin-Levrone
 - ☐ C. Beatrice Chebet
 - ☐ D. Athing Mu-Nikolayev

Q.86 Which state launched new minority welfare schemes in September 2025, the Revanth Anna ka Sahara-Miskeen la Kosam, focusing on women empowerment and financial assistance?

- Ans**
- ☒ A. Telangana
 - ☐ B. Gujarat
 - ☐ C. Kerala
 - ☐ D. Maharashtra

Q.87 Which of the following international organisations celebrated its 80th anniversary on June 26, 2025, marking the signing of its charter?

- Ans**
- ☐ A. International Monetary Fund (IMF)
 - ☒ B. United Nations
 - ☐ C. World Bank
 - ☐ D. NATO

Q.88 Which of the following institutions launched a ₹5,000 crore green bond as part of its ₹30,000 crore Government Securities (G-Sec) auction in June 2025?

- Ans**
- ☐ A. Exim Bank of India
 - ☐ B. Securities and Exchange Board of India
 - ☒ C. Reserve Bank of India
 - ☐ D. National Bank for Agriculture and Rural Development

Q.89 Who among the following received the Major Dhyan Chand Khel Ratna Award in 2025?

- Ans**
- ☒ A. Manu Bhaker
 - ☐ B. Saina Nehwal
 - ☐ C. Virat Kohli
 - ☐ D. Neeraj Chopra

Q.90 Who won his first major Indian Golf Union title, the IGU Southern India Junior Boys Golf Championship, played at Coimbatore Golf Club from 27 May to 30 May 2025?

- Ans**
- ☐ A. Shiv Kapur
 - ☐ B. Gaganjeet Bhullar
 - ☐ C. Shubhankar Sharma
 - ☒ D. Harjai Milkha Singh

Q.91 Who won the gold in the Men's Singles SL3 at the 2025 Asia Para Badminton Championship?

- Ans**
- ☐ A. Umesh Vikram Kumar
 - ☒ B. Nitesh Kumar
 - ☐ C. Naveen Shivakumar
 - ☐ D. Pramod Bhagat

Q.92 What is the percentage of the Contingent Risk Buffer set by the Reserve Bank of India in May 2025 for FY 2024-25?

- Ans**
- ☐ A. 5.0%
 - ☐ B. 6.5%
 - ☐ C. 8.0%
 - ☒ D. 7.5%

Q.93 In October 2025, the Delhi government in collaboration with the Indian Institute of Technology, Kanpur, implemented which of the following techniques to combat air pollution?

- Ans**
- ☐ A. Using fog cannons to disperse smog particles in polluted areas
 - ☐ B. Launching aerial drones to monitor and neutralise toxic gases
 - ☐ C. Installing large-scale vertical gardens across industrial zones
 - ☒ D. Cloud seeding to induce rainfall and reduce air pollution

Q.94 Which institute partnered with NDMA in 2025 to develop tunnel safety guidelines?

- Ans**
- ☒ A. IIT Delhi
 - ☐ B. IIT Madras
 - ☐ C. IIT Bombay
 - ☐ D. IIT Kharagpur

Q.95 The Ministry of Heavy Industries, Government of India, introduced a programme in July 2025 to give financial support for electric trucks under ____.

- Ans**
- ☐ A. PM E-Mobility Drive
 - ☐ B. PM Electric Vehicle Boost
 - ☒ C. PM E-DRIVE initiative
 - ☐ D. PM Green Transport Initiative

Q.96 What is the duration of the Iran-Russia partnership treaty, signed on 17 January 2025?

- Ans**
- ☒ A. 20 years
 - ☐ B. 25 years
 - ☐ C. 15 years
 - ☐ D. 10 years

Q.97 Under the Ministry of Commerce and Industry (via Startup India), which of the following schemes saw a government allocation of ₹211 crore into the Indian space-tech sector in 2025?

- Ans**
- ☒ A. Fund of Funds for Startups (FFS)
 - ☐ B. Credit Guarantee Scheme for Startups (CGSS)
 - ☐ C. Atmanirbhar Bharat Innovation Fund (ABIF)
 - ☐ D. Startup India Seed Fund Scheme (SISFS)

Q.98 What is the total number of Padma Awards given in 2025?

- Ans**
- ☐ A. 130
 - ☐ B. 153
 - ☒ C. 139
 - ☐ D. 120

Q.99 What has the Supreme Court made mandatory for judicial service applicants in May 2025?

- Ans**
- ☐ A. Five years of teaching
 - ☐ B. Court clerk experience
 - ☒ C. Three years of legal practice
 - ☐ D. Law degree only

Q.100 In November 2025, India conducted the bilateral military exercise 'AJEYA WARRIOR-25' with which of the following countries?

- Ans**
- ☐ A. Russia
 - ☐ B. United States
 - ☐ C. France
 - ☒ D. United Kingdom



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Global Infomerit
Test Date	14/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which energy change is generally associated with decomposition reactions?

- Ans
- ☒ A. No energy change
 - ☒ B. Exothermic energy change
 - ☒ C. Endothermic energy change
 - ☒ D. Reversible energy change

Q.2 Which of the following is NOT true about an object in non-uniform motion?

- Ans
- ☒ A. It has different speeds at different points
 - ☒ B. It moves unequal distances in unequal time intervals
 - ☒ C. Its velocity changes with time
 - ☒ D. The change in velocity is zero over time interval

Q.3 Which of the following statement is correct regarding 'property of Gaseous state'?

- Ans
- ☒ A. In gaseous state, intermolecular attraction and intermolecular distance are very large
 - ☒ B. In gaseous state, intermolecular distance and intermolecular attraction are very low.
 - ☒ C. In gaseous state, intermolecular distance is very large and intermolecular attraction is very low.
 - ☒ D. In gaseous state, intermolecular distance is very low and intermolecular attraction is very large.

Q.4 What is the function of salivary amylase present in human saliva?

- Ans
- ☒ A. It converts simple sugars into starch.
 - ☒ B. It converts starch into simple sugars.
 - ☒ C. It converts amino acids into protein.
 - ☒ D. It converts proteins into amino acids.

Q.5 Which of the following is NOT an application of ultrasound?

- Ans
- ☒ A. Cooking food
 - ☒ B. Cleaning delicate machinery parts
 - ☒ C. Imaging of internal organs
 - ☒ D. Detecting cracks in metal blocks

Q.6 Which of the following nutrients in plants is generally supplied by soil?

- Ans**
- ☐ A. Hydrogen
 - ☐ B. Carbon
 - ☒ C. Boron
 - ☐ D. Oxygen

Q.7 What does the seed contain that is essential for the growth of a new plant?

- Ans**
- ☐ A. Sepal
 - ☐ B. Chlorophyll
 - ☒ C. Embryo
 - ☐ D. Nectar

Q.8 Which property is shown by ethanol?

- Ans**
- ☒ A. It has a sweet smell and is volatile
 - ☐ B. It is basic in nature
 - ☐ C. It forms scum with hard water
 - ☐ D. It is solid at room temperature

Q.9 Which of the following cell organelles do NOT have their own DNA?

- Ans**
- ☐ A. Mitochondria
 - ☐ B. Nucleus
 - ☒ C. Lysosomes
 - ☐ D. Plastids

Q.10 A car starts from rest and accelerates uniformly at 2 m/sec^2 for 5 seconds. What is the velocity at the end of 5 seconds?

- Ans**
- ☐ A. 5 m/sec
 - ☐ B. 20 m/sec
 - ☒ C. 10 m/sec
 - ☐ D. 15 m/sec

Q.11 When Newton placed a second inverted prism after the first one, the emergent beam obtained was:

- Ans**
- ☐ A. only violet light
 - ☐ B. only red light
 - ☐ C. a rainbow of colours
 - ☒ D. white light

Q.12 A metallic conductor obeys Ohm's law at room temperature. When the applied potential difference across it is increased from V to $2V$, and the temperature is kept constant, the current through the conductor:

- Ans**
- ☐ A. Remains unchanged because current depends only on resistance
 - ☐ B. Less than doubles due to heating effects
 - ☐ C. More than doubles due to increased electron drift velocity
 - ☒ D. Doubles because resistance is constant

Q.13 Which of the following allotropes of carbon conducts electricity?

- Ans**
- ☐ A. Fullerene
 - ☒ B. Graphite
 - ☐ C. Diamond
 - ☐ D. Charcoal

Q.14 What happens when we dissolve sugar in water?

- Ans**
- ☒ A. The particles of sugar get into the spaces between particles of water.
 - ☐ B. The particles of sugar and water do not mix.
 - ☐ C. The particles of sugar will float on top of water.
 - ☐ D. A colloidal solution is formed.

Q.15 Which of the following is an example of basic salt?

- Ans**
- ☒ A. Sodium bicarbonate
 - ☐ B. Sodium chloride
 - ☐ C. Ammonium chloride
 - ☐ D. Hydrogen chloride

Q.16 The mechanical energy of a body can be expressed as the sum of ____.

- Ans**
- ☐ A. heat energy and light energy
 - ☐ B. sound energy and light energy
 - ☒ C. potential energy and kinetic energy
 - ☐ D. chemical energy and electrical energy

Q.17 According to Archimedes' principle, what is the magnitude of the upward force (buoyant force)?

- Ans**
- ☐ A. It is equal to the volume of the fluid.
 - ☒ B. It is equal to the weight of the fluid displaced by the body.
 - ☐ C. It is equal to the pressure exerted by the fluid.
 - ☐ D. It is equal to the weight of the immersed body.

Q.18 An object is placed at the centre of curvature of a concave mirror. The image formed is:

- Ans**
- ☐ A. At infinity, highly magnified
 - ☐ B. Between focus and pole, diminished
 - ☐ C. Behind the mirror, virtual
 - ☒ D. At the centre of curvature, same size

Q.19 When we pour acetone (nail polish remover) on our palm, we feel cold because:

- Ans**
- ☐ A. it blocks nerve signals on the skin
 - ☒ B. it evaporates rapidly, absorbing heat from the palm
 - ☐ C. it reacts with water present on the palm
 - ☐ D. it releases cold vapours

Q.20 Which of the following best describes the process of sexual maturation in humans?

- Ans**
- ☐ A. It occurs only in females and stops once menstruation begins
 - ☒ B. It is a gradual process during adolescence involving physical and hormonal changes
 - ☐ C. It begins after adulthood and leads to immediate readiness for parenthood
 - ☐ D. It occurs suddenly and marks the end of body growth

Q.21 The metal which will NOT displace lead from its salt solution is:

- Ans**
- ☐ A. Calcium
 - ☐ B. Magnesium
 - ☒ C. Copper
 - ☐ D. Aluminium

Q.22 Which part of the brain directly controls the movement of voluntary muscles?

- Ans**
- ☒ A. Motor area
 - ☐ B. Sensory area
 - ☐ C. Medulla oblongata
 - ☐ D. Association area

Q.23 Which of the following characteristics is correct about magnetic field lines?

- Ans**
- ☐ A. They intersect each other.
 - ☐ B. They always start and end at the same pole.
 - ☐ C. They are open curves.
 - ☒ D. They always form closed loops.

Q.24 In some reptiles, the sex of the offspring is determined by:

- Ans**
- ☒ A. Temperature at which eggs are incubated
 - ☐ B. Hormonal levels in the mother
 - ☐ C. Presence or absence of a Y chromosome
 - ☐ D. Sex chromosomes

Q.25 Xylem is a complex permanent tissue. Which of the following is correct regarding its composition?

- Ans**
- ☐ A. Companion cells, tracheids and xylem fibres
 - ☐ B. Vessels, xylem collenchyma and xylem fibres
 - ☐ C. Tracheids, sieve cells and phloem parenchyma
 - ☒ D. Tracheids, xylem parenchyma and xylem fibres

Section : Mathematics

Q.26 A train travels 180 km in 3 hours. How long will it take to travel 420 km at the same speed?

- Ans**
- ☐ A. 5 hours
 - ☒ B. 7 hours
 - ☐ C. 6 hours
 - ☐ D. 8 hours

Q.27 What is the third proportional to $16x^2$ and $20xy$?

- Ans**
- ☒ A. $25y^2$
 - ☐ B. $28y^2$
 - ☐ C. $22y^2$
 - ☐ D. $27y^2$

Q.28 Arrange the following schemes in the ascending order of their discounts.

- A. Buy 1 get 5 free
- B. A single discount of 64%
- C. Two successive discounts of 3% and 37%

- Ans**
- ☐ A. C, A, B
 - ☒ B. C, B, A
 - ☐ C. B, A, C
 - ☐ D. A, C, B

Q.29 The average of 12 numbers is 58. The average of the first 5 numbers is 55, and the average of the next 4 numbers is 62. If the 10th number is 10 less than the 11th number and is 5 more than the 12th number, then the average of the 11th and 10th numbers is:

- Ans**
- ☐ A. 60
 - ☐ B. 61.5
 - ☒ C. 61
 - ☐ D. 60.5

Q.30 The simplified value of $4 \times (17 \times (3^2)) \div 12 + 26 - 41$ is:

- Ans**
- ☐ A. 30
 - ☐ B. 44
 - ☒ C. 36
 - ☐ D. 32

Q.31 The income of Raman is ₹34,000. He saves 5.5% of his income. If his income increases by 17% and expenditure increases by 50%, then his savings will:

- Ans**
- ☒ A. decrease by ₹10,285
 - ☐ B. increase by ₹10,284
 - ☐ C. increase by ₹10,283
 - ☐ D. decrease by ₹10,288

Q.32 Anmol and Ayushi together invested ₹41,400 in a business. At the end of the year, out of a total profit of ₹5,000, Anmol's share was ₹2,300. How much was Anmol's investment?

- Ans**
- ☐ A. ₹17,095
 - ☒ B. ₹19,044
 - ☐ C. ₹18,630
 - ☐ D. ₹20,105

Q.33 The diagonals of a rhombus are 24 cm and 7 cm. The perimeter of the rhombus is:

- Ans**
- ☐ A. 48 cm
 - ☒ B. 50 cm
 - ☐ C. 52 cm
 - ☐ D. 46 cm

Q.34 5 men can complete a piece of work in 16 days while 9 women can do it in 8 days. In how many days can 3 women and 2 men complete it?

- Ans**
- ☒ A. 15 days
 - ☐ B. 24 days
 - ☐ C. 22 days
 - ☐ D. 13 days

Q.35 Simplify: $\frac{9x^2 - 4y^2}{9x - 2y} \times \frac{3x}{9x + 2y}$

- Ans**
- ☒ A. $3x$
 - ☐ B. $\frac{x}{3}$
 - ☐ C. x
 - ☐ D. $\frac{x}{9}$

Q.36 In an election between two candidates, 2% of the voters did not cast their votes. Out of the polled votes, 5% were declared invalid. One candidate secured 65% of the valid votes. If the total number of voters was 25,20,000, how many valid votes did the losing candidate receive?

- Ans**
- ☒ A. 8,24,112
 - ☒ B. 8,22,114
 - ☒ C. 8,21,142
 - ☒ D. 8,21,124

Q.37 Two trains, 165 m and 195 m in length, are running in opposite directions. The first runs at the rate of 83 km/hr and the second at the rate of 79 km/hr. How long will they take to cross each other?

- Ans**
- ☒ A. 15 seconds
 - ☒ B. 5 seconds
 - ☒ C. 8 seconds
 - ☒ D. 13 seconds

Q.38 The average age of 40 students of a class is 18 years. If the age of the teacher is also included, the average age of the whole group becomes 19 years. The age (in years) of the teacher is:

- Ans**
- ☒ A. 58
 - ☒ B. 56
 - ☒ C. 59
 - ☒ D. 62

Q.39 The amount on a sum of ₹6000 at 5% per annum compound interest, compounded annually, in 2 years, will be:

- Ans**
- ☒ A. ₹6615
 - ☒ B. ₹5722
 - ☒ C. ₹7047
 - ☒ D. ₹6385

Q.40 From the top of a 45 m high building, the angle of depression of a car (Take $\sqrt{3} = 1.732$ and round off the answer to two decimal places.)



- Ans**
- ☒ A. 81.94 m
 - ☒ B. 77.94 m
 - ☒ C. 89.94 m
 - ☒ D. 71.94 m

Q.41 Find the value of the expression $\frac{0.079^2 + 0.25^2 + 3.37^2}{0.0079^2 + 0.025^2 + 0.337^2}$.

- Ans**
- ☒ A. 100
 - ☒ B. 3.699
 - ☒ C. 0.3699
 - ☒ D. 10000

Q.42 The marked price of a sofa is ₹331, which is 41% above the cost price. If the profit percent is 22%, find the discount percentage. (Rounded off to two decimal places)

- Ans**
- ☒ A. 12.02%
 - ☒ B. 13.48%
 - ☒ C. 11.23%
 - ☒ D. 16.1%

Q.43 If the three digit number $7n4$ is divisible by 6, then find the least possible value for n .

- Ans
- ☐ A. 0
 - ☐ B. 3
 - ☐ C. 2
 - ☒ D. 1

Q.44 B's age is 5 times the difference in ages of C and D. D's age is 10 years then the minimum age of D is _____ years.

- Ans
- ☐ A. $\frac{50}{3}$
 - ☐ B. 30
 - ☒ C. $\frac{80}{3}$
 - ☐ D. 35

Q.45 $\frac{1}{20}$ is what percentage of $\frac{2}{100}$?

- Ans
- ☐ A. 265%
 - ☐ B. 500%
 - ☒ C. 250%
 - ☐ D. 260%

Q.46 The length, breadth and height of a cuboid are in the ratio of 8 : 5 : 3. area of the cuboid.

- Ans
- ☒ A. 1,422 m²
 - ☐ B. 1,622 m²
 - ☐ C. 1,388 m²
 - ☐ D. 1,250 m²

Q.47 An item is sold to C by B, and then to D by C. Both B and C earn an equal profit of 12%, and the selling price to D is ₹313.60. What is the cost price (in ₹) of the item to B?

- Ans
- ☐ A. 280
 - ☒ B. 250
 - ☐ C. 240
 - ☐ D. 200

Q.48 A, B and C can do a piece of work in 2, 20 and 20 days respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans
- ☒ A. 5
 - ☐ B. 15
 - ☐ C. 10
 - ☐ D. 6

Q.49 A positive number when increased by 14, equals 176 times its reciprocal. What is the number?

- Ans
- ☐ A. 12
 - ☐ B. 14
 - ☒ C. 8
 - ☐ D. 22

Q.50 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 42^\circ$. E is a point on BC such that $\angle CAE = 24^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ A. 59°
 - ☐ B. 58°
 - ☐ C. 67°
 - ☒ D. 72°

Section : General Intelligence and Reasoning

Q.51 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$36 \times 6 - 2 \div 13 + 9 = ?$$

- Ans**
- ☒ A. 23
 - ☐ B. 25
 - ☐ C. 22
 - ☐ D. 21

Q.52 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

KEPT - ETPK - TPEK
SAIL - ALIS - LIAS

- Ans**
- ☐ A. HOPE - HPOE - EPOH
 - ☒ B. MOPS - OSPM - SPOM
 - ☐ C. PACK - APCK - KACP
 - ☐ D. TURN - UTRN - NURT

Q.53 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 its 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.)

(15, 90, 6)
(13, 65, 5)

- Ans**
- ☒ A. (16, 32, 2)
 - ☐ B. (11, 55, 6)
 - ☐ C. (14, 46, 4)
 - ☐ D. (17, 24, 2)

Q.54 In a certain code language, 'the birds sings' is coded as 'ly gn ws' and 'birds have beak' is coded as 'ie ly nt'. How is 'birds' coded in that language?

- Ans**
- ☐ A. ws
 - ☐ B. nt
 - ☐ C. gn
 - ☒ D. ly

Q.55 Which of the given letter-clusters will replace the question mark (?) in the following series to make it logically complete?

PCR45, MGO41, JKL37, ?

- Ans**
- ☒ A. GNJ33
 - ☒ B. GOI33
 - ☒ C. HOI32
 - ☒ D. HNJ32

Q.56 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 letter-cluster pair 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. QT-XS
 - ☒ B. EH-LG
 - ☒ C. MP-TO
 - ☒ D. IL-PJ

Q.57 What should come in place of the question mark (?) in the given series?

0, -2, -3, 8, 95, ?

- Ans**
- ☒ A. 380
 - ☒ B. 684
 - ☒ C. 140
 - ☒ D. 810

Q.58 In a certain code language, 'music is life' is coded as 'cd jk rs' and 'life is precious' is coded as 'ap cd jk'. How is 'music' coded in that language?

- Ans**
- ☒ A. cd
 - ☒ B. ap
 - ☒ C. rs
 - ☒ D. jk

Q.59 Mr. Akai starts from Point A and drives 10 km towards east. He then takes a left turn, drives 11 km, turns left and drives 19 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 9 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. 12 km to the south
 - ☒ B. 10 km to the north
 - ☒ C. 12 km to the east
 - ☒ D. 10 km to the south

Q.60 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RV23, QU32, PT41, OS50, ?

- Ans**
- ☒ A. NS59
 - ☒ B. NR58
 - ☒ C. NS58
 - ☒ D. NR59

Q.61 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$172 \div 4 + 183 \times 3 - 164 = ?$$

Ans ☒ A. 791

☐ B. 652

☐ C. 739

☐ D. 681

Q.62 Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. Only five boxes are kept below X. Only three boxes are kept between F and X. V is kept at one of the positions below F. Only E is kept between X and W. D is kept at one of the positions above X. How many boxes are kept between V and D?

Ans ☐ A. Two

☐ B. Four

☐ C. Three

☒ D. Five

Q.63 Eight people – A, B, C, D, E, F, G and H are sitting around a circular table facing the centre. Only one person sits between A and B when counted from the right of A. E sits to the immediate left of A. Only three people sit between E and C when counted from the left of E. F sits third to the right of C. D sits to the immediate right of H. Who sits second to the right of G?

Ans ☐ A. E

☒ B. C

☐ C. F

☐ D. H

Q.64 Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 3 5 2 4 7 6 8 5 3 4 2 1 9 6 2 (Right)

How many such prime numbers are there which are immediately followed by an odd number?

Ans ☒ A. Three

☐ B. None

☐ C. Two

☐ D. One

Q.65 Tarun starts from Point Y and drives 36 km towards west. He then takes a left turn, drives 83 km, turns right and drives 68 km. He then takes a right turn and drives 55 km. He takes a right turn, drives 41 km. He then turns left, drives 28 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(Note: All turns are 90° turns only unless specified.)

Ans ☐ A. 65 km towards west

☐ B. 66 km towards east

☒ C. 63 km towards east

☐ D. 61 km towards west

Q.66 Pavan ranked 13th from the top and 3rd from the bottom in his class. How many students are there in the class?

- Ans ☐ A. 17
☒ B. 15
☐ C. 13
☐ D. 19

Q.67 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 3267451, what will be the difference between the highest and lowest digits in the new number thus formed?

- Ans ☐ A. 6
☐ B. 7
☒ C. 9
☐ D. 8

Q.68 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ 4 6 8 * \$ \$ £ % 4 6 7 1 5 * 4 * 4 4 2 \$ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans ☐ A. 1
☐ B. 4
☐ C. 3
☒ D. 2

Q.69 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 conclusion(s) logically follow(s) from the statements.

Statements:

All pouches are trunks.

All bags are trunks.

Conclusions:

(I) Some pouches are bags.

(II) Some trunks are bags.

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

Q.70 What should come in place of the question mark (?) in the given series?
264 239 216 195 176 ?

- Ans ☐ A. 155
☐ B. 160
☒ C. 159
☐ D. 158

Q.71 In a certain code language,
A + B means 'A is the sister of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B',
A # B means 'A is the father of B'.

How is O related to V if 'O @ P # T + G - V'?

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

Q.72 This question is based on the five, three-digit numbers given below.

(Left) 604 895 469 742 307 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant, if the third digit of the highest number is added to the second digit of the lowest number?

- Ans** ☐ A. 16
☒ B. 5
☐ C. 9
☐ D. 12

Q.73 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 2 7 4 1 9 3 2 7 6 4 5 8 2 9 7 2 8 5 1 6 8 4 2 9 5 2 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans** ☐ A. One
☐ B. Two
☐ C. More than three
☒ D. Three

Q.74 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table.

Only four people sit between B and A when counted from the right of B. B sits third to the left of X. W sits third to the left of Y. C is an immediate neighbour of both A and X. How many people sit between D and C when counted from the right of D?

- Ans** ☒ A. Two
☐ B. One
☐ C. Three
☐ D. Four

Q.75 FGNE is related to KDSB in a certain way based on the English alphabetical order. In the same way, PAXY is related to UXCW. To which of the following is ZUHS related, following the same logic?

- Ans** ☒ A. ERMP
☐ B. DSNQ
☐ C. FQLO
☐ D. ESLQ

Q.76 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. PLO
 - ☐ B. WSV
 - ☐ C. UQT
 - ☒ D. IFH

Q.77 UPNF is related to YLPD in a certain way based on the English alphabetical order. In the same way, CHRB is related to GDTZ. To which of the following is KZVX related to, following the same logic?

- Ans
- ☐ A. PWXU
 - ☐ B. NUYW
 - ☒ C. OVXV
 - ☐ D. NVVV

Q.78 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

No father is a mother.

No mother is a son.

Conclusions:

(I) All mothers are fathers.

(II) No father is a son.

- Ans
- ☐ A. Both follow
 - ☒ B. Neither follows
 - ☐ C. Only II follows
 - ☐ D. Only I follows

Q.79 What should come in place of the question mark (?) in the given series?

131 132 135 140 147 ?

- Ans
- ☐ A. 157
 - ☒ B. 156
 - ☐ C. 154
 - ☐ D. 155

Q.80 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table. Only two people sit between X and W when counted from the right of X. Only two people sit between W and M when counted from the right of W. Only three people sit between X and N when counted from the right of X. P sits to the immediate left of Y. Who sits third to the left of O?

- Ans
- ☐ A. M
 - ☐ B. P
 - ☐ C. X
 - ☒ D. Y

- Q.81** Which of the following schemes was launched by the Gujarat government in May 2025 that sends real-time SMS alerts to citizens about their police case progress?
- Ans** ☐ A. e-Alert Gujarat
☐ B. FIR-Alert System
☐ C. Citizen Police Update
☒ D. I-Pragati
- Q.82** What is the estimated fiscal deficit for the financial year 2025–26 as per Union Budget, 2025–26?
- Ans** ☐ A. 6.2% of GDP
☐ B. 3.9% of GDP
☐ C. 5.1% of GDP
☒ D. 4.4% of GDP
- Q.83** In 2025, Aman Sehrawat was honoured with the Arjuna Award; what sport does he compete in?
- Ans** ☐ A. Shooting
☐ B. Weightlifting
☐ C. Boxing
☒ D. Wrestling
- Q.84** Which of the following was inducted in the UNESCO World Network of Biosphere Reserves in September 2025?
- Ans** ☐ A. Kachchh Biosphere Reserve
☐ B. Achanakmar–Amarkantak Biosphere Reserve
☐ C. Pachmarhi Biosphere Reserve
☒ D. Cold Desert Biosphere Reserve
- Q.85** What was the theme of the 17th Civil Services Day?
- Ans** ☐ A. Economic Reforms for Rural Areas
☒ B. Holistic Development of India
☐ C. Global Governance Integration
☐ D. Digital Governance for Urban Development
- Q.86** Which award did President Murmu present to the Indian Bureau of Mines (IBM) in 2025?
- Ans** ☐ A. Bharat Ratna
☐ B. National Sports Awards
☒ C. E-Governance Award
☐ D. Sahitya Akademi Award
- Q.87** Who earned the 'Game Changer' award at the Women's Football Awards 2025?
- Ans** ☐ A. Keira Walsh
☒ B. Anita Asante
☐ C. Viviane Miedema
☐ D. Bethany England
- Q.88** Which of the following is the most polluted city in India as per the IQ Air Report 2024-25?
- Ans** ☒ A. Bhopal
☐ B. Delhi
☐ C. Gurugram
☐ D. Faridabad

Q.89 Which Chinese city hosted the 2025 Asian Winter Games from 7 to 14 February?

- Ans**
- ☒ A. Harbin
 - ☐ B. Guangzhou
 - ☐ C. Beijing
 - ☐ D. Shanghai

Q.90 Which Indian footballer was honoured as the Promising Men's Player of the Year at the AIFF Awards 2025?

- Ans**
- ☐ A. Subhasish Bose
 - ☒ B. Brison Fernandes
 - ☐ C. Vishal Kaith
 - ☐ D. Khalid Jamil

Q.91 Which pair won the gold in the Men's Doubles SL3-SL4 at the 2025 Asia Para Badminton Championship?

- Ans**
- ☒ A. Nitesh Kumar and Sukant Kadam
 - ☐ B. Nitesh Kumar and Pramod Bhagat
 - ☐ C. Pramod Bhagat and Sukant Kadam
 - ☐ D. Sukant Kadam and Umesh Vikram Kumar

Q.92 India has banned jute imports from which country through all land and sea ports except Nhava Sheva in June 2025?

- Ans**
- ☐ A. China
 - ☐ B. Nepal
 - ☒ C. Bangladesh
 - ☐ D. Pakistan

Q.93 The Indian Prime Minister introduced a significant programme in the farming sector in October 2025 with a fund of ₹24,000 crore, named ____.

- Ans**
- ☒ A. PM Dhan Dhaanya Krishi Yojana
 - ☐ B. PM Krishi Sinchai Yojana
 - ☐ C. PM Kisan Samman Yojana
 - ☐ D. PM Fasal Bima Yojana

Q.94 The Green Hydrogen Certification Scheme launched in 2025 is part of which key national programme?

- Ans**
- ☐ A. Green India Initiative
 - ☒ B. National Green Hydrogen Mission
 - ☐ C. National Solar Energy Mission
 - ☐ D. India Clean Energy Movement

Q.95 What is the name of the affordable insurance scheme launched by India Post Payments Bank (pilot launch was done in July 2023) for unorganised sector workers on 1 May 2025?

- Ans**
- ☒ A. Antyodaya Shramik Suraksha Yojana
 - ☐ B. Shramik Suraksha Yojana
 - ☐ C. Suraksha Sathi Yojana
 - ☐ D. Ayushman Bima Shramik Yojana

Q.96 What is the rank of India in the Hurun Global Unicorn Index 2025, published by the Hurun Research Institute, which marks a significant milestone in the global startup ecosystem?

- Ans**
- ☐ A. 8th
 - ☐ B. 2nd
 - ☒ C. 3rd
 - ☐ D. 10th

Q.97 Which company unveiled Dragon Copilot, AI voice assistant for healthcare in March 2025?

- Ans**
- ☒ A. Microsoft
 - ☐ B. Infosys
 - ☐ C. SpaceX
 - ☐ D. Apple

Q.98 As notified on 20 June 2025, the Defence Research and Development Organisation (DRDO) will soon begin manufacturing new variants of the Pinaka rocket system with extended ranges of ____.

- Ans**
- ☐ A. 90 km and 225 km
 - ☒ B. 120 km and 300 km
 - ☐ C. 100 km and 260 km
 - ☐ D. 170 km and 400 km

Q.99 What is the threshold amount for complaints to be auto-converted into an e-Zero FIR?

- Ans**
- ☒ A. ₹10 lakh
 - ☐ B. ₹5 lakh
 - ☐ C. ₹1 lakh
 - ☐ D. ₹50 lakh

Q.100 Who among the following was re-appointed as the Prime Minister of Portugal in 2025?

- Ans**
- ☐ A. Antonio Costa
 - ☒ B. Luis Montenegro
 - ☐ C. Pedro Nuno Santos
 - ☐ D. Andre Ventura



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सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Jaipur Engineering College
Test Date	14/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which element has mass number 27 and 14 neutrons present in it?

- Ans
- ☒ A. Magnesium
 - ☒ B. Sodium
 - ☒ C. Chlorine
 - ☒ D. Aluminium

Q.2 Which of the following statements is correct about the concept of 'molecules of compounds'?

- Ans
- ☒ A. A molecule of a compound is formed by the combination of atoms of different elements.
 - ☒ B. A molecule of a compound is formed by the separation of atoms of the same element.
 - ☒ C. A molecule of a compound is formed by the separation of atoms of different elements.
 - ☒ D. A molecule of a compound is formed by the combination of atoms of the same element.

Q.3 Which of the following is NOT correct?

- Ans
- ☒ A. Multiple reflections can cause reverberation
 - ☒ B. Multiple reflections change the pitch of sound
 - ☒ C. Multiple reflections improve sound distribution in large halls
 - ☒ D. Multiple reflections are undesirable in small rooms

Q.4 The energy possessed by a body due to its position or configuration is called _____.

- Ans
- ☒ A. Thermal energy
 - ☒ B. Kinetic energy
 - ☒ C. Potential energy
 - ☒ D. Chemical energy

Q.5 Which of the following is NOT an advantage of short-duration crop varieties?

- Ans
- ☒ A. Possibility of multiple cropping
 - ☒ B. Reduced production cost
 - ☒ C. Quick harvesting
 - ☒ D. Higher chances of crop damage

- Q.6** Which of the following elements is classified exclusively as a non-metal under standard conditions?
- Ans** ☒ A. Zinc
☒ B. Hydrogen
☒ C. Mercury
☒ D. Silver
- Q.7** If both current and resistance are halved, the power reduces to ____.
- Ans** ☒ A. one-fourth of the initial value
☒ B. one-third of the initial value
☒ C. half of the initial value
☒ D. one-eighth of the initial value
- Q.8** Which of the following solutions will contain the highest concentration of H^+ ions?
- Ans** ☒ A. Solution with pH 10
☒ B. Solution with pH 13
☒ C. Solution with pH 3
☒ D. Solution with pH 7
- Q.9** In a starch test using a variegated leaf, what is the purpose of adding iodine solution at the end?
- Ans** ☒ A. To stain the starch present in the leaf
☒ B. To identify the areas without chloroplasts
☒ C. To dissolve starch
☒ D. To remove chlorophyll from green areas
- Q.10** Covalent bonds are formed by:
- Ans** ☒ A. Sharing of electrons
☒ B. Loss of protons
☒ C. Gain of neutrons
☒ D. Transfer of electrons
- Q.11** Which of the following compounds is a saturated hydrocarbon?
- Ans** ☒ A. Propyne
☒ B. Benzene
☒ C. Propene
☒ D. Cyclohexane
- Q.12** Which mirror is used by a dentist to see the inside of a patient's mouth?
- Ans** ☒ A. Concave mirror
☒ B. Convex mirror
☒ C. Planoconvex mirror
☒ D. Plane mirror
- Q.13** How long does an unfertilised egg typically survive in the female reproductive tract?
- Ans** ☒ A. 10 hours
☒ B. 24 hours
☒ C. 72 hours
☒ D. 60 hours
- Q.14** A particle moves in a circle of radius 1.5 m with angular velocity 3 rad/s. What will the ratio of its linear velocity to angular velocity be?
- Ans** ☒ A. 1 : 2
☒ B. 3 : 2
☒ C. 2 : 1
☒ D. 2 : 3

Q.15 What is associated with a metallic wire carrying an electric current?

- Ans**
- ☐ A. No physical effect
 - ☒ B. A magnetic field around it
 - ☐ C. Only heat
 - ☐ D. Only electric potential

Q.16 Read the following statements carefully and select the correct option.

Assertion (A): In the reaction of copper with oxygen, oxygen acts as the reducing agent.
Reason (R): Oxygen adds to copper forming copper oxide.

- Ans**
- ☐ A. A is true, but R is false.
 - ☐ B. Both A and R are true, and R is the correct explanation of A.
 - ☐ C. Both A and R are true, and R is not the correct explanation of A.
 - ☒ D. A is false, but R is true.

Q.17 Which feature of Spirogyra allows fragmentation to be successful?

- Ans**
- ☐ A. Presence of seeds
 - ☐ B. Single-celled structure
 - ☒ C. Simple filamentous body
 - ☐ D. Complex tissues

Q.18 An object floats on water if _____.

- Ans**
- ☐ A. Its density is greater than water
 - ☐ B. Its volume is very small
 - ☐ C. Its weight is zero
 - ☒ D. Its density is less than water

Q.19 Why is a transportation system essential for excretion in multicellular organisms?

- Ans**
- ☐ A. To produce oxygen in cells
 - ☐ B. To circulate digestive enzymes
 - ☐ C. To help with reproduction
 - ☒ D. To move waste products to the organs that remove them

Q.20 Which of the following is a crop variety improvement method by introducing a gene that would provide the desired characteristics?

- Ans**
- ☐ A. Grafting
 - ☐ B. Budding
 - ☐ C. Natural vegetative reproduction
 - ☒ D. Genetically modified crops

Q.21 Which compound is used to prepare bleaching powder?

- Ans**
- ☒ A. Calcium Hydroxide
 - ☐ B. Calcium Chloride
 - ☐ C. Sodium Carbonate
 - ☐ D. Ammonium Hydroxide

Q. A book is at rest on a table. Which of the following statements corre

Newton's Third Law?

2

A ☒ A.

The normal force exerted by the table on the book and the gravitational force exerted by the Earth on the book are an action – reaction pair.

☒ B. The force of the book on the table and the normal force of the table on the book are not a balanced pair of forces.

☒ C. The gravitational force exerted by the Earth on the book and the normal force exerted by the table on the book are an action – reaction pair.

☒ D. The gravitational force exerted by the Earth on the book and by the book on the Earth are an action – reaction pair.

Q.23 Which of the following organs is a part of the human female reproductive system?

Ans ☒ A. Vas Deferens

☒ B. Uterus

☒ C. Prostate Gland

☒ D. Testis

Q.24 Why does the growth of an onion root stop after its tip is cut?

Ans ☒ A. The meristematic cells lose their vacuoles.

☒ B. The intercalary meristem starts working.

☒ C. The lateral meristem gets damaged.

☒ D. The apical meristem that produces new cells is removed.

Q.25 Which of the following statements about the centre of curvature of a spherical mirror is NOT true?

Ans ☒ A. For a concave mirror, it is located behind the mirror.

☒ B. For a convex mirror, it lies behind the mirror.

☒ C. It lies outside the reflecting surface of the mirror.

☒ D. It is not a part of the mirror itself.

Section : Mathematics

Q.26 At present, Amar is 5 years younger than Ravi. After four years from now, Ravi will be twice as old as Amar. Find Amar's present age (in years).

Ans ☒ A. 6

☒ B. 2

☒ C. 4

☒ D. 1

Q.27 The average age of 51 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

Ans ☒ A. 70

☒ B. 74

☒ C. 71

☒ D. 73

Q.28 8 men and 3 women can complete a piece of work in 15 days, and 14 men and 19 women can complete the same work in 5 days. The work of how many women is equivalent to that of one man?

- Ans**
- ☐ A. 4
 - ☒ B. 1
 - ☐ C. 2
 - ☐ D. 3

Q.29 Consider a cube of edge 5 cm and a cuboid with dimensions $7 \times 4 \times 2$ cm. Which of them has the larger volume?

- Ans**
- ☐ A. Cannot be determined
 - ☐ B. Both occupy equal space
 - ☐ C. Only cuboid
 - ☒ D. Only cube

Q.30 A certain sum of money amounts to ₹12,000 in 3 years and ₹16,000 in 5 years on simple interest. Find the principal.

- Ans**
- ☐ A. ₹5,500
 - ☒ B. ₹6,000
 - ☐ C. ₹5,200
 - ☐ D. ₹6,200

Q.31 A train overtakes two people walking along a railway track. The first person walks at 7.2 km/hr, and the second person walks at 14.4 km/hr. The train takes 29.9 seconds to pass the first person and 43.7 seconds to pass the second person. What is the speed of the train if both are walking in the same direction as the train?

- Ans**
- ☐ A. 27 km/hr
 - ☐ B. 38 km/hr
 - ☐ C. 36 km/hr
 - ☒ D. 30 km/hr

Q.32 An Uber cab covers a distance of 640 km in 80 hours. What is its speed in km/hr?

- Ans**
- ☒ A. 8
 - ☐ B. 3
 - ☐ C. 16
 - ☐ D. 12

Q.33 A ladder is leaning against a wall such that it makes a 45° angle with the ground. If the foot of the ladder is 5 m away from the wall, what is the height of the point (in m) where the ladder touches the wall?

- Ans**
- ☐ A. $5\sqrt{3}$ m
 - ☒ B. 5 m
 - ☐ C. $\frac{5}{\sqrt{3}}$ m
 - ☐ D. 10 m

Q.34 Meera purchased 23 bracelets at ₹160 each. At what rate per bracelet must she sell them to earn a 15% profit?

- Ans**
- ☐ A. ₹198
 - ☒ B. ₹184
 - ☐ C. ₹186
 - ☐ D. ₹192

Q.35 In an election with three candidates—Ram, Mohan, and Sohan—10% of the total votes cast were invalid. Sohan received 40% of the valid votes. If Ram got 2,000 more valid votes than Mohan and the total number of votes cast was 10,000, what is the remainder when Ram's votes are divided by Mohan's votes?

- Ans** ☐ A. 320
☐ B. 490
☐ C. 400
☒ D. 300

Q.36 A rectangle's length is three times its width. If its perimeter is 160 cm, then its width (in cm) is:

- Ans** ☐ A. 15
☐ B. 22
☐ C. 18
☒ D. 20

Q.37 If the mode of the given data is 22.75, find the median. (Round off to two decimal places)

Class Interval	0-7	7-14	14-21	21-28	28-35	35-42
Frequency	1	7	9	11	X	3

- Ans** ☐ A. 32.25
☐ B. 24.25
☐ C. 36.25
☒ D. 21.64

Q.38 Simplify the following expression.

$$(8 \times 8 - 8 + 4) \div 10 + (4 \times 4 + 4 + 4 \div 4) \times 3 + 2 \text{ of } 26 \div 4$$

- Ans** ☐ A. 69
☐ B. 89
☐ C. 72
☒ D. 82

Q.39 A dealer purchased a laptop for ₹99,000. He allows a discount of 37% on its marked price and still gains 40%. Find the marked price of the laptop.

- Ans** ☐ A. ₹2,19,878
☒ B. ₹2,20,000
☐ C. ₹2,19,903
☐ D. ₹2,20,172

Q.40 The length, breadth and height of a room are in the ratio 3 : 2 : 1. If the breadth and height are each reduced to half their original values while the length is doubled, find the percentage change (rounded off to two decimal places) in the total surface area of the room.

- Ans** ☐ A. Decrease by 13.46%
☒ B. Decrease by 13.64%
☐ C. Increase by 13.64%
☐ D. Increase by 13.46%

Q.41 The cost price of the box of sharpener is ₹1,150. The shopkeeper gave 12% discount on the cost price. What is the selling price (in ₹)?

- Ans** ☒ A. 1,012
☐ B. 1,095
☐ C. 1,074
☐ D. 955

Q.42 If the exterior angles obtained on producing the base YZ of a triangle XYZ in both ways are 110° and 115° , then the measure of $\angle X$ is:

- Ans**
- ☐ A. three fourth of a right angle
 - ☐ B. one fourth of a right angle
 - ☒ C. one fourth of a straight angle
 - ☐ D. equal to right angle

Q.43 Prakhar and Riya together invested ₹31,600 in a business. At the end of the year, out of a total profit of ₹7,900, Prakhar's share was ₹1,400. What was the investment of Prakhar?

- Ans**
- ☐ A. ₹6,500
 - ☐ B. ₹4,600
 - ☐ C. ₹4,200
 - ☒ D. ₹5,600

Q.44 The expression $\frac{8.73 \times 8.73 \times 8.73 + 4.27 \times 4.27 \times 4.27}{8.73 \times 8.73 - 4.27 \times 8.73 + 4.27 \times 4.27}$ is equal to:

- Ans**
- ☐ A. 12
 - ☐ B. 11
 - ☒ C. 13
 - ☐ D. 10

Q.45 Find the greatest possible length which can be used to measure exactly the lengths 42 m, 63 m and 140 m.

- Ans**
- ☐ A. 32 m
 - ☐ B. 22 m
 - ☐ C. 5 m
 - ☒ D. 7 m

Q.46 If the third proportional of 4 and 24 is x, then what is the value of x?

- Ans**
- ☐ A. 141
 - ☐ B. 146
 - ☒ C. 144
 - ☐ D. 142

Q.47 What must be the total percentage change in the volume of a cuboid, if its length and breadth are decreased by 10% and 20% respectively, while its height is increased by 35%?

- Ans**
- ☒ A. 2.8% decrease in volume
 - ☐ B. 197.2% increase in volume
 - ☐ C. 10.5% decrease in volume
 - ☐ D. 4.68% increase in volume

Q.48 If 20% of a number is added to 90, then the result is the same number. 60% of the same number is:

- Ans**
- ☐ A. 77.5
 - ☐ B. 87.5
 - ☐ C. 97.5
 - ☒ D. 67.5

Q.49 Simplify $(5x - 4)^2 - (5x + 4)^2$.

- Ans**
- ☐ A. $50x^2 + 32$
 - ☒ B. $-80x$
 - ☐ C. $25x^2 - 4$
 - ☐ D. $-40x$

Q.50 A, B and C can complete a piece of work in 3, 6 and 2 days, respectively. How long (in days) will they take to complete thrice the same work, working together?

- Ans** ☒ A. 3
☐ B. 9
☐ C. 6
☐ D. 4

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'BITE' is coded as '3712' and 'TIDE' is coded as '1207'. What is the code for 'D' in that language?

- Ans** ☐ A. 7
☐ B. 2
☐ C. 3
☒ D. 0

Q.52 Suraj starts from Point A and travels 8 km to the north. He then takes a right turn and travels 9 km, takes another right turn and travels 10 km, then takes a left turn and travels 5 km. Finally, he takes a left turn and travels 2 km to reach Point B. How far (shortest distance) and in which direction must he travel to return to Point A? (All turns are 90° turns only unless specified.)

- Ans** ☐ A. 1 km towards the east
☐ B. 11 km towards the west
☐ C. 6 km towards the south
☒ D. 14 km towards the west

Q.53 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 7 7 8 5 4 1 7 5 1 9 4 5 8 1 1 4 5 1 2 8 6 9 7 4 2 6 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 6
☐ B. 7
☒ C. 5
☐ D. 4

Q.54 XVCY is related to DBEI in a certain way based on the English alphabetical order. In the same way, PNQU is related to VTWA. To which of the given options is BZCG related, following the same logic?

- Ans** ☐ A. HGHO
☒ B. HFIM
☐ C. HFHM
☐ D. HEHM

Q.55 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GJD24 HKE33 ILF42 JMG51 ?

- Ans** ☐ A. KNG61
☐ B. KNG60
☐ C. KNH61
☒ D. KNH60

- Q.56** 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 is the letter-cluster that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ A. TSW
☒ B. VVY
☒ C. DCG
☒ D. LKO

- Q.57** 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:

All bins are cans.

All plastics are cans.

Conclusions:

(I): Some bins are plastics.

(II): Some cans are plastics.

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.58** BGJO is related to HIPQ in a certain way based on the English alphabetical order. In the same way, ZOHW is related to FQNY. To which of the given options is RUZC related, following the same logic?

Ans ☒ A. XWFE
☒ B. XWQA
☒ C. XWRT
☒ D. XWIO

- Q.59** Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KIJ-NLM

YWX-BZA

Ans ☒ A. IGH-LJK
☒ B. IFF-LJK
☒ C. IFF-KIJ
☒ D. IGH-KJJ

- Q.60** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 9 1 8 4 2 5 6 3 8 7 1 9 (Right)

How many odd numbers are there which are immediately followed by even numbers?

Ans ☒ A. Two
☒ B. Three
☒ C. One
☒ D. More than three

Q.61 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 letter-cluster pair 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. CY – KR
 - ☒ B. QM – YF
 - ☒ C. HD – PW
 - ☒ D. BX – IQ

Q.62 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
OSJ MQH KOF IMD ?

- Ans**
- ☒ A. GKB
 - ☒ B. GLA
 - ☒ C. GLB
 - ☒ D. GKA

Q.63 Town W is to the south of Town X. Town Y is to the east of Town W. Town Z is to the north of Town Y. Town A is to the west of Town Z. Town X is to the north-east of Town A. What is the position of Town W with respect to Town A?

- Ans**
- ☒ A. Northwest
 - ☒ B. Northeast
 - ☒ C. Southwest
 - ☒ D. Southeast

Q.64 Five people, A, B, C, D and E are sitting in a row, facing north. D sits at the extreme left end of the line. E sits third to the right of A. B sits to the immediate right of A. How many people sit(s) between D and E?

- Ans**
- ☒ A. 3
 - ☒ B. 0
 - ☒ C. 1
 - ☒ D. 2

Q.65 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 conclusion(s) logically follow(s) from the statements.

Statements:

Some Reds are Emeralds.

No Emeralds are Magentas.

All Magentas are Greens.

Conclusion (I): Some Magentas are Emeralds

Conclusion (II): Some Emeralds are Greens

- 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.66 What should come in place of the question mark (?) in the given series?
101 105 114 130 155 ?

- Ans**
- ☒ A. 191
 - ☒ B. 201
 - ☒ C. 188
 - ☒ D. 193

Q.67 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$253 - 2 \div 413 + 1313 \times 13 = ?$$

- Ans**
- ☒ A. 834
 - ☒ B. 818
 - ☒ C. 828
 - ☒ D. 838

Q.68 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits third to the left of D. A sits second to the left of G. D is the immediate neighbour of both C and A. E is not an immediate neighbour of B. How many people sit between E and F when counted from the right of E?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. One

Q.69 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O @ P - T # G + V'?

- Ans**
- ☒ A. Husband
 - ☒ B. Son
 - ☒ C. Mother's father
 - ☒ D. Mother's brother

Q.70 In a certain code language, 'van oak canoe' is coded as 'cs vd zb' and 'canoe jet wheat' is coded as 'vc cs uw'. How is 'canoe' coded in that language?

- Ans**
- ☒ A. zb
 - ☒ B. cs
 - ☒ C. vd
 - ☒ D. vc

Q.71 Seema ranked 14th from the bottom and 42th from the top in her class. How many students are there in her class?

- Ans**
- ☒ A. 54
 - ☒ B. 53
 - ☒ C. 55
 - ☒ D. 52

Q.72 Each of the digits in the number 3472618 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. None
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Three

Q.73 Seven boxes, A, B, C, D, I, J, and K, are kept one over the other but not necessarily in the same order. Only two boxes are kept below I. Only one box is kept above J. Only one box is kept between J and K. B is kept immediately above C. D is kept at some place below A. How many boxes are kept between A and B?

- Ans**
- ☐ A. Two
 - ☐ B. One
 - ☐ C. Three
 - ☒ D. Four

Q.74 Which of the following numbers will replace the question marks (?) in the given series?

10, 2, 15, 3, 20, 5, 25, 7, ?, ?

- Ans**
- ☒ A. 30, 11
 - ☐ B. 35, 11
 - ☐ C. 30, 9
 - ☐ D. 35, 9

Q.75 Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 3 @ © 6 5 € € 3 3 8 € % 2 7 6 # 7 * £ € 9 \$ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☐ A. Two
 - ☐ B. Zero
 - ☐ C. Three
 - ☒ D. One

Q.76 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table. Only one person sits between P and O when counted from the right of P. Only one person sits between O and X when counted from the right of O. Only one person sits between P and W when counted from the right of W. Only two people sit between N and X when counted from the left of X. Only one person sits between M and W when counted from the left of W. Who sits third to the right of Y?

- Ans**
- ☐ A. M
 - ☒ B. O
 - ☐ C. P
 - ☐ D. W

Q.77 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 7 * @ © 9 # % £ © * % © 2 * © 4 8 2 4 5 @ (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ A. 4
 - ☐ B. 0
 - ☒ C. 2
 - ☐ D. 1

- Q.78** Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its 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.)

(5, 31, 6)
(3, 16, 5)

- Ans** ☒ A. (3, 2, 7)
☒ B. (6, 13, 2)
☒ C. (1, 6, 4)
☒ D. (4, 7, 2)

- Q.79** What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$139 \div 7 + 341 \times 11 - 41 = ?$

- Ans** ☒ A. 921
☒ B. 831
☒ C. 856
☒ D. 983

- Q.80** What should come in place of the question mark (?) in the given series?

18 27 39 54 ?

- Ans** ☒ A. 69
☒ B. 75
☒ C. 72
☒ D. 70

Section : General Awareness and Current Affairs

- Q.81** In 2025, which institution was directed by the National Green Tribunal to assess the ultraviolet sewage treatment technology?

- Ans** ☒ A. IIT Delhi
☒ B. IIT Kanpur
☒ C. IIT Bombay
☒ D. IIT Madras

- Q.82** In August 2025, the Indian Army, together with IIT Madras, set up a research centre on the IIT Madras campus called ____.

- Ans** ☒ A. AstraLab
☒ B. Agnishodh
☒ C. BrahMos Research Cell
☒ D. DefenceTech

- Q.83** What is the maximum number of lenders allowed per borrower under new Microfinance Institutions Network (MFIN) rules which came into effect from 1 April 2025?

- Ans** ☒ A. Two
☒ B. Three
☒ C. Five
☒ D. Four

Q.84 Which edition of the Offshore Security Coordination Committee (OSCC) was held in New Delhi in June 2025 (led by the Indian Coast guard) with a key focus to evaluate offshore infrastructure security and develop better multi-agency?

- Ans** ☒ A. 137th
☐ B. 147th
☐ C. 127th
☐ D. 157th

Q.85 What does the Waqf (Amendment) Act, 2025, prohibit unless female heirs receive their inheritance first?

- Ans** ☐ A. Court cases
☐ B. Loan sanctioning
☒ C. Dedication to Waqf
☐ D. Property registration

Q.86 What is the aim of the Digital Twin with AI-Driven Insights initiative showcased at India Mobile Congress 2025?

- Ans** ☐ A. To design marketing tools for phone makers
☐ B. To produce sensors for consumer devices
☒ C. To plan and manage infrastructure
☐ D. To create gaming systems for telecom users

Q.87 Who won the 2025 World Junior Chess Championship?

- Ans** ☐ A. Abhijeet Gupta
☐ B. Viswanathan Anand
☒ C. Pranav Venkatesh
☐ D. Pentala Harikrishna

Q.88 What was the theme of the World Food Forum (WFF) held in Rome from 14-18 October 2024?

- Ans** ☐ A. Healthy food for all, for today and tomorrow
☐ B. Nutritious food for all, for today and tomorrow
☐ C. Good food for all, for today and forever
☒ D. Good food for all, for today and tomorrow

Q.89 Where was the first edition of the 2025 Kho Kho World Cup held in January 2025?

- Ans** ☒ A. New Delhi, India
☐ B. Dhaka, Bangladesh
☐ C. Kathmandu, Nepal
☐ D. Colombo, Sri Lanka

Q.90 Which of the following administrative bodies has been designated the nodal agency for the 'Viksit Bharat @2047' programme in 2025?

- Ans** ☐ A. Central Vigilance Commission
☒ B. NITI Aayog
☐ C. Ministry of External Affairs
☐ D. Department of Science and Technology

Q.91 How does the Mizzo Endo 4000, launched in 2025, improve clinical outcomes compared to conventional laparoscopic procedures?

- Ans** ☐ A. It improves drug absorption in human tissues using nanotechnology-based delivery systems.
☐ B. It allows large-scale production of low-cost prosthetics through additive manufacturing.
☐ C. It enhances diagnostic accuracy by integrating AI into pathology workflows.
☒ D. It reduces dependence on imported robotic surgical systems by enabling indigenous precision surgeries.

Q.92 In June 2025, the Reserve Bank of India (RBI) imposed a monetary penalty of ₹29.60 lakh (Rupees Twenty Nine Lakh Sixty Thousand only) on which of the following institutions for non-compliance with certain directions issued by RBI on 'Licensing of Payments Banks' on 6 June 2025?

- Ans**
- ☐ A. Bandhan Bank Limited
 - ☐ B. HDFC Bank Limited
 - ☐ C. Punjab & Sind Bank
 - ☒ D. Fino Payments Bank Limited

Q.93 Which city was chosen to host a major five-day Sumo wrestling tournament in 2025?

- Ans**
- ☒ A. London, UK
 - ☐ B. Toronto, Canada
 - ☐ C. New York, USA
 - ☐ D. Sydney, Australia

Q.94 Who among the following has been elected the President of the Confederation of Indian Industry (CII) for 2025-26?

- Ans**
- ☐ A. Adani
 - ☐ B. Sanjiv Puri
 - ☒ C. Rajiv Memani
 - ☐ D. Mukesh Ambani

Q.95 The National Red List Roadmap, launched in October 2025, primarily aims at which of the following?

- Ans**
- ☒ A. To assess and monitor the conservation status of the country's flora and fauna
 - ☐ B. To track progress on renewable energy adoption and emissions reduction
 - ☐ C. To monitor air and water pollution levels across industrial zones
 - ☐ D. To develop renewable energy targets for environmental sustainability

Q.96 Which state government has initiated transformative industrial reform campaign called Udyog Kranti in June 2025?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Andhra Pradesh
 - ☐ C. Gujarat
 - ☒ D. Punjab

Q.97 Which prestigious award did hockey player Harmanpreet Singh receive from President Droupadi Murmu at a specially organised function at Rashtrapati Bhavan in January 2025?

- Ans**
- ☐ A. Arjuna Award
 - ☐ B. Dronacharya Award
 - ☐ C. Padma Bhushan
 - ☒ D. Major Dhyan Chand Khel Ratna Award

Q.98 What is the name of the women's wellness space inaugurated by the Department of Legal Affairs, Ministry of Law and Justice in July 2025?

- Ans**
- ☐ A. Nari Kalyan Bhawan
 - ☒ B. Mahila Aarogyam Kaksh
 - ☐ C. Stree Suraksha Sadan
 - ☐ D. Swasthya Sthal

Q.99 Which academy was the runner-up in the Bakshi Cup 2025?

- Ans**
- ☐ A. Indian Military Academy (IMA)
 - ☐ B. Officers' Training Academy (OTA) Chennai
 - ☐ C. Air Force Academy (AFA)
 - ☒ D. National Defence Academy (NDA)

Q.100 In November 2025, the Standing Committee of the National Board for Wildlife approved several defence and paramilitary projects in which of the following protected areas?

- Ans**
- ☐ A. Raimona National Park
 - ☐ B. Khangchendzonga National Park
 - ☐ C. Dehing Patkai Wildlife Sanctuary
 - ☒ D. Karakoram Wildlife Sanctuary



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Futuretec Solutions
Test Date	15/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 A distance-time graph is a curve rather than a straight line. What does this indicate?

- Ans**
- ☒ A. The body is at rest.
 - ☒ B. The body is moving with non-uniform speed.
 - ☒ C. The body is moving with uniform speed.
 - ☒ D. The body is moving with uniform acceleration.

Q.2 Which of the following is the primary use of ultrasound in echocardiography?

- Ans**
- ☒ A. Examine the structure and function of the heart
 - ☒ B. Measuring blood sugar levels
 - ☒ C. Determining body weight
 - ☒ D. Cleaning or removing arterial blockages

Q.3 Which of the following defines cross-pollination correctly?

- Ans**
- ☒ A. Transfer of pollen from one plant to a non-flowering plant
 - ☒ B. Transfer of pollen within the same flower
 - ☒ C. Transfer of pollen from the anther of one flower to the stigma of another flower
 - ☒ D. Fertilisation of an ovule without pollen transfer

Q.4 Which of the following correctly lists the components of the vascular tissue known as xylem?

- Ans**
- ☒ A. Tracheids, vessels, sieve tubes, xylem parenchyma
 - ☒ B. Companion cells, sieve cells, vessels, tracheids
 - ☒ C. Sieve tubes, companion cells, phloem fibres, phloem parenchyma
 - ☒ D. Tracheids, vessels, xylem parenchyma, xylem fibres

Q.5 Which of the following pairs is an example of 'molecule of an element itself'?

- Ans**
- ☒ A. Hydrogen gas and oxygen gas
 - ☒ B. Ammonia and sulphur dioxide
 - ☒ C. Ammonia and oxygen gas
 - ☒ D. Hydrogen gas and water

Q.6 Which of the following is NOT correct about nervous tissue?

- Ans**
- ☐ A. Cells are called nerve cells or neurons
 - ☒ B. Nerve cells are very small in length
 - ☐ C. Examples are brain and spinal cord
 - ☐ D. Neuron is made up of axon and dendrites

Q.7 What is the transformation of a larva into an adult frog through drastic changes called?

- Ans**
- ☐ A. Gamete formation
 - ☐ B. Fertilisation
 - ☐ C. Zygote formation
 - ☒ D. Metamorphosis

Q.8 Match the following: Products of Reaction of Metal Carbonates with Acids

Column A (Reactants)

Column B (Products)

A. Sodium carbonate + HCl

1. Forms white precipitate of CaCO_3

B. Calcium carbonate + H_2SO_4

2. Calcium sulphate + CO_2 + H_2O

C. Metal carbonate + Acid

3. Salt + Carbon dioxide + Water

D. CO_2 passed through lime water

4. Sodium chloride + CO_2 + H_2O

- Ans**
- ☐ A. A-2; B-1; C-4; D-3
 - ☒ B. A-4; B-2; C-3; D-1
 - ☐ C. A-4; B-3; C-2; D-1
 - ☐ D. A-3; B-4; C-1; D-2

Q.9 Which of the following is human-made material and will NOT be broken down by the action of bacteria?

- Ans**
- ☐ A. Butter
 - ☐ B. Bread
 - ☐ C. Rice
 - ☒ D. Plastic

Q.10 When an object moves along a straight path but its speed keeps changing, how can we describe its rate of motion?

- Ans**
- ☐ A. By using the total time over the average velocity
 - ☐ B. By checking how far it goes every second
 - ☐ C. By measuring its constant velocity
 - ☒ D. By using average velocity over the total time

Q.11 A body undergoes a displacement of 5 m under the action of a constant force of 5 N, in the same direction as the force. How much work will be done under the action of this force?

- Ans**
- ☒ A. 25 J
 - ☐ B. 1/5 J
 - ☐ C. 1 J
 - ☐ D. 5 J

Q.12 The Moon moves in a curved path around the Earth instead of a straight line because:

- Ans
- ☐ A. the Moon has no inertia
 - ☐ B. the Moon has a very large mass
 - ☒ C. the Earth's gravitational force provides the centripetal force
 - ☐ D. the Sun's light pushes the Moon

Q.13 What is the formula of plaster of paris?

- Ans
- ☐ A. $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
 - ☒ B. $\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$
 - ☐ C. $\text{CuSO}_4 \cdot 1/2\text{H}_2\text{O}$
 - ☐ D. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

Q.14 Arrange the following metals: K, Ca, Al in the order of increasing reactivity.

- Ans
- ☐ A. $\text{Ca} < \text{K} < \text{Al}$
 - ☒ B. $\text{Al} < \text{Ca} < \text{K}$
 - ☐ C. $\text{K} < \text{Al} < \text{Ca}$
 - ☐ D. $\text{K} < \text{Ca} < \text{Al}$

Q.15 Which tissue is specialised for transmitting rapid electrical impulses that enable muscle movement?

- Ans
- ☐ A. Epithelial tissue
 - ☐ B. Adipose tissue
 - ☐ C. Connective tissue
 - ☒ D. Nervous tissue

Q.16 For a given material, the resistance per unit length is inversely proportional to which of the following?

- Ans
- ☐ A. Temperature
 - ☒ B. Cross-sectional area
 - ☐ C. Conductivity
 - ☐ D. Resistivity

Q.17 What is the SI unit of pressure used in measuring gases?

- Ans
- ☐ A. Kelvin
 - ☐ B. Joule
 - ☐ C. Newton
 - ☒ D. Pascal

Q.18 The sexual act is a very intimate connection of bodies and there are many diseases that can be transmitted sexually. Which of the following is caused by bacteria?

- Ans
- ☐ A. Gonorrhoea only
 - ☒ B. Both gonorrhoea and syphilis
 - ☐ C. Syphilis only
 - ☐ D. Warts

Q.19 What type of reaction is an acid-base reaction?

- Ans
- ☐ A. Endothermic reaction
 - ☐ B. Dissociation reaction
 - ☐ C. Redox reaction
 - ☒ D. Exothermic reaction

Q.20 The fuse wire in electric circuits works on the principle of _____.

- Ans**
- ☐ A. chemical effect of current
 - ☒ B. heating effect of current
 - ☐ C. magnetic effect of current
 - ☐ D. induction effect of current

Q.21 Dispersion of white light through a glass prism takes place because:

- Ans**
- ☐ A. different colours travel with the same speed in glass
 - ☐ B. white light splits due to reflection inside the prism
 - ☒ C. different colours travel with different speeds in glass
 - ☐ D. the prism absorbs some colours and transmits others

Q.22 What is mixed cropping?

- Ans**
- ☒ A. Growing multiple crops on a field in the same season
 - ☐ B. Rotating crops on a field seasonally
 - ☐ C. Growing the same crop on a field in all seasons
 - ☐ D. Alternating between growing crops in one season and leaving the field empty in the following season

Q.23 How is the mass number of an atom calculated?

- Ans**
- ☐ A. Atomic number multiplied by 3 as an estimate
 - ☐ B. Total electrons plus nucleons in the atom
 - ☐ C. Total protons plus electrons in the atom
 - ☒ D. Protons plus neutrons in nucleus of atom

Q.24 What is the main purpose of the 'enrichment of ores' process in metallurgy?

- Ans**
- ☒ A. To remove undesirable impurities (gangue) from the ore.
 - ☐ B. To refine the extracted metal to increase its purity.
 - ☐ C. To convert the metal ore into its molten form.
 - ☐ D. To combine the metal with other elements to form alloys.

Q.25 Which of the given statements is correct?

Statement 1: Concave mirrors are used in solar furnaces to focus sunlight at a point for heating.

Statement 2: Convex mirrors can never form real images.

- Ans**
- ☒ A. Both statements 1 and 2 are correct .
 - ☐ B. Both statements 1 and 2 are incorrect .
 - ☐ C. Only statement 1 is correct.
 - ☐ D. Only statement 2 is correct.

Section : Mathematics

Q.26 If the area of an equilateral triangle is $16\sqrt{3} \text{ cm}^2$, then find its perimet

- Ans**
- ☐ A. 16 cm
 - ☒ B. 24 cm
 - ☐ C. 32 cm
 - ☐ D. 12 cm

Q.27 When reduced by 6, the smallest number M is divisible by 9, 12, and 26. The digit sum of M is:

- Ans ☐ A. 8
☐ B. 7
☐ C. 6
☒ D. 15

Q.28 Simplify: $(3x + 5y)^3 + (3x - 5y)^3$

- Ans ☒ A. $6x(9x^2 + 75y^2)$
☐ B. $10y(9x^2 - 75y^2)$
☐ C. $6x(9x^2 - 75y^2)$
☐ D. $10y(9x^2 + 75y^2)$

Q.29 What is the value of $40 \times \left(\frac{0.74 + 1.48}{2\frac{4}{5} + 7\frac{1}{15}} \right)$?

- Ans ☒ A. 9
☐ B. 8.4
☐ C. 9.5
☐ D. 8.7

Q.30 A dealer marks his goods at 57% above the cost price and allows a discount of 22% on the marked price. What is his gain percentage (correct to two decimal places)?

- Ans ☒ A. 22.46%
☐ B. 25.98%
☐ C. 20.14%
☐ D. 19.94%

Q.31 The median of a set of data is 3 times its mode. Find the square of the product of the mean and mode, given that the median is 9.

- Ans ☐ A. 1128
☐ B. 1345
☐ C. 1432
☒ D. 1296

Q.32 Danish is 9 years younger than Roshan. If their ages are in the ratio 4 : 5, how old is Danish?

- Ans ☐ A. 34 years
☐ B. 33 years
☒ C. 36 years
☐ D. 35 years

Q.33 A and B working together can do a piece of work in 3 days. B alone can do the same work in 9 days. How long (in days) will A alone take to do double the work?

- Ans ☐ A. 12
☐ B. 4.5
☒ C. 9
☐ D. 10

Q.34 The average age of 31 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

- Ans** ☒ A. 53
☒ B. 55
☒ C. 52
☒ D. 50

Q.35 A train, 822 m long, is running at a speed of 67m/s. If it takes 133 seconds to cross a tunnel, then find the length of the tunnel.

- Ans** ☒ A. 8089 m
☒ B. 8097 m
☒ C. 8085 m
☒ D. 8086 m

Q.36 Harjeet bought a second-hand scooter for ₹18,000 and spent ₹8,000 for repairing it. At what price should he sell the scooter to get a profit of 10%?

- Ans** ☒ A. ₹25,600
☒ B. ₹27,600
☒ C. ₹24,600
☒ D. ₹28,600

Q.37 Two trains having lengths of 440 m and 310 m are running at speeds of 60 km/hr and 90 km/hr, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

- Ans** ☒ A. 7.2
☒ B. 10.1
☒ C. 6
☒ D. 1.5

Q.38 The amount on a sum of ₹4,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☒ A. ₹5,203
☒ B. ₹5,048
☒ C. ₹5,701
☒ D. ₹4,294

Q.39 Simplify the following.

$$5^{15} \div 25^{\frac{13}{2}} \div 125^{\frac{2}{3}} + 5^{17} \div 125^{\frac{16}{3}} + 5^3$$

- Ans** ☒ A. 126
☒ B. 125
☒ C. 131
☒ D. 130

Q.40 What will come in place of 'A' in the given ratio?

$$\frac{112}{A} = \frac{8}{67}$$

- Ans** ☒ A. 938
☒ B. 939
☒ C. 936
☒ D. 940

Q.41 The area of a rectangle decreases by 9 m^2 when its length is reduced by 5 m and its breadth is increased by 3 m. However, if the length is increased by 3 m and the breadth is increased by 2 m, the area increases by 67 m^2 . Find the original area of the rectangle.

- Ans
- ☐ A. 156 m²
 - ☐ B. 151 m²
 - ☒ C. 153 m²
 - ☐ D. 152 m²

Q.42 Amit and Deeksha together invested ₹17,400 in a business. At the end of the year, out of a total profit of ₹6,000, Amit's share was ₹2,800. What was the investment of Amit?

- Ans
- ☐ A. ₹7,910
 - ☐ B. ₹8,010
 - ☒ C. ₹8,120
 - ☐ D. ₹7,325

Q.43 $\frac{1}{20}$ is what percentage of $\frac{11}{70}$? (Round off the answer to two decimal



- Ans
- ☐ A. 63.64%
 - ☐ B. 46.82%
 - ☐ C. 41.82%
 - ☒ D. 31.82%

Q.44 The cost of a washing machine is 75% less than the cost of a TV. If the cost of the washing machine increases by 80% and that of the TV decreases by 14%, then what is the percentage change in the total cost of 8 washing machines and 2 TVs?

- Ans
- ☐ A. Increase by 29%
 - ☒ B. Increase by 33%
 - ☐ C. Decrease by 30%
 - ☐ D. Decrease by 32%

Q.45 After allowing a discount of 50% on the marked price of an article, it is sold for ₹61,649. Find its marked price (in ₹).

- Ans
- ☒ A. 1,23,298
 - ☐ B. 1,23,280
 - ☐ C. 1,23,308
 - ☐ D. 1,23,380

Q.46 If 20% of a number is added to 84, then the result is the same number. 70% of the same number is:

- Ans
- ☐ A. 103.5
 - ☐ B. 83.5
 - ☒ C. 73.5
 - ☐ D. 93.5

Q.47

If the height of a vertical pole is $\sqrt{3}$ times the length of its shadow on

- Ans ☐ A. 30°
☒ B. 60°
☐ C. 70°
☐ D. 45°

Q.48 In a parking lot, there are cars and motorcycles totaling 28 vehicles. If there are 92 wheels in total, how many cars are there?

- Ans ☐ A. 20
☐ B. 16
☒ C. 18
☐ D. 22

Q.49 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 10.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 4, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans ☐ A. 5°
☐ B. 7°
☒ C. 3°
☐ D. 1°

Q.50 Two taps function simultaneously to fill a tank in 24 hours. The second tap fills the tank 14 hours slower than the first tap. How many hours will it take by the second tap to fill the tank alone?

- Ans ☐ A. 28
☐ B. 70
☐ C. 42
☒ D. 56

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

123 133 142 150 157 ?

- Ans ☐ A. 164
☐ B. 161
☒ C. 163
☐ D. 165

Q.52 MY 24 is related to HT 27 in a certain way. In the same way, BL 21 is related to WG 24. To which of the given options is KT 36 related, following the same logic?

- Ans ☒ A. FO 39
☐ B. GO 39
☐ C. GP 39
☐ D. FO 33

Q.53 Rishika starts from point A and drives 49 km towards north. She then takes a left turn, drives 51 km, turns left and drives 54 km. She then takes a left turn and drives 64 km. She takes a final left turn, drives 5 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 11 km to the east
 - ☐ B. 12 km to the west
 - ☒ C. 13 km to the west
 - ☐ D. 10 km to the west

Q.54 What should come in place of the question mark (?) in the given series?

6 17 29 42 56 71 ?

- Ans**
- ☐ A. 86
 - ☐ B. 88
 - ☒ C. 87
 - ☐ D. 90

Q.55 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 1 7 9 2 2 7 9 9 9 4 7 7 8 9 1 8 6 2 1 2 2 8 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. One
 - ☐ B. None
 - ☒ C. Two
 - ☐ D. Three

Q.56 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:

No student is a teacher.

No student is a carpenter.

Conclusion:

(I) Some teachers are carpenters.

(II) Some students are teachers.

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

CKR 78, HHM 69, MEH 60, RBC 51, ?

- Ans**
- ☐ A. VXY 42
 - ☐ B. VYZ 41
 - ☐ C. XZY 41
 - ☒ D. WYX 42

Q.58 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only three boxes are kept below N. Only two boxes are kept between N and P. Only Q is kept above O. S is kept at some place below R and at some place above M. Which box is kept at second position from the bottom?

- Ans** ☒ A. M
 ☒ B. P
 ☒ C. S
 ☒ D. O

Q.59 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CAKE - ACKE - EKAC
KING - IKNG - GNIK

- Ans** ☒ A. POST - OPST - TSOP
 ☒ B. ROAD - ORAD - OADR
 ☒ C. MUTE - UMTE - EUTM
 ☒ D. KEYS - KYES - SYEK

Q.60 What should come in place of the question mark (?) in the given series?

7 8 12 21 37 '?'

- Ans** ☒ A. 63
 ☒ B. 56
 ☒ C. 50
 ☒ D. 62

Q.61 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$168 \times 7 - 66 \div 5 \div 9 = ?$

- Ans** ☒ A. 49
 ☒ B. 47
 ☒ C. 45
 ☒ D. 42

Q.62 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
CWF59, FUK62, ISP65, ?

- Ans** ☒ A. LQU68
 ☒ B. LRT68
 ☒ C. MQU69
 ☒ D. MRT69

- Q.63** 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 its 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.)

(5, 31, 6)
(3, 16, 5)

- Ans** ☒ A. (4, 7, 2)
☒ B. (3, 2, 7)
☒ C. (6, 13, 2)
☒ D. (1, 6, 4)

- Q.64** In a certain code language,
P + Q means 'P is the father of Q',
P & Q means 'P is the wife of Q',
P @ Q means 'P is the sister of Q' and
P # Q means 'P is the wife of Q'.
Based on the above, how is Y related to Z if 'Y @ G & E + V @ Z'?

- Ans** ☒ A. Brother's wife
☒ B. Mother's mother
☒ C. Father's mother
☒ D. Mother's sister

- Q.65** 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 huts are dens.
No den is a cave.

Conclusions:

(I): Some huts are caves.
(II): Some dens are huts.

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

- Q.66** 51 people are standing in a row facing north. Rohit is 19th from the left end while Anupam is 12th from the right end. How many people are there between Rohit and Anupam?

- Ans** ☒ A. 19
☒ B. 18
☒ C. 20
☒ D. 17

Q.67 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. XBW
☐ B. WZV
☐ C. DGC
☐ D. SVR

Q.68 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only two people sit to the right of F. Only three people sit between F and A. Both E and C are immediate neighbours of G. D sits immediately to the left of B. C is not an immediate neighbour of A. How many people sit between D and E?

- Ans ☐ A. 1
☒ B. 3
☐ C. 4
☐ D. 2

Q.69 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?

$$16 \text{ C } 24 \text{ A } 6 \text{ B } 28 \text{ D } 32 = ?$$

- Ans ☐ A. 98
☐ B. 58
☒ C. 96
☐ D. 87

Q.70 HP 16 is related to JT 19 in a certain way. In the same way, CK 22 is related to EO 25. To which of the given options is MU 27 related, following the same logic?

- Ans ☐ A. QV 29
☒ B. OY 30
☐ C. OV 30
☐ D. QZ 29

Q.71 In a certain code language, 'he eat lunch' is coded as 'rk yf gl' and 'eat proper food' is coded as 'av gl tn'. How is 'eat' coded in the given language?

- Ans ☐ A. yf
☐ B. rk
☐ C. tn
☒ D. gl

Q.72 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$48 \div 16 + 366 \times 6 - 53 = ?$$

- Ans ☒ A. 760
☐ B. 770
☐ C. 790
☐ D. 780

- Q.73** This question is based on the five, three-digit numbers given below.
(Left) 937, 228, 782, 175, 631 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans** ☒ A. 10
☒ B. 12
☒ C. 15
☒ D. 14

- Q.74** 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. ELK
☒ B. LRQ
☒ C. PVU
☒ D. MSR

- Q.75** Akshay starts from Point A and drives 21 km towards the east. He then takes a left turn, drives 11 km, then turns left and drives 25 km. He then takes a left turn and drives 16 km. He takes a final left turn, drives 4 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 towards north
☒ B. 11 km towards south
☒ C. 5 km towards east
☒ D. 21 km towards west

- Q.76** In a certain code language, 'give me bike' is coded as 'bn gt ry' and 'who know me' is coded as 'ry fh vt'. How is 'me' coded in that language?

- Ans** ☒ A. vt
☒ B. fh
☒ C. bn
☒ D. ry

- Q.77** Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 2 3 6 7 3 1 4 2 3 1 3 1 4 8 8 1 7 4 8 8 9 2 7 2 8 1 3 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 4
☒ B. 5
☒ C. 2
☒ D. 3

Q.78 A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits second to the left of A. D is an immediate neighbour of C. C sits to the immediate right of B. F sits second to the left of B. What is the position of E with respect to D?

- Ans**
- ☐ A. Second to the right
 - ☒ B. Immediate right
 - ☐ C. Second to the left
 - ☐ D. Third to the left

Q.79 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 2 8 6 7 3 8 5 9 6 2 4 5 2 8 7 8 6 3 6 4 9 5 1 2 4 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. One
 - ☐ B. Three
 - ☐ C. Two
 - ☐ D. More than three

Q.80 Five people A, B, C, D and E are sitting in a row facing towards north. Only 2 people are sitting between A and D. B is sitting at the third position from extreme left of the row. B is sitting immediate right to A. B is sitting immediate left to E. Exactly how many people are sitting in between E and A?

- Ans**
- ☐ A. None
 - ☐ B. Three
 - ☒ C. One
 - ☐ D. Two

Section : General Awareness and Current Affairs

Q.81 Where was the 2025 World Para Athletics Grand Prix held?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Kolkata
 - ☒ C. New Delhi
 - ☐ D. Bengaluru

Q.82 In May 2025, which state/UT implemented the Stage I Graded Response Action Plan related to climate?

- Ans**
- ☐ A. West Bengal
 - ☐ B. Goa
 - ☒ C. Delhi-NCR
 - ☐ D. Kerala

Q.83 What was the total central government receipts (excluding borrowings) estimated at the Union Budget 2025-26?

- Ans**
- ☐ A. ₹30 lakh crore
 - ☒ B. ₹34.96 lakh crore
 - ☐ C. ₹40.26 lakh crore
 - ☐ D. ₹38 lakh crore

Q.84 INS Tamal, a state-of-the-art stealth multi-role frigate, which was commissioned by the Indian Navy on 1 July 2025, was built in _____.

Ans ✓ A. Russia

✗ B. Spain

✗ C. South Africa

✗ D. Japan

Q.85 Who secured gold in the Women's Singles SU5 at the 2025 Asia Para Badminton Championship?

Ans ✓ A. Manisha Ramadass

✗ B. Thulasimathi Murugesan

✗ C. Palak Kohali

✗ D. Mandeep Kaur

Q.86 In the Union Budget 2025-26, what was the amount allocated to the Ministry of Health and Family Welfare?

Ans ✗ A. ₹1,25,000 Crore

✗ B. ₹79,200 Crore

✓ C. ₹99,858.56 Crore

✗ D. ₹85,300 Crore

Q.87 Which state hosted the National Yoga Day Ceremony on 21 June 2025 with Prime Minister Narendra Modi as the chief guest?

Ans ✓ A. Andhra Pradesh

✗ B. Bihar

✗ C. Haryana

✗ D. Gujarat

Q.88 Where is the company that developed the Surya VHF radar based?

Ans ✓ A. Bengaluru

✗ B. Chennai

✗ C. Hyderabad

✗ D. Pune

Q.89 The 'March of Glory' book, released in March 2025, is co-authored by whom among the following?

Ans ✓ A. K Arumugam and Errol D'Cruz

✗ B. Gideon Haigh and Michael Atherton

✗ C. Simon Barnes and K Arumugam

✗ D. Errol D'Cruz and Boria Majumdar

Q.90 Which event was held at Shri Hari Singh Thapa Sports College in Pithoragarh in 2025?

Ans ✓ A. Boxing

✗ B. Fencing

✗ C. Judo

✗ D. Wrestling

Q.91 Indian boxer Nishant Dev secured his second professional win against which opponent in a Super Welterweight bout at Madison Square Garden Theatre, New York in June 2025?

- Ans**
- ☐ A. Miguel Flores
 - ☒ B. Josue Silva
 - ☐ C. Eduardo Ramirez
 - ☐ D. Victor Ortiz

Q.92 What is the name of the portal launched by the Reserve Bank of India in May 2025 for the regulated entities (REs) to report details of their digital lending apps (DLAs)?

- Ans**
- ☒ A. Centralised Information Management System (CIMS)
 - ☐ B. Regulated Entities Information Management System (REIMS)
 - ☐ C. Centralised Enterprise Management System (CEMS)
 - ☐ D. Digital Lending Apps Management System (DLAMS)

Q.93 As announced in June 2025 by the Union Power and Urban Affairs Minister, what is the minimum temperature setting mandated for new air-conditioners in India?

- Ans**
- ☒ A. 20°C
 - ☐ B. 16°C
 - ☐ C. 24°C
 - ☐ D. 28°C

Q.94 Which of the following missions marked the 100th launch of ISRO from India's Spaceport Sriharikota, boosting India's standing in space launch capability?

- Ans**
- ☐ A. Launch of INSAT-3DS weather satellite
 - ☐ B. Launch of Aditya-L1 solar observatory
 - ☐ C. Launch of Chandrayaan-3
 - ☒ D. Launch of NVS-02 navigation satellite on GSLV-F15

Q.95 What is the name of the pilot initiative launched by the Government of India in Sonbhadra, Uttar Pradesh on 24 June 2025, which is focused on vocational training for adolescent girls?

- Ans**
- ☐ A. DHARANI
 - ☒ B. NAVYA
 - ☐ C. AMRUTA
 - ☐ D. MITRA

Q.96 How many seats did the Bharatiya Janata Party (BJP) win in the 2025 Bihar Assembly election?

- Ans**
- ☐ A. 105
 - ☒ B. 89
 - ☐ C. 95
 - ☐ D. 80

Q.97 Which Indian state launched a ₹50,000 incentive scheme in July 2025 for minority couples marrying through mass marriage events?

- Ans**
- ☐ A. Kerala
 - ☐ B. Tamil Nadu
 - ☒ C. Karnataka
 - ☐ D. Maharashtra

Q.98 China announced the launch of a new K Visa effective 1 October 2025, designed to attract which category of professionals?

- Ans**
- ☒ A. STEM Graduates
 - ☐ B. Tourism Investors
 - ☐ C. Medical Researchers
 - ☐ D. Cultural Artists

Q.99 The Supreme Court extended the stay on tree cutting in how many acres of land at Kancha Gachibowli in Hyderabad in April 2025?

- Ans**
- ☒ A. 400 acres
 - ☐ B. 200 acres
 - ☐ C. 600 acres
 - ☐ D. 100 acres

Q.100 Dr. Duvvur Nageshwar Reddy received the Padma Vibhushan in 2025 for his contributions in which field?

- Ans**
- ☐ A. Art
 - ☒ B. Medicine
 - ☐ C. Trade and Industry
 - ☐ D. Public Affairs



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
 CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Moula Ali
Test Date	15/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Match the following nature and role of metallic oxides.

Column A (Substance) Column B (Role in Reaction)

- | | |
|----------------------------|--|
| A. CuO | 1. Salt formed in reaction |
| B. HCl | 2. Acid reacting with basic oxide |
| C. CuCl₂ | 3. Basic oxide reacting with acid |
| D. H₂O | 4. Neutralisation product |

Ans ☒ A. A - 4; B - 1; C - 2; D - 3

☒ B. A - 3; B - 2; C - 1; D - 4

☒ C. A - 3; B - 4; C - 1; D - 2

☒ D. A - 2; B - 3; C - 4; D - 1

Q.2 Which of the following is a typical physical property of non-metals?

Ans ☒ A. They are ductile and shiny like metals.

☒ B. They conduct heat and electricity well.

☒ C. They are malleable and sonorous.

☒ D. They are brittle and poor conductors of electricity.

Q.3 When thrown in soil, which of the following substances will persist in the environment for a long time?

Ans ☒ A. Pieces of bread

☒ B. Apple peel

☒ C. Mango seed

☒ D. Broken glass pieces

Q.4 What is the chemical reaction involved in the preparation of Plaster of Paris from gypsum?

- Ans
- ☐ A. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O} + \text{heat} \rightarrow \text{CaSO}_4 + 2\text{H}_2\text{O}$
 - ☐ B. $\text{CaCO}_3 + \text{heat} \rightarrow \text{CaO} + \text{CO}_2$
 - ☐ C. $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O} + \text{water} \rightarrow \text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
 - ☒ D. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O} + \text{heat} \rightarrow \text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O} + 1\frac{1}{2}\text{H}_2\text{O}$

Q.5 An object is placed 30 cm from a concave mirror of focal length 20 cm. Using the mirror formula, what will be the image distance?

- Ans
- ☐ A. -40 cm
 - ☐ B. -2.5 cm
 - ☒ C. -60 cm
 - ☐ D. -12 cm

Q.6 What is the percentage of having a male child if the sex chromosomes of the father are XY and those of the mother are XX?

- Ans
- ☐ A. 100%
 - ☐ B. 75%
 - ☒ C. 50%
 - ☐ D. 25%

Q.7 Liquids are less compressible because:

- Ans
- ☐ A. they contain dissolved gases
 - ☒ B. particles have moderate gaps
 - ☐ C. their density is always less than solids
 - ☐ D. they have fixed mass always

Q.8 A force F acts on a body of mass (m) producing acceleration (a) . If the force is increased to $6F$, what is the value of new acceleration in terms of ' a '?

- Ans
- ☐ A. $a/6$
 - ☐ B. a
 - ☐ C. $a/2$
 - ☒ D. $6a$

Q.9 A straight chain of three carbon atoms having no double bond and -OH functional group at first carbon atom is named:

- Ans
- ☐ A. Propanone
 - ☒ B. Propanol
 - ☐ C. Propane
 - ☐ D. Propanal

Q.10 Which of the following glands add their secretions to make easier transport and to provide nutrition for sperms?

- Ans
- ☐ A. Pineal
 - ☐ B. Seminal vesicles only
 - ☐ C. Prostate only
 - ☒ D. Prostate and seminal vesicles

Q.11 Which of the polyatomic ion has 'n' value equal to 3?

- Ans**
- ☐ A. HCO_3^-
 - ☐ B. SO_4^{2-}
 - ☐ C. CO_3^{2-}
 - ☒ D. PO_4^{3-}

Q.12 If a book is lying on a table and is not moving, which of the forces are balanced?

- Ans**
- ☐ A. Weight of the book and friction
 - ☐ B. Only the weight of the book acts
 - ☐ C. Normal reaction and friction
 - ☒ D. Weight of the book and normal reaction by the table

Q.13 A wire made of a certain material has a resistance of $12\ \Omega$ with length l and cross-sectional area A . What will be the resistance of another wire made of the same material but with length $l/3$ and cross-sectional area $2A$?

- Ans**
- ☐ A. $4\ \Omega$
 - ☐ B. $0.5\ \Omega$
 - ☐ C. $1\ \Omega$
 - ☒ D. $2\ \Omega$

Q.14 Which of the following is NOT a marine fish?

- Ans**
- ☐ A. Mackerel
 - ☐ B. Pomfret
 - ☒ C. Rohu
 - ☐ D. Bhetki

Q.15 Three resistors of $12\ \Omega$, $6\ \Omega$ and $4\ \Omega$ are connected in parallel. The equivalent resistance is _____.

- Ans**
- ☒ A. $2\ \Omega$
 - ☐ B. $22\ \Omega$
 - ☐ C. $1\ \Omega$
 - ☐ D. $0.05\ \Omega$

Q.16 What term describes the rapid to and fro motion of an object that is essential for producing sound?

- Ans**
- ☐ A. Refraction
 - ☒ B. Vibration
 - ☐ C. Rarefaction
 - ☐ D. Compression

Q.17 Which of the following is an example of complex permanent tissue?

- Ans**
- ☐ A. Aerenchyma
 - ☐ B. Collenchyma
 - ☐ C. Lateral meristem
 - ☒ D. Phloem

Q.18 Select the correct option with respect to the following statements.

Statement-1: Suspension is a homogeneous mixture.

Statement-2: The particles of a suspension can be seen by the naked eye.

Statement-3: The solute particles settle down when a suspension is left undisturbed, that is, a suspension is unstable.

- Ans**
- ☐ A. Statement 1, 2 and 3 are incorrect
 - ☐ B. Statement 1 and 2 are correct
 - ☐ C. Statement 1, 2 and 3 are correct
 - ☒ D. Statement 2 and 3 are correct

Q.19 Read the given statements and select the most appropriate option.

Statement 1: Mirror formula is applicable to both concave and convex mirrors, provided the sign convention is followed.

Statement 2: The validity of Mirror formula depends on the size of the object.

- Ans**
- ☐ A. Only statement 2 is correct.
 - ☐ B. Both the statements 1 and 2 are correct.
 - ☐ C. Both the statements 1 and 2 are not correct.
 - ☒ D. Only statement 1 is correct.

Q.20 Which of the following statements is/are correct regarding indicator?

a. Turmeric is a natural indicator used for acid base titration.

b. Phenolphthalein is colourless in basic medium and gives pink colour in acidic medium.

c. Clove oil is categorised as olfactory indicator.

- Ans**
- ☐ A. b and c
 - ☐ B. Only b
 - ☒ C. a and c
 - ☐ D. Only a

Q.21 In human beings, how is the sex of a child determined?

- Ans**
- ☐ A. By the difference in number of chromosomes inherited by the child
 - ☒ B. By the inheritance of X or Y chromosome from the father
 - ☐ C. By the inheritance of an X chromosome from the mother
 - ☐ D. By the environmental conditions prevailing during development of the foetus

Q.22 Work done by a constant force depends on which of the following?

- Ans**
- ☐ A. Magnitude of force only
 - ☐ B. Mass of the object
 - ☒ C. Both force and displacement, and the angle between them
 - ☐ D. Displacement only

Q.23 Which of the following plant tissues allows the movement of materials in both directions?

- Ans**
- ☐ A. Sclerenchyma
 - ☐ B. Fibres
 - ☐ C. Xylem
 - ☒ D. Phloem

Q.24 The fluid content inside the plasma membrane, which also contains many specialised cell organelles, is called:

- Ans ☐ A. vacuoplasm
☒ B. cytoplasm
☐ C. plasmin
☐ D. nucleoplasm

Q.25 A ball is thrown upward with an initial velocity of 12 m/s. What will be its velocity after 1 second? (Take $g = 9.8 \text{ m/s}^2$)

- Ans ☐ A. 12 m/s
☐ B. 0 m/s
☒ C. 2.2 m/s
☐ D. 21.8 m/s

Section : Mathematics

Q.26 The sides of a triangle are 34 cm, 88 cm, and 78 cm. What is the length of its altitude corresponding to the side with a length of 88 cm?

- Ans ☐ A. 19 cm
☐ B. 9 cm
☐ C. 79 cm
☒ D. 30 cm

Q.27 A speed of 126 km/hr is the same as:

- Ans ☐ A. 37 m/sec
☒ B. 35 m/sec
☐ C. 32 m/sec
☐ D. 30 m/sec

Q.28 Expression $\sqrt{\frac{1 + \sin\theta}{1 - \sin\theta}}$ is equal to:

- Ans ☐ A. $\sec\theta - \tan\theta$
☒ B. $\sec\theta + \tan\theta$
☐ C. $\operatorname{cosec}\theta + \cot\theta$
☐ D. $\sec\theta - \cot\theta$

Q.29 A triangular garden has vertices at coordinates A(2, 3), B(8, 11), and C(14, 7). A landscape designer wants to plant flowers covering exactly half of this triangular area. What area should be covered with flowers?

- Ans ☐ A. 24 square units
☐ B. 36 square units
☒ C. 18 square units
☐ D. 12 square units

Q.30 A cricketer has an average of 88 runs over 10 innings. If he scores 219 runs in the 11th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- Ans ☐ A. 2
☐ B. 6
☒ C. 12
☐ D. 19

Q.31 In a pouch containing blue, yellow and orange tokens, the ratio of blue to yellow tokens was 5 : 2, while the ratio of orange to blue tokens was 11 : 18. What was the ratio of orange to yellow tokens?

- Ans**
- ☒ A. 63 : 39
 - ☒ B. 55 : 36
 - ☒ C. 51 : 32
 - ☒ D. 59 : 40

Q.32 Smart Bazaar is offering 'Buy 2, Get 8 free' on household items. What is the net percentage discount being offered by the Smart Bazaar?

- Ans**
- ☒ A. 80%
 - ☒ B. 82%
 - ☒ C. 78%
 - ☒ D. 83%

Q.33 A typist takes 40 minutes to type 2 pages. How many pages will he type in 60 minutes?

- Ans**
- ☒ A. 3
 - ☒ B. 4
 - ☒ C. 2
 - ☒ D. 5

Q.34 What is the third proportional of $75x^2$ and $30xy$?

- Ans**
- ☒ A. $13y^2$
 - ☒ B. $12y^2$
 - ☒ C. $9y^2$
 - ☒ D. $11y^2$

Q.35 If each of the length, breadth and height of a cuboid is doubled, its total surface area becomes _____ the original total surface area.

- Ans**
- ☒ A. 8 times
 - ☒ B. 4 times
 - ☒ C. 3 times
 - ☒ D. 2 times

Q.36 Prabhdeep buys 60 identical pens for ₹900. She sells 45 of them at a profit of 20% and the remaining at a loss of 40%. What is the total profit or loss percentage on the whole transaction?

- Ans**
- ☒ A. 5% profit
 - ☒ B. 9% loss
 - ☒ C. 5% loss
 - ☒ D. 9% profit

Q.37 A shopkeeper has ₹10 and ₹5 notes totaling ₹350. If he has 45 notes in total, how many ₹10 notes does he have?

- Ans**
- ☒ A. 27
 - ☒ B. 25
 - ☒ C. 31
 - ☒ D. 29

Q.38 The ages of Amit and Geeta are in the ratio 6: 5, and the sum of their ages is 44 years. Find Amit's age.

- Ans ☐ A. 28 years
☒ B. 24 years
☐ C. 30 years
☐ D. 20 years

Q.39 The arithmetic mean of the observations 61, 33, 94, 48, 36, 93, 73, 94 and 53 is:

- Ans ☐ A. 71
☐ B. 61
☒ C. 65
☐ D. 56

Q.40 Find the value of $\frac{2}{3} \div \frac{12}{11}$ of $8\frac{1}{4} + 4\frac{1}{7} - 5\frac{1}{2} \times 1\frac{1}{7} + 5\frac{1}{3}$.

- Ans ☐ A. $\frac{389}{53}$
☒ B. $\frac{617}{189}$
☐ C. $\frac{511}{105}$
☐ D. $\frac{131}{17}$

Q.41 Raghu's ratio of income to expenditure is 2 : 1. His income increased by 30% and expenditure decreased by 10%. If the initial expenditure was ₹35,000, find his final saving (in ₹).

- Ans ☐ A. 69,500
☐ B. 58,500
☒ C. 59,500
☐ D. 68,500

Q.42 A typist takes 40 minutes to type 4 pages. How long (in minutes) will he take to type 111 pages?

- Ans ☐ A. 1120
☒ B. 1110
☐ C. 1115
☐ D. 1100

Q.43 If 5 men and 2 women can reap 48 hectares in 3 days, and if 3 men and 1 woman can reap 54 hectares in 6 days, then how many women must assist 6 men to reap 378 hectares in 14 days?

- Ans ☒ A. 5
☐ B. 7
☐ C. 9
☐ D. 3

Q.44 Nisha buys a gold ring for her mother. The ring is marked at ₹88,000 and is offered with two successive discounts of 25% and Z%, respectively. After receiving both discounts, she pays ₹33,000. Find the value of Z.

- Ans** ☒ A. 51
☒ B. 50
☒ C. 49
☒ D. 48

Q.45 If 20% of a number is added to 72, then the result is the same number. 70% of the same number is:

- Ans** ☒ A. 83
☒ B. 93
☒ C. 73
☒ D. 63

Q.46 A, B and C can individually do a piece of work in 2 days each. How long (in days) will they take to do thrice the same work, working together?

- Ans** ☒ A. 2
☒ B. 3
☒ C. 6
☒ D. 4

Q.47 If $x + y = 10$ and $xy = 24.96$, then find the value of $(x - y)^2$.

- Ans** ☒ A. 1.69
☒ B. 0.16
☒ C. 0.49
☒ D. 2.25

Q.48 The income of Raman is ₹91,700. He saves 20% of his income. If his income increases by 19% and expenditure increases by 35%, then his savings will:

- Ans** ☒ A. decrease by ₹8,252
☒ B. increase by ₹8,255
☒ C. increase by ₹8,249
☒ D. decrease by ₹8,253

Q.49 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Sachin borrowed an amount of ₹2,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Sachin after 4 years.

- Ans** ☒ A. 31,500
☒ B. 33,500
☒ C. 33,000
☒ D. 32,000

Q.50 Train P going at a speed of 72 km/hr completely passes train Q of length 393 m, going in the same direction on parallel tracks at 42 km/hr, in 1.5 minutes. How much time (in seconds) will train P take to completely cross train R of length 468 m, going at 63 km/hr in the opposite direction?

- Ans** ☒ A. 24
☒ B. 10
☒ C. 22
☒ D. 32

Q.51 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(16, 256, 16)

(9, 81, 9)

- Ans**
- ☒ A. (4, 16, 6)
 - ☒ B. (25, 625, 20)
 - ☒ C. (8, 64, 8)
 - ☒ D. (12, 144, 10)

Q.52 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SAT OWP KSL GOH ?

- Ans**
- ☒ A. CKD
 - ☒ B. CKI
 - ☒ C. CDK
 - ☒ D. COK

Q.53 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?

5 D 4 C 40 B 3 A 1 = ?

- Ans**
- ☒ A. 121
 - ☒ B. 123
 - ☒ C. 125
 - ☒ D. 127

Q.54 Riya starts from point A and drives 34 km towards south. She then takes a right turn, drives 46 km, turns right and drives 51 km. She then takes a right turn and drives 67 km. She takes a final right turn, drives 17 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 19 km to the east
 - ☒ B. 18 km to the east
 - ☒ C. 21 km to the west
 - ☒ D. 20 km to the west

Q.55 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 8 2 2 9 9 9 4 6 4 9 7 9 6 5 1 8 6 6 1 6 6 2 7 5 2 7 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. 3
 - ☒ B. 4
 - ☒ C. 2
 - ☒ D. 1

Q.56 Seven boxes, A, B, C, D, I, J, and K, are kept one over the other, but not necessarily in the same order.
Only two boxes are kept between A and C. Only B is kept above K. No box is kept below C. J is kept at some place below D but at some place above I. Which box is kept third above I?

- Ans** ☒ A. D
☐ B. C
☐ C. K
☐ D. A

Q.57 This question is based on the five, three-digit numbers given below.
(Left) 741 753 789 761 745 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- Ans** ☐ A. 11
☐ B. 6
☒ C. 7
☐ D. 8

Q.58 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DRA120, OCL102, ZNW84, KYH66, ?

- Ans** ☐ A. VJT48
☐ B. VAS48
☒ C. VJS48
☐ D. UJS48

Q.59 What should come in place of the question mark (?) in the given series?

3 6 11 18 ?

- Ans** ☐ A. 24
☒ B. 27
☐ C. 18
☐ D. 22

Q.60 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MKD : IJG
PTF : LSI

- Ans** ☐ A. NKH : JJJ
☐ B. JHE : FFH
☒ C. YUN : UTQ
☐ D. OPA : KOC

Q.61 EFJL is related to HKMQ in a certain way based on the English alphabetical order. In the same way, QZVF is related to TEYK. To which of the given options is ZOEU related, following the same logic?

- Ans** ☒ A. CTHZ
☐ B. CTHU
☐ C. CHTY
☐ D. CHZW

Q.62 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 8 2 8 2 3 8 3 1 3 9 1 7 3 9 7 6 2 6 6 6 8 2 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans** ☐ A. Four
☐ B. Two
☒ C. One
☐ D. Three

Q.63 Mr. Akai starts from Point A and drives 9 km towards south. He then takes a left turn, drives 7 km, turns left and drives 21 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 12 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 degrees turns only unless specified)

- Ans** ☐ A. 7 km to the north
☐ B. 11 km to the west
☐ C. 7 km to the east
☒ D. 11 km to the east

Q.64 In a certain code language,

A ? B means 'A is the daughter of B',
A = B means 'A is the son of B',
A @ B means 'A is the father of B' and
A √ B means 'A is the sister of B'.

How is C related to L if 'C = D @ E √ F ? L'?

- Ans** ☐ A. Husband
☐ B. Brother
☐ C. Father
☒ D. Son

Q.65 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 letter-cluster pair 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. LU – RX
☐ B. UD – AG
☒ C. CL – JO
☐ D. BK – HN

Q.66 IK 6 is related to KF -10 in a certain way. In the same way, GI 8 is related to ID -8. To which of the given options is RT 12 related, following the same logic?

- Ans ☐ A. TP -4
☐ B. SO -5
☒ C. TO -4
☐ D. UO -5

Q.67 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.

W sits third to the left of O. X sits second to the left of Y. O is the immediate neighbour of both N and X. P is not an immediate neighbour of W.

How many people sit between M and X when counted from the right of M?

- Ans ☒ A. Two
☐ B. One
☐ C. Four
☐ D. Three

Q.68 In a certain code language, 'store what matters' is coded as 'bf yt xc' and 'don't store it' is coded as 'hd ip xc'. How is 'store' coded in the given language?

(All codes are two-letter codes)

- Ans ☒ A. xc
☐ B. bf
☐ C. hd
☐ D. ip

Q.69 A, B, C, D, E and F are sitting around a circular table facing the centre. C sits second to the left of E. A sits second to the right of D. F is on the immediate right of A. Who is sitting on the immediate right of B?

- Ans ☐ A. A
☐ B. E
☐ C. D
☒ D. C

Q.70 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:

All foxes are cats.

No cat is a bear.

Conclusions:

(I): No fox is a bear.

(II): Some bears are cats.

- 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.71 Hiten ranked 39th from the top and 24th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 62
☐ B. 60
☐ C. 61
☐ D. 63

Q.72 What should come in place of the question mark (?) in the given series?

351 335 319 303 287 ?

- Ans** ☐ A. 269
☐ B. 273
☒ C. 271
☐ D. 275

Q.73 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 6 5 4 1 2 5 8 9 7 4 5 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans** ☐ A. Four
☒ B. One
☐ C. Three
☐ D. Two

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?

7 B 6 C 3 D 24 A 4 = ?

- Ans** ☐ A. 38
☒ B. 39
☐ C. 37
☐ D. 36

Q.75 In a certain code language, 'VALE' is coded as '6318' and 'OVAL' is coded as '3761'. What is the code for 'O' in the given code language?

- Ans** ☐ A. 1
☐ B. 6
☐ C. 3
☒ D. 7

Q.76 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

22 - 13 ÷ 21 × 39 + 48 = ?

- Ans** ☐ A. -17
☐ B. -18
☐ C. -21
☒ D. -19

Q.77 What should come in place of the question mark (?) in the given series?

321 323 327 333 341 ?

- Ans**
- ☐ A. 353
 - ☐ B. 355
 - ☐ C. 349
 - ☒ D. 351

Q.78 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 statement(s).

Statements:

All books are pens.

Some pens are erasers.

Conclusions:

(I) All erasers are pens.

(II) Some books are erasers.

- Ans**
- ☒ A. Neither I nor II follows
 - ☐ B. Only II follows
 - ☐ C. Only I follows
 - ☐ D. Both I and II follow

Q.79 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 letter-cluster pair 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. SV – PA
 - ☒ B. MT – JZ
 - ☐ C. RD – OI
 - ☐ D. KQ – HV

Q.80 Six animals, Bear, Fox, Giraffe, Lion, Panda and Tiger, are sitting around a circular table facing the centre. Fox is an immediate neighbour of both Tiger and Bear. Tiger is sitting second to the left of Lion. Giraffe is sitting second to the left of Panda. Who is sitting between Lion and Tiger, when counted from the left of Lion?

- Ans**
- ☐ A. Fox
 - ☒ B. Giraffe
 - ☐ C. Bear
 - ☐ D. Panda

Section : General Awareness and Current Affairs

Q.81 Which of the following countries is the venue for the 2025 Esports World Cup?

- Ans**
- ☐ A. Dubai
 - ☐ B. Beijing
 - ☐ C. Berlin
 - ☒ D. Riyadh

Q.82 What long-term wireless milestone did IIT Hyderabad and Japan's SSIC achieve as of May 2025?

- Ans**
- ☐ A. 5G broadcast TV
 - ☐ B. Prototype 7G
 - ☒ C. Test of Beyond 5G and 6G SDR SoC
 - ☐ D. 100 Gbps laser satellites

Q.83 As per the India Justice Report, 2025, which is the only state in India to meet all three (SC, ST and OBC) quotas in both the police and judiciary?

- Ans**
- ☐ A. Assam
 - ☒ B. Karnataka
 - ☐ C. Chhattisgarh
 - ☐ D. Kerala

Q.84 Which global cybersecurity company collaborated with the Indian Computer Emergency Response Team (CERT-In) to launch the Digital Threat Report 2024 for the Banking, Financial Services, and Insurance (BFSI) sector in April 2025?

- Ans**
- ☐ A. Norton CyberSecure
 - ☒ B. SISA
 - ☐ C. Kaspersky Labs
 - ☐ D. McAfee International

Q.85 Saweety Boora, the Indian World Championships gold medalist and Arjuna Award recipient in 2025, is associated with which sport?

- Ans**
- ☐ A. Badminton
 - ☒ B. Boxing
 - ☐ C. Weightlifting
 - ☐ D. Wrestling

Q.86 As per Union Budget 2025–26, how much corpus has been allocated to the Ministry of Science and Technology to finance private-sector-led research, development, and innovation?

- Ans**
- ☐ A. ₹35,000 crore
 - ☒ B. ₹20,000 crore
 - ☐ C. ₹50,000 crore
 - ☐ D. ₹25,000 crore

Q.87 Which of the following states has become the first in India to use face recognition linked to Aadhaar for ration delivery in July 2025?

- Ans**
- ☐ A. Punjab
 - ☒ B. Himachal Pradesh
 - ☐ C. Uttarakhand
 - ☐ D. Haryana

Q.88 According to Reporters Without Borders (RSF) World Press Freedom Index 2025, which country topped the index released in May 2025?

- Ans**
- ☐ A. Estonia
 - ☐ B. Finland
 - ☒ C. Norway
 - ☐ D. Switzerland

Q.89 Which country won the most medals at the 2025 World Athletics Championships?

- Ans**
- ☐ A. China
 - ☒ B. USA
 - ☐ C. Kenya
 - ☐ D. Great Britain

Q.90 Who was appointed as Chairperson of the Economic Advisory Council to the Prime Minister (EAC-PM) in June 2025?

- Ans**
- ☐ A. Suman Bery
 - ☐ B. Bibek Debroy
 - ☐ C. Arun Kumar
 - ☒ D. S Mahendra Dev

Q.91 How many years of service is the IMD celebrating in 2025?

- Ans**
- ☐ A. 100 years
 - ☒ B. 150 years
 - ☐ C. 175 years
 - ☐ D. 125 years

Q.92 Which religious communities are covered under Karnataka's ₹50,000 incentive scheme for mass marriages in July 2025?

- Ans**
- ☐ A. Only Muslim and Christian
 - ☐ B. Only SC/ST
 - ☒ C. Muslim, Christian, Jain, Buddhist, Parsi and Sikh
 - ☐ D. Hindu and Buddhist

Q.93 Neeraj Chopra won the Ostrava Golden Spike javelin event in June 2025 with what distance?

- Ans**
- ☐ A. 84.10 m
 - ☒ B. 85.29 m
 - ☐ C. 86.50 m
 - ☐ D. 87.00 m

Q.94 Which of the following is India's rank among the most polluted countries of the world as of IQ Air Report 2024?

- Ans**
- ☐ A. 3
 - ☐ B. 7
 - ☐ C. 9
 - ☒ D. 5

Q.95 What is the name of India's automated Air Defence Control and Reporting System, designed to detect, track, and neutralise enemy aircraft, drones, and missiles in May 2025?

- Ans**
- ☐ A. Akashbhed
 - ☒ B. Akashteer
 - ☐ C. Agnidhar
 - ☐ D. Naag

Q.96 According to Envstats India 2025, what was the inland fish production in 2023-24?

- Ans**
- ☒ A. 139.07 lakh tonnes
 - ☐ B. 79.83 lakh tonnes
 - ☐ C. 112.77 lakh tonnes
 - ☐ D. 147.23 lakh tonnes

- Q.97** In April 2025, the World Bank and International Monetary Fund (IMF) held their Spring Meetings in which U.S. city?
- Ans** ☐ A. Miami
☐ B. Los Angeles
☐ C. Chicago
☒ D. Washington, D.C.
- Q.98** As of June 2025, who among the following is NOT the Chief Minister of any state in India?
- Ans** ☐ A. Bhajan Lal Sharma
☐ B. Himanta Biswa Sarma
☒ C. Kalvakuntla Chandrashekar Rao
☐ D. Nara Chandrababu Naidu
- Q.99** The Waqf (Amendment) Act, 2025 mandates the representation of how many Muslim women on Waqf boards?
- Ans** ☐ A. Four
☒ B. Two
☐ C. Three
☐ D. One
- Q.100** Which Indian beach hosted the amphibious landing phase of Tiger Triumph 2025?
- Ans** ☐ A. Juhu
☐ B. Kanyakumari
☒ C. Kakinada
☐ D. Puri



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Arunodaya Nagar
Test Date	15/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 Which part of the brain controls involuntary actions such as blood pressure, salivation, and vomiting?

- Ans** ☒ A. Medulla oblongata
☐ B. Cerebellum
☐ C. Thalamus
☐ D. Cerebrum

Q.2 Asexual reproduction has differences from sexual reproduction. Which of the following is NOT representing asexual reproduction?

- Ans** ☒ A. Involvement of both male and female reproductive parts
☐ B. Fragmentation
☐ C. Regeneration
☐ D. Binary fission

Q.3 Which of the following statements about the physical properties of non-metals is correct?

- Ans** ☐ A. Non-metals are malleable and ductile.
☐ B. Non-metals are good conductors of electricity.
☐ C. Non-metals have high density and high melting points.
☒ D. Non-metals are generally brittle in solid state.

Q.4 Which statement accurately describes the characteristics of protons in an atom?

- Ans** ☐ A. They are negatively charged particles.
☒ B. They are located in the nucleus of an atom.
☐ C. They have negligible mass compared to electrons.
☐ D. They revolve around the nucleus in fixed orbits.

Q.5 If a person weighing 600 N stands on two feet with a total contact area of 0.05 m^2 , the pressure exerted on the sand is:

- Ans** ☐ A. 300 Pa
☐ B. 30,000 Pa
☐ C. 600 Pa
☒ D. 12,000 Pa

Q.6 Which of the following pairs correctly matches the device with its main use?

- Ans**
- ☐ A. Megaphone – Listening to heartbeat
 - ☐ B. Horn – Measuring blood pressure
 - ☐ C. Stethoscope – Directing sound to a large audience
 - ☒ D. Horn – Amplifying musical sound

Q.7 Which activity shows that particles of matter are continuously moving?

- Ans**
- ☐ A. Sugar settling at the bottom of a glass of water
 - ☒ B. Fragrance of perfumes spreading in a room
 - ☐ C. Water being heated to its boiling point
 - ☐ D. Ice melting at room temperature

Q.8 Predict the elements corresponding to the following numbers of protons and neutrons.

A: 20 protons and 20 neutrons

B: 19 protons and 20 neutrons

- Ans**
- ☒ A. A: Calcium, B: Potassium
 - ☐ B. A: Calcium, B: Magnesium
 - ☐ C. A: Potassium, B: Calcium
 - ☐ D. A: Magnesium, B: Potassium

Q.9 Which of the following substance is inert and simply persist in the environment for a long time and harm various members of the eco-system?

- Ans**
- ☐ A. Tea clay kullhads
 - ☒ B. Disposable plastic cups
 - ☐ C. Tea leaves
 - ☐ D. Disposable paper cups

Q.10 Which of the following describes the nature of the average speed?

- Ans**
- ☐ A. It can be negative.
 - ☐ B. It is a vector quantity (magnitude and direction).
 - ☐ C. It is always equal to or less than the average velocity.
 - ☒ D. It is a scalar quantity (only magnitude).

Q.11 Which of the following statements is correct?

- Ans**
- ☒ A. Work requires both force and displacement.
 - ☐ B. Work can be done without displacement.
 - ☐ C. Work is independent of displacement.
 - ☐ D. Work can be done without force.

Q.12 Which of the following phenomena is responsible for the blue colour of a clear sky?

- Ans**
- ☐ A. Reflection
 - ☐ B. Dispersion
 - ☒ C. Scattering
 - ☐ D. Refraction

Q.13 For fertilization, the pollen grain should land on which suitable part of the flower?

- Ans**
- ☐ A. Sepal
 - ☐ B. Petal
 - ☐ C. Filament
 - ☒ D. Stigma

Q.14 Which of the following is a heterogeneous mixture?

- Ans
- ☐ A. Air
 - ☐ B. Vinegar
 - ☒ C. Soil
 - ☐ D. Sugar solution

Q.15 A train is travelling at a speed of 180 km/hr. Brakes are applied so as to produce a uniform acceleration of (-1 m/s^2) . What will be the distance covered by the train before coming to rest?

- Ans
- ☒ A. 1250 m
 - ☐ B. 16,200 m
 - ☐ C. 1620 m
 - ☐ D. 125 m

Q.16 Which of the following simple permanent tissues have its cell walls lignified?

- Ans
- ☐ A. Phloem
 - ☐ B. Parenchyma
 - ☐ C. Collenchyma
 - ☒ D. Sclerenchyma

Q.17 In the process of binary fission in unicellular organisms such as bacteria and protozoa, which of the following is least likely to occur?

- Ans
- ☒ A. Unequal partition of genetic material
 - ☐ B. No need for a second parent
 - ☐ C. Rapid population increase under favourable conditions
 - ☐ D. Formation of identical daughter cells

Q.18 Which of the following statements is/are true about villi in the small intestine?

Statements:

A: Increase surface area for absorption

B: Contain blood vessels

C: Help in excretion

D: Absorb digested nutrients

- Ans
- ☒ A. Only Statements A, B, and D
 - ☐ B. Only Statement B
 - ☐ C. Only Statements A, B and C
 - ☐ D. Only Statement A

Q.19 The filament of an electric bulb is made of tungsten because it:

- Ans
- ☒ A. has a high resistance and can withstand high temperatures
 - ☐ B. is cheap
 - ☐ C. has a low melting point
 - ☐ D. is a good conductor

Q.20 Which of the following reactions correctly represents the synthesis of bleaching powder?

- Ans
- ☐ A. $2\text{Ca}(\text{OH})_2 + 2\text{NaCl} \rightarrow \text{CaOCl}_2 + \text{CaCl}_2 + 2\text{NaOH} + \text{H}_2\text{O}$
 - ☐ B. $2\text{Ca}(\text{OH})_2 + 2\text{Cl}_2 \rightarrow \text{CaOCl}_2 + \text{CaCl}_2 + \text{H}_2\text{O}$
 - ☒ C. $2\text{Ca}(\text{OH})_2 + 2\text{Cl}_2 \rightarrow \text{Ca}(\text{ClO})_2 + \text{CaCl}_2 + 2\text{H}_2\text{O}$
 - ☐ D. $2\text{Ca}(\text{OH})_2 + 2\text{NaCl} \rightarrow \text{Ca}(\text{OCl})_2 + \text{CaCl}_2 + 2\text{H}_2\text{O}$

Q.21 Which gland in the human body secretes the growth hormone?

- Ans**
- ☐ A. Thyroid gland
 - ☐ B. Adrenal gland
 - ☒ C. Pituitary gland
 - ☐ D. Pancreas

Q.22 Anodising is typically performed on which metal?

- Ans**
- ☐ A. Zinc
 - ☐ B. Steel
 - ☐ C. Copper
 - ☒ D. Aluminium

Q.23 The hydrophilic end of a soap molecule is:

- Ans**
- ☒ A. ionic and interacts with water
 - ☐ B. non-ionic and soluble in water
 - ☐ C. non-ionic and soluble in oil
 - ☐ D. neutral and non-polar

Q.24 The heat produced in a conductor due to the flow of current does NOT depend on _____.

- Ans**
- ☐ A. duration of current flow.
 - ☒ B. direction of current.
 - ☐ C. amount of current.
 - ☐ D. resistance for a given current.

Q.25 An object placed between F and 2F of a convex lens forms an image _____.

- Ans**
- ☐ A. At infinity, real, inverted and same size
 - ☐ B. At 2F, real, inverted, and diminished
 - ☒ C. Beyond 2F, real, inverted, and enlarged
 - ☐ D. Between F and the lens, virtual, erect, and diminished

Section : Mathematics

Q.26 A shopkeeper bought 20 kg of apples for ₹3,600 and sold them at the rate of ₹220/kg. How much profit (in ₹) did he gain?

- Ans**
- ☐ A. 600
 - ☐ B. 700
 - ☐ C. 750
 - ☒ D. 800

Q.27 The cost of a washing machine is 20% less than the cost of a TV. If the cost of the washing machine increases by 45% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 5 washing machines and 4 TVs?

- Ans**
- ☐ A. Increase by 2.5%
 - ☒ B. Increase by 3.5%
 - ☐ C. Decrease by 9%
 - ☐ D. Decrease by 10%

Q.28 A certain sum of money triples itself in 8 years on simple interest. In how many years it will be four times?

- Ans ☒ A. 10
☒ B. 13
☒ C. 11
☒ D. 12

Q.29 If the mode of the data 12, 9, 10, 12, 13, $(2K - 2)$, 13, 19, 15 and 17



- Ans ☒ A. 8
☒ B. 7
☒ C. 6
☒ D. 5

Q.30 The age of a mother 8 years ago from now was five times the age of her daughter. After 2 years from now, the mother's age will be thrice that of her daughter. Find the ratio of the present age of mother to daughter.

- Ans ☒ A. 29 : 9
☒ B. 22 : 9
☒ C. 15 : 8
☒ D. 17 : 8

Q.31 The sum of two numbers is 25. One of the numbers exceeds the other by 9. Find the numbers.

- Ans ☒ A. 17 and 8
☒ B. 16 and 9
☒ C. 11 and 14
☒ D. 10 and 15

Q.32 The value of $\frac{(0.12)^2 + (0.123)^2 + (0.1234)^2}{(0.012)^2 + (0.0123)^2 + (0.01234)^2}$ is:

- Ans ☒ A. 1
☒ B. 100
☒ C. 1000
☒ D. 10

Q.33 If $\tan A = \frac{6}{7}$, find the value of $\frac{7\sin A + 2\cos A}{7\sin A - 2\cos A}$.

- Ans ☒ A. 2
☒ B. $-\frac{19}{5}$
☒ C. $\frac{9}{5}$
☒ D. 5

Q.34 If $2a + b + c = 0$ and $8a^3 + b^3 + c^3 = kabc$, then find the value of k^2 .

- Ans ☒ A. 25
☒ B. 49
☒ C. 36
☒ D. 16

Q.35 Two cars start from the same point and travel in the same direction. If one car travels at 55 km/hr and the other at 72 km/hr, how far apart will they be after 3 hours?

- Ans** ☒ A. 51 km
☐ B. 57 km
☐ C. 61 km
☐ D. 45 km

Q.36 A cricketer has an average of 55 runs over 5 innings. If he scores 166 runs in the 6th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- Ans** ☐ A. 10
☒ B. 19
☐ C. 18
☐ D. 8

Q.37 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 72^\circ$. E is a point on BC such that $\angle CAE = 71^\circ$. What is the measure of $\angle AEB$?

- Ans** ☐ A. 92°
☐ B. 88°
☒ C. 89°
☐ D. 93°

Q.38 ₹3,787 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5, and 6 : 7, respectively. The share of A (in ₹) is:

- Ans** ☐ A. 628
☐ B. 708
☒ C. 672
☐ D. 604

Q.39 The volume of a solid cylinder is $34,650 \text{ cm}^3$. If the height is 25 cm, find the radius.
(Use $\pi = \frac{22}{7}$)

- Ans** ☐ A. 121 cm
☐ B. 135 cm
☒ C. 132 cm
☐ D. 128 cm

Q.40 A, B and C can do a piece of work in 2, 8 and 8 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans** ☐ A. 5
☐ B. 8
☒ C. 4
☐ D. 12

Q.41 A person spent ₹14,000 on groceries, ₹8,000 on house rent, ₹10,000 on children's school fees and the remaining 20% of the total income was kept as cash with him. Find his income.

- Ans** ☐ A. ₹50,000
☒ B. ₹40,000
☐ C. ₹52,000
☐ D. ₹46,000

Q.42 Three numbers are in the ratio 7 : 20 : 8 and the sum of these numbers is 4830. Find the middle number.

- Ans** ☐ A. 2763
☐ B. 2759
☐ C. 2761
☒ D. 2760

Q.43 A metallic sphere of radius 36 cm is dropped into a cylindrical vessel, which is partly filled with water. The diameter of the vessel is 4.8 metres. If the sphere is completely submerged, find by how much the surface of the water will rise.

- Ans** ☐ A. 2.08 cm
☐ B. 2.82 cm
☐ C. 1.82 cm
☒ D. 1.08 cm

Q.44 If 50% of 80% of $\frac{1}{2}$ of a number is 442, find the number.

- Ans** ☒ A. 2210
☐ B. 3630
☐ C. 1480
☐ D. 3530

Q.45 Simplify: $(24 - 6 \times 3) + 18 \div 3 \times 2$

- Ans** ☐ A. 12
☐ B. 30
☐ C. 24
☒ D. 18

Q.46 Sakshi goes to a shopping mall at a speed of 36 km/hr and returns at a speed of 24 km/hr. Find her average speed (in km/hr) for the entire journey.

- Ans** ☐ A. 37.8
☒ B. 28.8
☐ C. 36.4
☐ D. 23.5

Q.47 7 men or 6 women can do a job in 15 days. 7 men work for 8 days and leave. The number of women required to complete the remaining work in 6 days is:

- Ans** ☐ A. 10
☒ B. 7
☐ C. 6
☐ D. 8

Q.48 During a New Year sale, a company gives 'Buy 9 Sweaters and Get 3 Free' offer to customers. The percentage discount involved in this deal is:

- Ans** ☐ A. 27%
☐ B. 30%
☒ C. 25%
☐ D. 23%

Q.49 A garrison of 1,206 men has provisions for 24 days. How long (in days) will the provisions last if the garrison is increased to 1,809 men?

- Ans** ☒ A. 16
☐ B. 18
☐ C. 15
☐ D. 17

Q.50 A shopkeeper declares the following three schemes of discounts. Which scheme is the most beneficial to a customer?

- A. Buy 5 items and get 22 of the same items free
B. Two successive discounts of 13% and 38%
C. Two successive equal discounts of 21%

- Ans** ☐ A. Only C
☐ B. Only B
☐ C. A and C both
☒ D. Only A

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'TIME' is coded as '5046' and 'MINE' is coded as '4609'. What is the code for 'N' in the given code language?

- Ans** ☐ A. 6
☐ B. 0
☒ C. 9
☐ D. 4

Q.52 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only one person sits to the right of E. Only three people sit between G and E. Only three people sit between A and D, neither of whom sits on the left end. F sits immediately to the right of C. Only one person sits between A and B. Who sits second to the left of C?

- Ans** ☐ A. A
☐ B. E
☐ C. D
☒ D. G

Q.53 MH 10 is related to FA 20 in a certain way. In the same way, PK 9 is related to ID 18. To which of the given options is UP 7 related, following the same logic?

- Ans** ☐ A. XP 12
☐ B. SP 14
☐ C. DE 12
☒ D. NI 14

Q.54 In a certain code language,
P + Q means 'P is the father of Q',
P # Q means 'P is the wife of Q',
P & Q means 'P is the brother of Q' and
P % Q means 'P is the sister of Q'.

How is C related to K if 'C # A + V & G # K'?

- Ans** ☐ A. Husband's mother
☐ B. Wife's sister
☐ C. Wife's father
☒ D. Wife's mother

Q.55 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 is/are true.

Statements:

No Pianos are Guitars.

All Guitars are Violins.

Some Violins are Drums.

Conclusions:

(I) Some Pianos are Violins.

(II) Some Guitars are Drums.

- Ans** ☒ A. Neither conclusion (I) nor (II) is true.
☐ B. Both conclusions (I) and (II) are true.
☐ C. Only conclusion (I) is true.
☐ D. Only conclusion (II) is true.

Q.56 In a certain code language, 'ZEST' is coded as '4875' and 'BEST' is coded as '5781'. What is the code for 'Z' in the given code language?

- Ans** ☒ A. 4
☐ B. 7
☐ C. 8
☐ D. 5

Q.57 Five people, A, B, C, D and E, are sitting in a row, facing north. A sits fourth from the right end of the line. Only one person sits between B and D. D is not an immediate neighbour of A. How many people sit between A and D?

- Ans** ☐ A. 1
☒ B. 2
☐ C. 0
☐ D. 3

Q.58 This question is based on the five, three-digit numbers given below.

(Left) 658 223 661 257 666 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans** ☐ A. 11
☐ B. 14
☒ C. 9
☐ D. 12

Q.59 What should come in place of the question mark (?) in the given series?

342 352 360 366 370 ?

- Ans** ☒ A. 372
☐ B. 378
☐ C. 374
☐ D. 376

Q.60 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:

All teachers are professionals.

All professionals are doctors.

Conclusions:

(I): Some doctors are teachers.

(II): All teachers are doctors.

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

Q.61 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. ZBX
 - ☐ B. SUQ
 - ☒ C. BEZ
 - ☐ D. EGC

Q.62 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$208 - 117 \times 9 \div 5 + 215 = ?$$

- Ans**
- ☐ A. 53
 - ☒ B. 58
 - ☐ C. 55
 - ☐ D. 59

Q.63 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

TLD, WOG, ZRJ, CUM, ?

- Ans**
- ☐ A. FYQ
 - ☒ B. FXP
 - ☐ C. FYP
 - ☐ D. FXQ

Q.64 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 26, 48)

(10, 28, 50)

- Ans**
- ☒ A. (21, 3, 25)
 - ☒ B. (25, 43, 65)
 - ☒ C. (9, 27, 48)
 - ☒ D. (7, 25, 46)

Q.65 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. B sits fourth to the left of E. Only one person sits between B and F. C sits to the immediate left of F. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

- Ans**
- ☒ A. BA
 - ☒ B. CF
 - ☒ C. FD
 - ☒ D. DE

Q.66 This question is based on the five, three-digit numbers given below.

(Left) 437 504 395 482 273 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 9
 - ☒ B. 10
 - ☒ C. 11
 - ☒ D. 12

Q.67 Rajen starts from point A and drives 54 km towards east. He then takes a right turn, drives 56 km, turns right and drives 56 km. He then takes a right turn and drives 65 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 9 km to the south
 - ☒ B. 6 km to the north
 - ☒ C. 7 km to the north
 - ☒ D. 8 km to the south

Q.68 GQ 14 is related to EN 16 in a certain way. In the same way, KU 22 is related to IR 24. To which of the following is OY 27 related, following the same logic?

- Ans**
- ☒ A. PT 29
 - ☒ B. MR 29
 - ☒ C. PU 28
 - ☒ D. MV 29

Q.69 Refer to the following series and answer the question (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 7 5 2 1 1 6 6 9 8 6 1 7 1 1 9 6 7 3 6 9 9 8 1 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☐ C. Two
 - ☒ D. Four

Q.70 Seven boxes, A, D, E, M, N, Q and S, are kept one over the other, but not necessarily in the same order.
N is kept second from the bottom. Only three boxes are kept between N and A. Q is kept at one of the positions below N. Only D is kept between A and S. E is kept at one of the positions above A.
How many boxes are kept between M and A?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.71 LHQV is related to QFVT in a certain way based on the English alphabetical order. In the same way, VDAR is related to ABFP. To which of the following is FZKN related, following the same logic?

- Ans**
- ☐ A. JZQK
 - ☐ B. JWOM
 - ☒ C. KXPL
 - ☐ D. LYQK

Q.72 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$18 - 13 \div 15 + 82 \times 2 = ?$$

- Ans**
- ☐ A. 205
 - ☐ B. 207
 - ☐ C. 206
 - ☒ D. 208

Q.73 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 8 1 5 3 8 5 2 5 2 3 3 7 4 4 5 2 7 8 7 2 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☐ C. Four
 - ☒ D. Two

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

LEX 14, OHA 23, RKD 32, UNG 41, XQJ 50, ?

- Ans**
- ☒ A. ATM 57
 - ☒ B. ATM 59
 - ☒ C. AMT 59
 - ☒ D. AQM 59

Q.75 What should come in place of the question mark (?) in the given series?

253 243 234 ? 219 213

- Ans**
- ☒ A. 226
 - ☒ B. 225
 - ☒ C. 223
 - ☒ D. 224

Q.76 If + means $\times$, $\times$ means $\div$, and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$205 - 3 \div 262 + 212 \times 4 = ?$

- Ans**
- ☒ A. 825
 - ☒ B. 822
 - ☒ C. 824
 - ☒ D. 823

Q.77 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. UWR
 - ☒ B. RSO
 - ☒ C. ABX
 - ☒ D. KLH

Q.78 Mayank starts from point A and drives 45 km towards south. He then takes a left turn, drives 46 km, turns left and drives 54 km. He then takes a left turn and drives 63 km. He takes a final left turn, drives 9 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 14 km to the west
 - ☒ B. 16 km to the east
 - ☒ C. 15 km to the west
 - ☒ D. 17 km to the east

Q.79 What should come in place of the question mark (?) in the given series?
56 76 96 116 136 ?

- Ans**
- ☒ A. 156
 - ☒ B. 153
 - ☒ C. 152
 - ☒ D. 154

Q.80 Girish ranked 16th from the top and 26th from the bottom in his class. How many students are there in the class?

- Ans**
- ☒ A. 41
 - ☐ B. 35
 - ☐ C. 40
 - ☐ D. 30

Section : General Awareness and Current Affairs

Q.81 In June 2025, who was awarded the United Nations Sasakawa Award 2025 for Disaster Risk Reduction, for exceptional contributions to tropical cyclone forecasting and warning systems?

- Ans**
- ☐ A. Bhupendra Nath Goswami
 - ☒ B. Mrutyunjay Mohapatra
 - ☐ C. SK Satheesh
 - ☐ D. Veerabhadran Ramanathan

Q.82 Which of the following financial organisations was awarded for the digital initiatives 'Pravaah' and 'Sarathi' in March 2025?

- Ans**
- ☐ A. Securities and Exchange Board of India (SEBI)
 - ☐ B. National Payments Corporation of India (NPCI)
 - ☐ C. National Bank for Agriculture and Rural Development (NABARD)
 - ☒ D. Reserve Bank of India (RBI)

Q.83 The Parliament of India passed the Immigration and Foreigners Bill in April _____.

- Ans**
- ☒ A. 2025
 - ☐ B. 2021
 - ☐ C. 2024
 - ☐ D. 2023

Q.84 What historic milestone did Sajan Prakash achieve before receiving the Arjuna Award in 2024?

- Ans**
- ☐ A. First Indian swimmer to win an Olympic medal
 - ☐ B. Only swimmer to compete in both Summer and Commonwealth Games
 - ☐ C. Youngest Indian swimmer to qualify for Olympics
 - ☒ D. First Indian swimmer to breach the FINA "A" qualification time

Q.85 In June 2025, the Multi-Purpose Decontamination System technology was transferred to which companies?

- Ans**
- ☐ A. Bharat Forge and Metaltech Motor Bodies Pvt Ltd
 - ☒ B. Dass Hitachi Ltd and Goma Engineering Pvt Ltd
 - ☐ C. Bharat Electronics Ltd and Tata Advanced Systems Ltd
 - ☐ D. BEML Ltd and Bharat Electronics Ltd

Q.86 At which of the following institutes did Dr. V Narayanan, Chairman, Indian Space Research Organisation (ISRO), launch a new research centre on 17 March 2025 to promote self-reliance in advanced space technologies?

- Ans**
- ☐ A. Indian Institute of Technology Bombay (IIT Bombay)
 - ☐ B. Indian Institute of Technology Kanpur (IIT Kanpur)
 - ☒ C. Indian Institute of Technology Madras (IIT Madras)
 - ☐ D. Indian Institute of Technology Guwahati (IIT Guwahati)

Q.87 In which city was the AI Action Summit, 2025, held in February, 2025?

- Ans**
- ☐ A. New York City, USA
 - ☐ B. London, United Kingdom
 - ☒ C. Paris, France
 - ☐ D. Seoul, South Korea

Q.88 On 18 October 2025, Defense Minister Rajnath Singh and UP Chief Minister Yogi Adityanath jointly flagged off the first batch of BrahMos missiles from the BrahMos Integration and Testing Facility Centre in ____.

- Ans**
- ☐ A. Agra
 - ☒ B. Lucknow
 - ☐ C. Kanpur
 - ☐ D. Ghaziabad

Q.89 In July 2025, the Defence Research and Development Organisation successfully executed flight tests of the Unmanned Aerial Vehicle Launched Precision Guided Missile (ULPGM)-V3 at the National Open Area Range testing facility in ____.

- Ans**
- ☐ A. Chennai, Tamil Nadu
 - ☐ B. Hyderabad, Telangana
 - ☒ C. Kurnool, Andhra Pradesh
 - ☐ D. Bengaluru, Karnataka

Q.90 As per the Union Budget 2025-26, how much enhanced credit has been allocated to farmers, fishermen and dairy farmers via KCC (Kisan Credit Card)?

- Ans**
- ☐ A. ₹4 lakhs
 - ☒ B. ₹5 lakhs
 - ☐ C. ₹6 lakhs
 - ☐ D. ₹3 lakhs

Q.91 The Ministry of Home Affairs (MHA) notified new rules for cancelling Overseas Citizens of India registration in August 2025. Under which Act are these rules issued?

- Ans**
- ☐ A. Foreigners Act, 1946
 - ☒ B. Citizenship Act, 1955
 - ☐ C. Indian Penal Code, 1860
 - ☐ D. Passport Act, 1967

Q.92 How much percentage of the rural population has access to all-season roads in India in the Sustainable Development Report 2025?

- Ans**
- ☐ A. 93.7%
 - ☒ B. 99.0%
 - ☐ C. 89.9%
 - ☐ D. 95.6%

Q.93 How many para-athletes received the Arjuna Award in January 2025?

- Ans**
- ☐ A. 12
 - ☒ B. 17
 - ☐ C. 15
 - ☐ D. 20

Q.94 According to Centre for Legal Action and Behaviour Change (C-LAB's) June 2025 report, which Indian state reported the highest number of child labour rescues in 2024-25?

- Ans**
- ☐ A. Bihar
 - ☒ B. Telangana
 - ☐ C. Uttar Pradesh
 - ☐ D. Rajasthan

Q.95 Who among the following co-authored the book "Original Sin" published in May 2025?

- Ans**
- ☐ A. Dan Brown & Errol D'Cruz
 - ☒ B. Jake Tapper & Alex Thompson
 - ☐ C. P D James & Gideon Haigh
 - ☐ D. Kathryn Paige Harden & K Arumugam

Q.96 Coco Gauff won the women's singles title at the French Open held in June 2025. She represents which country?

- Ans**
- ☐ A. The United Kingdom
 - ☐ B. Canada
 - ☐ C. Australia
 - ☒ D. The United States of America

Q.97 On 17 January 2025, how many athletes were honoured with the Major Dhyan Chand Khel Ratna award?

- Ans**
- ☐ A. 2
 - ☐ B. 3
 - ☐ C. 7
 - ☒ D. 4

Q.98 Which organisation launched the 'Bharatpol' platform in 2025 to facilitate communication between the Indian police and Interpol?

- Ans**
- ☐ A. National Bank for Agriculture and Rural Development (NABARD)
 - ☒ B. Central Bureau of Investigation (CBI)
 - ☐ C. Securities and Exchange Board of India (SEBI)
 - ☐ D. National Informatics Centre (NIC)

Q.99 In September 2025, which ministry organised the Swachh Vayu Sarvekshan Awards and Wetland Cities Recognition Ceremony?

- Ans**
- ☐ A. Ministry of Agriculture and Farmers' Welfare
 - ☐ B. Ministry of Housing and Urban Affairs
 - ☐ C. Ministry of Jal Shakti
 - ☒ D. Ministry of Environment, Forest and Climate Change

Q.100 Who won the Sahitya Akademi Award 2025 for writing on exploring the tribal voices of Jharkhand in rural Indian society?

- Ans**
- ☒ A. Parvati Tirkey
 - ☐ B. Perumal Murugan
 - ☐ C. Ruskin Bond
 - ☐ D. Geetanjali Shree



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	16/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The correct order of reactivity of the following metals is:

K, Mg, Al, Zn

- Ans
- ☐ A. $K > Al > Mg > Zn$
 - ☐ B. $Zn > Mg > Al > K$
 - ☐ C. $Mg > K > Zn > Al$
 - ☒ D. $K > Mg > Al > Zn$

Q.2 The discovery of which subatomic particle led to the development of Thomson's model?

- Ans
- ☐ A. Positron
 - ☐ B. Proton
 - ☒ C. Electron
 - ☐ D. Neutron

Q.3 Which of the following statements about sexual reproduction in animals is correct?

- Ans
- ☐ A. Fertilisation in animals always occurs outside the female body.
 - ☒ B. Sexual reproduction involves the fusion of male and female gametes.
 - ☐ C. Sexual reproduction involves only one parent and produces identical offspring.
 - ☐ D. All animals reproduce sexually during their entire life span.

Q.4 From the collected samples of the following solutions from the science laboratory, the correct acid-base pair may be categorised as:

- Ans
- ☒ A. acetic acid (CH_3COOH) and sodium hydroxide ($NaOH$)
 - ☐ B. magnesium hydroxide [$Mg(OH)_2$] and ammonium hydroxide (NH_4OH)
 - ☐ C. sulphuric acid (H_2SO_4) and nitric acid (HNO_3)
 - ☐ D. calcium hydroxide [$Ca(OH)_2$] and potassium hydroxide (KOH)

Q.5 Which of the following is NOT an example of a heterogeneous mixture?

- Ans
- ☒ A. Vinegar
 - ☐ B. Sand and salt
 - ☐ C. Water in oil
 - ☐ D. Sand and sugar

Q.6 Which metal is placed at the starting of the reactivity series?

- Ans**
- ☐ A. Aluminium
 - ☐ B. Gold
 - ☒ C. Potassium
 - ☐ D. Iron

Q.7 Which of the following instruments is NOT based on Archimedes' principle?

- Ans**
- ☐ A. Lactometer
 - ☒ B. Ammeter
 - ☐ C. Submarine
 - ☐ D. Hydrometer

Q.8 Ozone protects the Earth from _____ radiation of the sun.

- Ans**
- ☐ A. cosmic
 - ☐ B. gamma
 - ☐ C. infrared
 - ☒ D. ultraviolet

Q.9 Which of the following cells change shape by changing the amount of water in them?

- Ans**
- ☒ A. Plant cell
 - ☐ B. Striated muscle cell
 - ☐ C. Smooth muscle cell
 - ☐ D. Cardiac muscle cell

Q.10 In a running race, a boy starts at rest and reaches 60 m/s velocity in 5 min. If acceleration is uniform, the acceleration and distance covered by the boy during this period are _____ and _____, respectively.

- Ans**
- ☐ A. 12 m/s² and 9000 m
 - ☐ B. 20 m/s² and 9 km
 - ☒ C. 0.2 m/s² and 9 km
 - ☐ D. 0.2 m/s² and 600 m

Q.11 If the speed of an object is doubled, its kinetic energy _____.

- Ans**
- ☒ A. becomes four times
 - ☐ B. becomes double
 - ☐ C. remains the same
 - ☐ D. becomes half

Q.12 A convex lens produces a magnification of (– 2), when an object is placed at a distance X cm from it. If the image distance is 40 cm, then what is the value of X?

- Ans**
- ☐ A. + 20 cm
 - ☒ B. – 20 cm
 - ☐ C. – 80 cm
 - ☐ D. + 80 cm

Q.13 During inheritance studies, how many copies of the factor was proposed by Mendel, which was controlling traits present in sexually reproducing organisms?

- Ans**
- ☐ A. One
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. Four

Q.14 How does surface area affect the rate of evaporation?

- Ans
- ☐ A. Evaporation only occurs with liquids in closed containers
 - ☐ B. Smaller surface area increases evaporation
 - ☒ C. Larger surface area increases evaporation
 - ☐ D. Surface area has no effect

Q.15 Why clove oil is used as an olfactory indicator?

- Ans
- ☐ A. Different colour effervescences are observed in acidic and basic medium.
 - ☒ B. It gives a different smell in acidic and basic medium.
 - ☐ C. Vigorous fuming of different colours is observed in acidic and basic medium.
 - ☐ D. It gives a different colour in acidic and basic medium.

Q.16 Which of the following statements is NOT correct?

- Ans
- ☒ A. Reverberation helps improve clarity of sound.
 - ☐ B. Reverberation occurs due to multiple reflections of sound.
 - ☐ C. Reverberation is common in large halls with hard walls.
 - ☐ D. Excessive reverberation can disturb speech.

Q.17 If a current of 4 A flows through a resistor of 50 Ω for 8 minutes, the heat produced is _____.

- Ans
- ☐ A. 288 kJ
 - ☐ B. 96 kJ
 - ☐ C. 192 kJ
 - ☒ D. 384 kJ

Q.18 Two resistors, R_1 and R_2 , are connected in parallel. Their equivalent resistance is 5 Ω . When one of them is removed, the resistance of the circuit increases to 10 Ω . Which of the following is the correct value of the other resistor?

- Ans
- ☐ A. 20 Ω
 - ☐ B. 15 Ω
 - ☒ C. 10 Ω
 - ☐ D. 5 Ω

Q.19 Which of the following is parenchyma type and present in aquatic plants, with large air cavities to help them float?

- Ans
- ☐ A. Chlorenchyma
 - ☒ B. Aerenchyma
 - ☐ C. Companion cell
 - ☐ D. Tracheid

Q.20 Which type of compound is formed when sodium reacts with chlorine?

- Ans
- ☐ A. Coordinate compound
 - ☒ B. Ionic compound
 - ☐ C. Covalent compound
 - ☐ D. Metallic compound

Q.21 Which of the following statements is true about ligaments?

- Ans
- ☐ A. Ligaments do not connect bones to bones and are very elastic.
 - ☐ B. Ligaments are not highly flexible connective tissues connecting two bones.
 - ☒ C. Ligaments connect bones to bones and are very elastic with little matrix.
 - ☐ D. Ligaments connect muscles to bones and are highly flexible.

Q.22 If the velocity of an object changes from an initial value u to the final value v in time (t) , then what will be the acceleration (a) ?

- Ans**
- ☐ A. $a = t/(v - u)$
 - ☐ B. $a = v/(u - t)$
 - ☐ C. $a = (v - u) \times t$
 - ☒ D. $a = (v - u)/t$

Q.23 Which of the following is NOT a membrane bound organelle in eukaryotic cells?

- Ans**
- ☐ A. Chromoplast
 - ☐ B. Vacuole
 - ☒ C. Ribosome
 - ☐ D. Lysosome

Q.24 The centre of curvature of a concave mirror is:

- Ans**
- ☒ A. The geometric centre of the spherical surface of which the mirror is a part
 - ☐ B. The midpoint of the mirror's aperture
 - ☐ C. The point where parallel rays of light meet after reflection
 - ☐ D. The point on the principal axis where image of an object at infinity is formed

Q.25 Contraceptive devices such as the loop or the copper-T are placed in which part of the human body?

- Ans**
- ☐ A. Ovary
 - ☐ B. Heart
 - ☐ C. Kidney
 - ☒ D. Uterus

Section : Mathematics

Q.26 One pipe can fill a tank in 8 minutes, while another pipe can empty the completely filled tank in 16 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 17
 - ☐ B. 16
 - ☐ C. 9
 - ☒ D. 8

Q.27 A shopkeeper buys a toy for ₹200 and sells it for ₹280. What is his profit percentage?

- Ans**
- ☒ A. 40%
 - ☐ B. 45%
 - ☐ C. 35%
 - ☐ D. 30%

Q.28 A byke travels 80 km at the speed of 40 km/hr and the next 30 km at the speed of 10 km/hr. What is its average speed (in km/hr)?

- Ans**
- ☐ A. 16
 - ☒ B. 22
 - ☐ C. 26
 - ☐ D. 28

Q.29 The mother of two sons is 20 years older than her elder son. Five years from now, the elder son will be twice as old as the younger son, and the ratio of their current ages is 3 : 1. What is the current age (in years) of the mother?

- Ans ☒ A. 30
☒ B. 35
☒ C. 25
☒ D. 40

Q.30 The simplified value of the expression $[(18 + 6) \div 3 \times 2 - 4] \times$

◀ ▶

- Ans ☒ A. 158
☒ B. 152
☒ C. 148
☒ D. 162

Q.31 A hole can empty a full tank in 1 hour. To maintain the level of water in the tank, 3 filling pipes of equal efficiency are required. How many more such filling pipes are required so that an empty tank gets filled in 3 hours?

- Ans ☒ A. 2
☒ B. 1
☒ C. 3
☒ D. 0

Q.32 A set of data is given, the mean of the set is 40 while the median is set

◀ ▶

- Ans ☒ A. 130
☒ B. 140
☒ C. 120
☒ D. 110

Q.33 If 20% of a number is added to 96, then the result is the same number. 80% of the same number is:

- Ans ☒ A. 116
☒ B. 126
☒ C. 106
☒ D. 96

Q.34 The radius of a road roller is 1 m, and its length is $\frac{21}{22}$ m. When it is r
 However, it was found that on 10% of the ground, the roller rolled tw

$\left(\text{Use } \pi = \frac{22}{7}, \text{ and round off your answer to two decimal places} \right)$

◀ ▶

- Ans ☒ A. 3272.73
☒ B. 3200.75
☒ C. 3460.25
☒ D. 3287.43

Q.35 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Nirmal borrowed an amount of ₹2,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Nirmal after 2 years.

- Ans**
- ☐ A. 20,200
 - ☐ B. 18,700
 - ☒ C. 19,200
 - ☐ D. 20,700

Q.36 Which of the following ratios is equivalent to 5 : 3?

- Ans**
- ☐ A. 48 : 33
 - ☒ B. 50 : 30
 - ☐ C. 125 : 85
 - ☐ D. 53 : 31

Q.37 The price of fuel decreases by 35%, 60% and 10% in three successive months but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans**
- ☐ A. Increases by 67.46%
 - ☒ B. Decreases by 61.39%
 - ☐ C. Increases by 63.54%
 - ☐ D. Decreases by 60.08%

Q.38 A dealer marks his goods at 50% above the cost price and allows a discount of 52% on the marked price. What is his loss percentage?

- Ans**
- ☐ A. 29%
 - ☐ B. 26%
 - ☐ C. 27%
 - ☒ D. 28%

Q.39 Find the smallest number to be added to 1000 so that 45 divides the sum exactly.

- Ans**
- ☒ A. 35
 - ☐ B. 10
 - ☐ C. 25
 - ☐ D. 30

Q.40 The arithmetic mean of the observations 35, 26, 56, 41, 56, 46, 34, 16 and 68 is:

- Ans**
- ☒ A. 42
 - ☐ B. 43
 - ☐ C. 39
 - ☐ D. 50

Q.41 P is any point inside the rectangle ABCD. If PA = 87 cm, PB = 12 cm and PC = 96 cm, then the length of PD (in cm) is equal to:

- Ans**
- ☐ A. 124
 - ☒ B. 129
 - ☐ C. 130
 - ☐ D. 126

Q.42 Zubeda's income is ₹1,20,000. She spends 20% on accommodation, 35% on household expenses, and 25% on other activities. She saves the remaining amount. What are her total savings?

- Ans ☒ A. ₹24,000
☐ B. ₹26,000
☐ C. ₹30,000
☐ D. ₹29,000

Q.43 A solid wooden cuboid of dimensions 60 cm × 45 cm × 30 cm is cut completely into smaller cubes of side 5 cm each. Find the number of smaller cubes formed.

- Ans ☐ A. 584
☒ B. 648
☐ C. 920
☐ D. 622

Q.44 The cost price of a box of marker is ₹3,300. The shopkeeper gives 75% of discount on the cost price. What will be the selling price (in ₹)?

- Ans ☒ A. 825
☐ B. 812
☐ C. 865
☐ D. 883

Q.45 If $\operatorname{cosec} A = \frac{5}{4}$, then the value of $\sin 2A + 2\cos 2A$ is:

- Ans ☐ A. 4/5
☐ B. 9/5
☒ C. 2/5
☐ D. 7/5

Q.46 2 pens and 3 pencils cost ₹35, and 3 pens and 2 pencils cost ₹40. Find the cost of 3 pencils.

- Ans ☐ A. ₹30
☒ B. ₹15
☐ C. ₹18
☐ D. ₹12

Q.47 Simplify $\frac{(64x^2 - 49)}{8x - 7} - 8x$.

- Ans ☐ A. $8x + 7$
☐ B. $-16x$
☒ C. 7
☐ D. $16x + 7$

Q.48 The value of $\frac{((0.66)^3 - (0.22)^3)}{((0.66)^2 + 0.1452 + (0.22)^2)}$ is:

- Ans ☒ A. 0.44
☐ B. 100
☐ C. 10
☐ D. 1

Q.49 Two trains, 163 m and 117 m long, are moving in the same direction at speeds of 93 km/hr and 33 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

- Ans** ☒ A. 15 seconds
☒ B. 16.8 second
☒ C. 18 seconds
☒ D. 8 seconds

Q.50 ₹3,596 is to be divided among three persons M, N and T. If the shares of M and N are in the ratio 6 : 8 and that of N and T are in the ratio 9 : 6, what is the share (in ₹) of N?

- Ans** ☒ A. 1,486
☒ B. 1,488
☒ C. 1,489
☒ D. 1,487

Section : General Intelligence and Reasoning

Q.51 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 letter-cluster pair 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. LS – JO
☒ B. RJ – TF
☒ C. KP – ML
☒ D. DM – FI

Q.52 What should come in place of the question mark (?) in the given series?

221 223 227 233 241 ?

- Ans** ☒ A. 255
☒ B. 249
☒ C. 253
☒ D. 251

Q.53 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SINK - ISNK - KISN
PLAY - LPAY - YLPA

- Ans** ☒ A. NAME - ANME - EAMN
☒ B. READ - ERAD - DERA
☒ C. YOUR - OYUR - OURY
☒ D. WAIT - WIAT - TIAW

Q.54 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 letter-cluster pair 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. OR - LO
☒ B. QT - NP
☒ C. IL - FI
☒ D. MP - JM

Q.55 What should come in place of the question mark (?) in the given series?

273 274 266 267 259 260 ?

- Ans ☒ A. 251
☒ B. 252
☒ C. 253
☒ D. 250

Q.56 Aditya starts from Point A and drives 10 km towards the north. He then takes a right turn, drives 10 km, turns right and drives 20 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 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 degrees turns only, unless specified.)

- Ans ☒ A. 3 km towards west
☒ B. 7 km towards north
☒ C. 7 km towards east
☒ D. 9 km towards south

Q.57 What should come in place of the question mark (?) in the given series?

88 91 97 106 118 ?

- Ans ☒ A. 131
☒ B. 125
☒ C. 133
☒ D. 135

Q.58 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:

All teas are golds.

No tea is a helmet.

Conclusions:

(I): Some helmets are golds.

(II): All golds are helmets.

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

Q.59 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 28, 15)

(29, 102, 17)

- Ans ☒ A. (47, 142, 3)
☒ B. (37, 115, 1)
☒ C. (4, 20, 5)
☒ D. (7, 34, 10)

Q.60 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.
 (Left) 3 & 6 © 3 6 © € % 6 & 4 9 5 4 % € £ \$ % 9 1 (Right)
 How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans** ☒ A. 3
☒ B. 1
☒ C. 2
☒ D. 4

Q.61 Seven people B, C, D, I, J, K, and L are sitting around a circular table facing the centre of the table. L sits third to the left of I. Only one person sits between K and B, when counted from the left of B. C sits third to the right of D. C sits to the immediate right of L. J is not an immediate neighbour of L. How many people sit between J and B, when counted from the right of J?

- Ans** ☒ A. Two
☒ B. Four
☒ C. One
☒ D. Three

Q.62 In a certain code language, 'shirt mug care' is coded as 'eu cp zi' and 'zebra shirt ghost' is coded as 'cp eb il'. How is 'shirt' coded in the given language?

- Ans** ☒ A. zi
☒ B. cp
☒ C. eu
☒ D. eb

Q.63 A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. The correct combination of codes following the conditions is your answer.

Note: If none of the conditions apply, then the codes for the respective number/symbol are to be followed directly as given in the table.

Numbers/symbols	%	6	2	8	*	3	&	7	@	9	\$	5	+	4
Codes	U	G	W	D	F	K	L	S	V	B	E	J	H	C

Conditions:

(i) If the first element is a symbol and the last element a perfect square, the codes for these two (the first and last elements) are to be interchanged.

(ii) If both the second and third elements are symbols, the third element is to be coded as the code for the second element.

(iii) If the first element is a symbol and the fourth element is an odd number, the first and fourth elements are to be coded as ©.

What will be the code for the following group?

% 5 * 7 \$

- Ans** ☒ A. E J F S U
☒ B. © J F S ©
☒ C. © J F © E
☒ D. U J J S E

Q.64 In a certain code language,
P + Q means 'P is the mother of Q',
P # Q means 'P is the sister of Q',
P & Q means 'P is the brother of Q' and
P % Q means 'P is the father of Q'.

How is D related to W if 'D & E # F % L & W'?

- Ans**
- ☐ A. Father's mother
 - ☐ B. Mother's brother
 - ☒ C. Father's brother
 - ☐ D. Mother's father

Q.65 Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of E. Only one person sits between A and C. F sits to the immediate left of E. A sits to the immediate right of D. C sits third to the right of B. Who sits at the extreme left end of the row?

- Ans**
- ☐ A. D
 - ☐ B. C
 - ☐ C. E
 - ☒ D. B

Q.66 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QCW, SDU, UES, WFQ, ?

- Ans**
- ☐ A. XGP
 - ☐ B. XHO
 - ☐ C. YHP
 - ☒ D. YGO

Q.67 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 6 6 4 1 8 4 9 6 4 9 7 2 2 7 1 4 1 8 7 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. 2
 - ☒ B. 3
 - ☐ C. 4
 - ☐ D. 1

Q.68 VK 12 is related to ZP 16 in a certain way. In the same way, RG 15 is related to VL 19. To which of the following is MB 24 related, following the same logic?

- Ans**
- ☐ A. SG 29
 - ☒ B. QG 28
 - ☐ C. PJ 28
 - ☐ D. PH 29

Q.69 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing the north. Only two people sit to the left of A. Only three people sit between A and G. D sits second to the right of A. Only two people sit between D and C. E sits at some place to the right of F but at some place to the left of B. How many people sit to the right of C?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☒ D. 5

Q.70 WPGGB is related to AKKW in a certain way based on the English alphabetical order. In the same way, MVWH is related to QQAC. To which of the following options is YGIS related, following the same logic?

- Ans**
- ☐ A. CBMJ
 - ☒ B. CBMN
 - ☐ C. CNJI
 - ☐ D. CBNJ

Q.71 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CER121, IKX98, OQD75, UWJ52, ?

- Ans**
- ☐ A. ADP29
 - ☒ B. ACP29
 - ☐ C. BCP29
 - ☐ D. ACQ29

Q.72 Town P is to the west of Town Q. Town R is to the north of Town P. Town S is to the east of Town R. Town T is to the south of Town S. Town Q is to the southeast of Town T. What is the position of Town P with respect to Town T?

- Ans**
- ☐ A. Northeast
 - ☐ B. Northwest
 - ☐ C. Southeast
 - ☒ D. Southwest

Q.73 Refer to the following number and symbol series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 1 5 7 8 = 6 9 2 + 5 7 3 % 7 8 \$ 4 1 5 # 8 @ & 4 9 6 (Right)

How many such symbols are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☐ A. Two
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. One

Q.74 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from Left to Right only.

(Left) 5 8 7 7 6 3 5 4 8 8 6 2 5 9 2 7 2 4 4 9 9 (Right)

How many such odd digits are there each of which is immediately preceded by a perfect square and also immediately followed by an odd digit?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. One

Q.75 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?

36 B 39 A 39 D 48 C 20 = ?

- Ans**
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 7
 - ☒ D. 10

Q.76 If 'E' stands for '+', 'F' stands for '-', 'G' stands for 'x' and 'H' stands for '+', what will come in place of question mark '?' in the following equation?

50 E 36 H 6 F 8 G 2 = ?

- Ans**
- ☒ A. 38
 - ☒ B. 44
 - ☒ C. 40
 - ☒ D. 42

Q.77 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept between M and O. Only N is kept above S. No box is kept below O. R is kept at some place below P but at some place above Q. Which box is kept third above Q?

- Ans**
- ☒ A. P
 - ☒ B. M
 - ☒ C. N
 - ☒ D. S

Q.78 All 20 students in a class are standing in a row facing north. Raveena is 10th from the right end while Deepa is 4th from the left end. How many people stand between Raveena and Deepa?

- Ans**
- ☒ A. 7
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 5

Q.79 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?

441 D 444 C 21 A 21 B 441 = ?

- Ans**
- ☒ A. 438
 - ☒ B. 525
 - ☒ C. 665
 - ☒ D. 450

Q.80 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:

All hammers are jacks.

All hammers are metals.

Conclusions:

(I) Some jacks are metals.

(II) All metals are hammers.

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

Section : General Awareness and Current Affairs

Q.81 In 2025, why did National Bank for Agriculture and Rural Development (NABARD) and Indian Council of Agricultural Research (ICAR) sign an agreement?

- Ans**
- ☐ A. To launch online banking websites
 - ☐ B. To study city temperatures
 - ☒ C. To improve farming that can handle climate change
 - ☐ D. To train people for emergencies

Q.82 Which Paralympic swimmer won a Laureus award in 2025 for disability sport?

- Ans**
- ☒ A. Jiang Yuyan
 - ☐ B. Yuto Horigome
 - ☐ C. Chloe Kim
 - ☐ D. Anna Grimaldi

Q.83 The Indian Navy's home-built Shivalik-class stealth frigate equipped with guided missiles that took part in the JAIMEX-25 naval exercise held from 16 to 18 October 2025 was _____.

- Ans**
- ☒ A. INS Sahyadri
 - ☐ B. INS Shivalik
 - ☐ C. INS Satpura
 - ☐ D. INS Kolkata

Q.84 The 10th Governing Council Meeting of NITI Aayog on 24 May 2025 was held in which city of India?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Surat
 - ☐ C. Jaipur
 - ☒ D. New Delhi

Q.85 What is the new upper limit for no personal income tax payable under the new tax regime as per Union Budget 2025-26?

- Ans**
- ☒ A. ₹12 lakh
 - ☐ B. ₹13 lakh
 - ☐ C. ₹11 lakh
 - ☐ D. ₹10 lakh

Q.86 In 2025, which ministry of the Government of India organised Swachh Vayu Sarvekshan for ranking air quality in Indian cities?

- Ans**
- ☐ A. Ministry of Education
 - ☒ B. Ministry of Environment
 - ☐ C. Ministry of Home Affairs
 - ☐ D. Ministry of Finance

Q.87 In 2025, which of the following new mottos was adopted by the Lokpal of India?

- Ans**
- ☐ A. Transparency for All
 - ☐ B. Integrity is Strength
 - ☒ C. Empower Citizens, Expose Corruption
 - ☐ D. Fight Corruption, Build Nation

Q.88 On which date was World Malaria Day 2025 observed with the theme Malaria Ends with Us: Reinvest, Reimagine, Reignite?

- Ans**
- ☐ A. April 10
 - ☒ B. April 25
 - ☐ C. May 5
 - ☐ D. March 22

Q.89 Who among the following was awarded the Arjuna Award in 2025 for their performance in para-athletics?

- Ans**
- ☒ A. Deepthi Jeevanji
 - ☐ B. Gukesh D
 - ☐ C. Harmanpreet Singh
 - ☐ D. Manu Bhaker

Q.90 As per the Economic Survey 2024–25, which scheme electrified over 18,000 villages in rural India?

- Ans**
- ☐ A. Unnat Jyoti by Affordable LEDs for All (UJALA)
 - ☒ B. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)
 - ☐ C. Pradhan Mantri Nayi Roshni Yojana (PMNRY)
 - ☐ D. Ujwal Discom Assurance Yojana (UDAY)

Q.91 What is the name of India's proposed space station?

- Ans**
- ☐ A. ISRO Sky Lab Station
 - ☐ B. Indian Orbital Base Station
 - ☒ C. Bharatiya Antariksh Station
 - ☐ D. Vyom Station

Q.92 In June 2025, with which of the following countries did Kolkata-based Garden Reach Shipbuilders and Engineers Limited (GRSE) sign an MoU to build the India's first ever Polar Research Vessel (PRV) indigenously?

- Ans**
- ☐ A. Belgium
 - ☒ B. Norway
 - ☐ C. Austria
 - ☐ D. Malta

Q.93 Who set a new world record by becoming the first man to cross 75 metres in discus throw at the World Athletics Continental Tour in Ramona, April 2025?

- Ans**
- ☐ A. Gerd Kanter
 - ☒ B. Mykolas Alekna
 - ☐ C. Kristjan Čeh
 - ☐ D. Robert Harting

Q.94 Which Indian Navy ships took part in Operation Brahma in March 2025?

- Ans**
- ☐ A. INS Vikramaditya and INS Vishal
 - ☐ B. INS Vikrant and INS Arihant
 - ☒ C. INS Satpura and INS Savitri
 - ☐ D. INS Chennai and INS Kesari

Q.95 With which government did the Ministry of Environment, Forest and Climate Change sign a Memorandum of Cooperation on Joint Crediting Mechanism (JCM) under Article 6.2 of the Paris Agreement on Climate Change, in August 2025?

- Ans**
- ☐ A. Brazil
 - ☐ B. Germany
 - ☐ C. Belgium
 - ☒ D. Japan

Q.96 As of July 2025, what was the total quantity of narcotics seized in Jammu & Kashmir since 2018, under the Narcotic Drugs and Psychotropic Substances Act (NDPSA)?

- Ans**
- ☐ A. 19,353 kg
 - ☒ B. 1,12,000 kg
 - ☐ C. 87,713 kg
 - ☐ D. 27,000 kg

Q.97 What was the name of the new Indian Army Research Cell inaugurated at IIT Madras in August 2025?

- Ans**
- ☐ A. Agnivira
 - ☐ B. Agni Kavach
 - ☒ C. Agnishodh
 - ☐ D. Agnipath

Q.98 Which of the following two countries hosted the Second G20 Anti-Corruption Working Group in June 2025?

- Ans**
- ☐ A. South Africa and Germany
 - ☐ B. Indonesia and Brazil
 - ☐ C. India and South Africa
 - ☒ D. Brazil and South Africa

Q.99 Which of the following has been declared a Tiger Reserve in 2025?

- Ans**
- ☐ A. Dholpur – Karauli Tiger Reserve
 - ☐ B. Parambikulam Tiger Reserve
 - ☒ C. Madhav Tiger Reserve
 - ☐ D. Ranipur Tiger Reserve

Q.100 In which city were the Khelo India Para Games 2025, a significant event under the Khelo India scheme, held?

- Ans**
- ☐ A. Chennai
 - ☒ B. New Delhi
 - ☐ C. Kolkata
 - ☐ D. Mumbai



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Bhauti
Test Date	16/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Calcium hydroxide reacts slowly with the carbon dioxide in air to form a thin layer of which of the following substances that could be used for the purpose of whitewashing?

- Ans
- ☒ A. CaSO_4
 - ☒ B. CaCO_3
 - ☒ C. $\text{Ca}(\text{HCO}_3)_2$
 - ☒ D. CaO

Q.2 Rekha swims in a 40-metre-long pool. She swims from one end to the other and comes back, covering 80 metres in one minute along a straight path. What is her average velocity?

- Ans
- ☒ A. 40 m/min
 - ☒ B. 80 m/min
 - ☒ C. 20 m/min
 - ☒ D. 0 m/min

Q.3 A man rides a bicycle in a circular track of radius 10 m. He completes one round in 10 minutes. What is his average velocity?

- Ans
- ☒ A. 0.1 m/s
 - ☒ B. 6.2 m/s
 - ☒ C. 1 m/s
 - ☒ D. 0 m/s

Q.4 Which of the following structures is present at the surface of the rough endoplasmic reticulum membrane?

- Ans
- ☒ A. Chromosome
 - ☒ B. Ribosome
 - ☒ C. Cell wall
 - ☒ D. Plasma membrane

Q.5 Which of the following best demonstrates that there is a space between particles of matter?

- Ans ☒ A. Sugar dissolves in water
☐ B. A rubber band stretches
☐ C. Ice melts into water
☐ D. A piece of chalk breaks easily

Q.6 What is the atomic number of an element that has 17 electrons and 18 neutrons?

- Ans ☐ A. 18
☐ B. 35
☒ C. 17
☐ D. 1

Q.7 A force of 50 N acts perpendicular to a surface of area 0.1 m². What are the values of thrust and pressure exerted on the surface?

- Ans ☐ A. Thrust = 50.0 N ; Pressure = 25.0 Pa
☐ B. Thrust = 100.0 N ; Pressure = 50.0 Pa
☐ C. Thrust = 25.0 N ; Pressure = 100.0 Pa
☒ D. Thrust = 50.0 N ; Pressure = 500.0 Pa

Q.8 Which of the following explains the absence of recessive traits in the F₁ generation and their reappearance in the F₂ generation in Mendal's experiment?

- Ans ☐ A. Recessive traits skip generations randomly
☐ B. Recessive traits become dominant in F₂ generation.
☒ C. Recessive alleles are hidden in F₁ but reappear in F₂ due to segregation.
☐ D. Recessive traits are completely destroyed in the F₁ generation

Q.9 Which of the following statements correctly explains the phenomenon of dispersion?

- Ans ☒ A. Dispersion is the splitting of white light into its seven constituent colours as it passes through a glass prism.
☐ B. Dispersion is the scattering of light by colloidal particles.
☐ C. Dispersion is the bouncing back of light when it strikes a surface.
☐ D. Dispersion is the bending of light as a light ray of single wavelength goes from one medium to another.

Q.10 The blades of a windmill rotate because of which of the following?

- Ans ☐ A. Sound energy
☐ B. Light energy
☐ C. Elastic energy
☒ D. Wind's kinetic energy

Q.11 In the chlor-alkali process, what is given off at the anode?

- Ans ☐ A. Sodium Hydroxide
☐ B. Hydrogen gas
☒ C. Chlorine gas
☐ D. Nitrogen gas

Q.12 In the spectrum formed by dispersion of sunlight through a prism, which colour deviates the most?

- Ans ☒ A. Violet
☐ B. Red
☐ C. Green
☐ D. Yellow

Q.13 Which of the following statements is FALSE regarding cells?

- Ans**
- ☐ A. Cell shape is often related to its function.
 - ☐ B. Cells can be round, oval, spindle-shaped or branched.
 - ☐ C. Nerve cells are long to help in the conduction of impulses.
 - ☒ D. All cells are of the same size and shape.

Q.14 In which part of the neurons, is the first electrical impulse created?

- Ans**
- ☒ A. Dendrite
 - ☐ B. Axon
 - ☐ C. Nerve ending
 - ☐ D. Cell body

Q.15 Which of the following glands secretes growth hormones in human beings?

- Ans**
- ☐ A. Thyroid
 - ☒ B. Pituitary gland
 - ☐ C. Pineal gland
 - ☐ D. Pancreas

Q.16 External fertilisation is found in which of the following organisms?

- Ans**
- ☐ A. Hen
 - ☐ B. Human
 - ☐ C. Cow
 - ☒ D. Fish

Q.17 The main purpose of having a curved ceiling in a concert hall is to _____.

- Ans**
- ☐ A. Increase the pitch of music
 - ☒ B. Focus sound waves to reach all parts of the hall evenly
 - ☐ C. Prevent sound from entering the hall
 - ☐ D. Absorb all sound

Q.18 Which of the following statements correctly describes the direction of conventional electric current?

- Ans**
- ☐ A. The direction is random and charges flow in a constant way
 - ☐ B. From the negative terminal to the positive terminal of a cell
 - ☒ C. From the positive terminal to the negative terminal of a cell
 - ☐ D. The same as the direction of the electrons' flow

Q.19 What is the primary role of a 'functional group' in an organic compound?

- Ans**
- ☒ A. To provide the characteristic chemical properties of the compound
 - ☐ B. To change the carbon chain from straight to branched
 - ☐ C. To increase the molecular mass of the compound
 - ☐ D. To determine the physical state (solid, liquid, gas) of the compound

Q.20 Which of the following materials remains unchanged over long periods of time?

- Ans**
- ☐ A. Silk cloth bag
 - ☐ B. Jute bag
 - ☒ C. Plastic bag
 - ☐ D. Cotton cloth bag

Q.21 Tooth enamel made of calcium hydroxyapatite starts decaying when pH in mouth is lower than:

- Ans**
- ☐ A. 6.5
 - ☐ B. 7.5
 - ☐ C. 8.5
 - ☒ D. 5.5

Q.22 Which among the following covalent compounds will have the least number of shared electron pairs?

- Ans**
- ☒ A. H₂
 - ☐ B. N₂
 - ☐ C. CH₄
 - ☐ D. O₂

Q.23 Why does sexual reproduction result in greater variation among offspring?

- Ans**
- ☐ A. It occurs only in humans.
 - ☒ B. It allows combination of genetic material from two individuals.
 - ☐ C. It involves copying of identical DNA.
 - ☐ D. It produces exact replicas of the parent.

Q.24 A potential difference of 6 V is applied across the two ends of a conducting wire of resistance $R \Omega$. What will be the value of R if the current flowing through the wire is 2 A?

- Ans**
- ☐ A. 12
 - ☒ B. 3
 - ☐ C. $\frac{1}{3}$
 - ☐ D. $\frac{1}{12}$

Q.25 Select the correct statement with respect to 'particles of matter'.

- Ans**
- ☐ A. In solids, particles have more space between them.
 - ☐ B. In liquid, particles have no space between them.
 - ☒ C. Particles of matter move continuously.
 - ☐ D. Particles of matter are stationary.

Section : Mathematics

Q.26 When x is added to each of 25, 11, 34 and 13, then the numbers so obtained, in this order, are in proportion. Then, if $9x : y :: y : (8x - 7)$, and $y > 0$, what is the value of y?

- Ans**
- ☒ A. 63
 - ☐ B. 72
 - ☐ C. 70
 - ☐ D. 59

Q.27 A can complete a piece of work in 66 days. B is 45% less efficient than A. C is 50% more efficient than B. If B and C work together for 24 days, then A alone will complete the remaining work in:

- Ans**
- ☒ A. 33 days
 - ☐ B. 31 days
 - ☐ C. 36 days
 - ☐ D. 37 days

Q.28 The fraction form of the decimal number 0.595959 is:

- Ans
- ☐ A. $\frac{59}{100}$
 - ☐ B. $\frac{95}{99}$
 - ☐ C. $\frac{41}{100}$
 - ☒ D. $\frac{59}{99}$

Q.29 If the cost of 13 kg onions is ₹273, cost of 21 kg tomatoes is ₹462 and the cost of 27 kg potatoes is ₹ 594, then find the total cost of 21 kg onions, 25 kg tomatoes and 32 kg potatoes.

- Ans
- ☐ A. ₹1,675
 - ☒ B. ₹1,695
 - ☐ C. ₹1,655
 - ☐ D. ₹1,690

Q.30 The volume (in m^3) of a cuboidal tank with dimensions $13 \text{ m} \times 4 \text{ m} \times 9 \text{ m}$ is:

- Ans
- ☒ A. 468
 - ☐ B. 483
 - ☐ C. 453
 - ☐ D. 484

Q.31 If 20% of a number is added to 60, then the result is the same number. 80% of the same number is:

- Ans
- ☐ A. 80
 - ☒ B. 60
 - ☐ C. 90
 - ☐ D. 70

Q.32 One pipe can fill a tank in 8 minutes, while another pipe can empty the completely filled tank in 16 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-fourth of the tank?

- Ans
- ☐ A. 12
 - ☒ B. 4
 - ☐ C. 16
 - ☐ D. 8

Q.33 A class of 38 students took a Physics test. 14 students had an average score of 68. The remaining students had an average score of 73. What is the average score (rounded off to one decimal place) of the whole class?

- Ans
- ☐ A. 65.1
 - ☐ B. 78.3
 - ☒ C. 71.2
 - ☐ D. 61.8

Q.34 $\frac{1}{20}$ is what percentage of $\frac{10}{50}$?

- Ans
- ☐ A. 40%
 - ☐ B. 50%
 - ☐ C. 35%
 - ☒ D. 25%

Q.35 Simplify $(3x + 2)^2 + (3x - 2)^2$.

- Ans
- ☐ A. $9x^2 + 4$
 - ☐ B. $24x$
 - ☒ C. $18x^2 + 8$
 - ☐ D. $-24x$

Q.36 P is two years older than Q who is twice as old as R. If the total of the ages of P, Q and R be 27 years, then how old is Q?

- Ans
- ☐ A. 13 years
 - ☒ B. 10 years
 - ☐ C. 11 years
 - ☐ D. 12 years

Q.37 Nisha buys a mobile phone for her child. The phone is marked at ₹24,500 and is offered with two successive discounts of 20% and C%, respectively. After receiving both discounts, she pays ₹13,132. Find the value of C.

- Ans
- ☐ A. 32
 - ☒ B. 33
 - ☐ C. 34
 - ☐ D. 31

Q.38 If the profit on selling an article for ₹986 is the same as the loss incurred on selling it for ₹726, then the cost price of the article is:

- Ans
- ☒ A. ₹856
 - ☐ B. ₹760
 - ☐ C. ₹863
 - ☐ D. ₹870

Q.39 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 53% and that of the TV decreases by 55%, then what is the percentage change in the total cost of 8 washing machines and 2 TVs?

- Ans
- ☐ A. Increase by 15%
 - ☒ B. Increase by 17%
 - ☐ C. Decrease by 19%
 - ☐ D. Decrease by 11%

Q.40 The arithmetic mean of the observations 21, 23, 38, 99, 64, 35, 48, 52 and 16 is:

- Ans
- ☐ A. 47
 - ☒ B. 44
 - ☐ C. 53
 - ☐ D. 43

Q.41 A certain sum of money doubles itself in 16 years on simple interest. In how many years it will be six times?

- Ans
- ☐ A. 85
 - ☐ B. 65
 - ☒ C. 80
 - ☐ D. 75

Q.42 A girl is standing 15 m away from a vertical flagpole. She observes the top of the flagpole at an angle of elevation of 30° . Find the height of the flagpole.

- Ans ☒ A. $15\sqrt{3}$ m
☒ B. $5\sqrt{3}$ m
☒ C. $10\sqrt{3}$ m
☒ D. $\frac{1}{\sqrt{3}}$ m

Q.43 After allowing a discount of 60% on the marked price of an article, it is sold for ₹49,834. Find its marked price (in ₹).

- Ans ☒ A. 1,24,687
☒ B. 1,24,593
☒ C. 1,24,571
☒ D. 1,24,585

Q.44 Which of the following numbers is divisible by 49?

- Ans ☒ A. 7492470
☒ B. 6697359
☒ C. 7132979
☒ D. 7311476

Q.45 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 37.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 7 : 8, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans ☒ A. 3°
☒ B. 5°
☒ C. 6°
☒ D. 2°

Q.46 Walking at $\frac{3}{4}$ th of his normal speed from his home, Manish is 8 minutes late. The usual time taken by him to cover the distance between his home and office is _____ minutes.



- Ans ☒ A. 24 minutes
☒ B. 15 minutes
☒ C. 22 minutes
☒ D. 27 minutes

Q.47 How many seconds will a boy take to run one complete round around a square field of side 20 metres, if he runs at a speed of 9 km/hr?

- Ans ☒ A. 12
☒ B. 32
☒ C. 42
☒ D. 22

Q.48 Simplify: $\sqrt{5 + \sqrt{25} + 5^2 - 3^2} - \sqrt{4}$

- Ans ☒ A. $\sqrt{2}$
☒ B. 2
☒ C. $2\sqrt{3}$
☒ D. $\sqrt{8}$

Q.49 If the third proportional of 9 and 48 is x, then what is the value of x?

- Ans ☐ A. 255
☒ B. 256
☐ C. 254
☐ D. 259

Q.50 A solid brass sphere has a diameter of 10.5 cm. Find the cost of tin-plating its surface at a rate of ₹4 per 100 cm².

(Use $\pi = \frac{22}{7}$)

- Ans ☐ A. ₹13.84
☒ B. ₹13.86
☐ C. ₹13.81
☐ D. ₹13.16

Section : General Intelligence and Reasoning

Q.51 Mr. Zzz starts from Point A and drives 9 km towards the west. He then takes a left turn, drives 17 km, turns left and drives 18 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 9 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. 4 km to the south
☐ C. 5 km to the east
☐ D. 6 km to the north

Q.52 RTUR is related to TVWT in a certain way based on the English alphabetical order. In the same way, OQRO is related to QSTQ. To which of the given options is ACDA related, following the same logic?

- Ans ☐ A. CDEC
☒ B. CEFC
☐ C. CFEN
☐ D. CEEC

Q.53 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 conclusion(s) logically follow(s) from the statements.

Statements:

All apples are bikes.
All bikes are planes

Conclusion (I): All apples are planes.
Conclusion (II): All bikes are apples.

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

- Q.54** 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 conclusion(s) logically follow(s) from the statements.

Statements:

All cows are bulls.
All cows are horses.

Conclusions:

(I) Some bulls are horses.
(II) All horses are cows.

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

- Q.55** In a certain code language,

A ? B means 'A is the daughter of B',
A = B means 'A is the son of B',
A @ B means 'A is the father of B' and
A √ B means 'A is the sister of B'.

How is C related to L if 'C √ D = E @ F ? L'?

- Ans** ☒ A. Sister
☒ B. Mother
☒ C. Daughter
☒ D. Wife

- Q.56** Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 8 2 7 7 1 7 9 9 3 4 1 1 9 4 7 4 9 7 1 6 8 3 1 3 6 8 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☒ A. 3
☒ B. 1
☒ C. 0
☒ D. 2

- Q.57** Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) # 9 & 5 1 © * * * @ # & 7 & # \$ 8 & 3 1 @ € (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. 3
☒ B. 2
☒ C. 4
☒ D. 1

Q.58 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table. W sits third to the left of O. X sits second to the left of Y. O is the immediate neighbour of both N and X. P is not an immediate neighbour of W. How many people sit between M and X when counted from the right of M?

- Ans** ☒ A. One
☒ B. Four
☒ C. Two
☒ D. Three

Q.59 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MP33 KN41 IL49 GJ57 ?

- Ans** ☒ A. EH66
☒ B. EG65
☒ C. EH65
☒ D. EG66

Q.60 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☒ A. QL-PS
☒ B. SN-RV
☒ C. WR-VY
☒ D. UP-TW

Q.61 Which letter-cluster will replace the question mark (?) to complete the given series?

LKO OJQ RIS UHU ?

- Ans** ☒ A. XGW
☒ B. XGV
☒ C. YGW
☒ D. XFV

Q.62 In a certain code language, 'tooth queen zip' is coded as 'hj sx em' and 'zip arch ratio' is coded as 'pb hj od'. How is 'zip' coded in that language?

- Ans** ☒ A. em
☒ B. pb
☒ C. sx
☒ D. hj

Q.63 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 @ 2 ^ @ % \ 8 9 \ / ? 8 7 6 # & # + 7 \ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. One
☒ B. None
☒ C. Two
☒ D. Three

Q.64 NU 3 is related to QQ -11 in a certain way. In the same way, EL 7 is related to HH -7. To which of the given options is KP 11 related, following the same logic?

- Ans**
- ☐ A. NK -5
 - ☐ B. MK -3
 - ☐ C. ML -5
 - ☒ D. NL -3

Q.65 Each of the digits in the number 8234167 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ A. 9
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 6

Q.66 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. BED
 - ☐ B. SVU
 - ☒ C. RVT
 - ☐ D. KNM

Q.67 RHBA is related to UKHG in a certain way based on the English alphabetical order. In the same way, DTZY is related to GWFE. To which of the given options is MCRQ related, following the same logic?

- Ans**
- ☐ A. PSWE
 - ☒ B. PFXW
 - ☐ C. PXSO
 - ☐ D. PXSW

Q.68 Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only E is kept above D. Only P is kept between D and B. Only W is kept below T. How many boxes are kept between S and W?

- Ans**
- ☒ A. One
 - ☐ B. Four
 - ☐ C. Three
 - ☐ D. Two

Q.69 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$41 - 17 \div 133 + 375 \times 15 = ?$$

- Ans**
- ☐ A. 765
 - ☐ B. 825
 - ☐ C. 799
 - ☒ D. 805

Q.70 Town B is to the south of Town C. Town D is to the west of Town B. Town E is to the north of Town D. Town F is to the east of Town E. Town C is to the north-east of Town F. What is the position of Town B with respect to Town F?

- Ans**
- ☐ A. North-east
 - ☒ B. South-east
 - ☐ C. North-west
 - ☐ D. South-west

Q.71 In a certain code language, 'cup of tea' is coded as 'at rh si' and 'tea is hot' is coded as 'mk cp rh'. How is 'tea' coded in that language?

- Ans**
- ☐ A. mk
 - ☐ B. si
 - ☒ C. rh
 - ☐ D. at

Q.72 What should come in place of the question mark (?) in the given series?

13,22,40,67,103 ?

- Ans**
- ☐ A. 149
 - ☒ B. 148
 - ☐ C. 147
 - ☐ D. 150

Q.73 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of D. C sits third to the left of E. C is an immediate neighbour of D. F sits to the immediate left of B. How many people sit between E and F?

- Ans**
- ☐ A. Three
 - ☐ B. None
 - ☒ C. One
 - ☐ D. Two

Q.74 What should come in place of the question mark (?) in the given series?

436 438 440 442 444 ?

- Ans**
- ☐ A. 447
 - ☐ B. 445
 - ☒ C. 446
 - ☐ D. 448

Q.75 Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. No one sits to the right of L. Only three people sit between B and L. Only one person sits between L and I. K sits to the immediate left of C. J is not an immediate neighbour of L. How many people sit to the right of D?

- Ans**
- ☐ A. Two
 - ☒ B. One
 - ☐ C. Four
 - ☐ D. Three

Q.76 What should come in place of the question mark (?) in the given series?

421 423 427 433 441 ?

- Ans**
- ☒ A. 449
 - ☒ B. 455
 - ☒ C. 451
 - ☒ D. 453

Q.77 Refer to the given number, symbol series and answer the question that follows.
Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) @ 6 1 * # 2 8 \$ 7 & £ 3 Ω 9 % 4 + 5 (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

- Ans**
- ☒ A. 2
 - ☒ B. 1
 - ☒ C. 4
 - ☒ D. 3

Q.78 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7284153, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ A. 10
 - ☒ B. 12
 - ☒ C. 8
 - ☒ D. 14

Q.79 Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and D. B is kept at one of the positions below A. Only E is kept between D and G. F is kept at one of the positions above D. How many boxes are kept below C?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. None

Q.80 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 5, 3)

(18, 3, 6)

- Ans**
- ☒ A. (14, 7, 4)
 - ☒ B. (17, 8, 2)
 - ☒ C. (16, 8, 2)
 - ☒ D. (11, 5, 6)

Q.81 The Constitution (Scheduled Castes) Order (Amendment) Bill, 2023 amends the Constitution (Scheduled Caste) Order 1950 with respect to which state?

- Ans**
- ☐ A. West Bengal
 - ☐ B. Karnataka
 - ☐ C. Kerala
 - ☒ D. Chhattisgarh

Q.82 Which of the following schemes aims at fostering innovation & technology development in defence and aerospace by engaging start-ups, MSMEs, academic institutes under the management of the Defence Innovation Organisation (DIO)?

- Ans**
- ☒ A. Innovations for Defence Excellence
 - ☐ B. Acing Development of Innovative Technologies with iDEX
 - ☐ C. Systematic Deposit Plan
 - ☐ D. Technology Development Fund

Q.83 On 29 April 2025, which new facility was launched by the National Center for Sports Science and Research (NCSSR) to revolutionise athlete rehabilitation in India?

- Ans**
- ☐ A. Khelo India Data Centre
 - ☒ B. Return to Play Facility
 - ☐ C. Sports Wellness Lab
 - ☐ D. Fit India Movement Hub

Q.84 The municipal corporation of which city launched India's first QR-Based Digital House Address System in July 2025?

- Ans**
- ☐ A. Hyderabad
 - ☐ B. Shimla
 - ☒ C. Indore
 - ☐ D. Jaipur

Q.85 In June 2025, which regulatory authority approved Lenacapavir for HIV prevention?

- Ans**
- ☐ A. European Medicines Agency
 - ☐ B. World Health Organization
 - ☐ C. Central Drugs Standard Control Organization
 - ☒ D. United States Food and Drug Administration

Q.86 Recognised for excellence in chess, which individual was honoured with the Major Dhyan Chand Khel Ratna Award in 2025?

- Ans**
- ☐ A. Harmanpreet Singh
 - ☐ B. Anish Sarkar
 - ☐ C. Praveen Kumar
 - ☒ D. Gukesh Dommaraju

Q.87 Which of the following organisations released the 8th issue of the publication titled 'EnviStats India 2025: Environment Statistics' in June 2025?

- Ans**
- ☒ A. Ministry of Statistics and Programme Implementation
 - ☐ B. Forest Institute of India
 - ☐ C. Ministry of Environment and Climate Change
 - ☐ D. National Green Tribunal

Q.88 Which Gram Panchayat received the Gold Award in the new category of the National e-Governance Awards 2025?

- Ans
- ☐ A. West Malsipur, Tripura
 - ☐ B. Kothur, Andhra Pradesh
 - ☐ C. Palsana, Gujarat
 - ☒ D. Rohini, Maharashtra

Q.89 Which of the following countries won the Presidency of International Institute of Administrative Sciences for the term 2025-28?

- Ans
- ☒ A. India
 - ☐ B. Germany
 - ☐ C. France
 - ☐ D. Austria

Q.90 The All India Chess Federation (AICF) launched which scheme to support young chess players from U-7 to U-19 age groups in 2025?

- Ans
- ☐ A. Chess Development Program
 - ☒ B. Top National Players Stipend Scheme
 - ☐ C. Youth Chess Empowerment Scheme
 - ☐ D. National Chess Talent Initiative

Q.91 What is the real Gross Domestic Product (GDP) growth for the year 2025-26 projected by the Reserve Bank of India (RBI)?

- Ans
- ☐ A. 8.5%
 - ☒ B. 6.5%
 - ☐ C. 7%
 - ☐ D. 7.5%

Q.92 Which of the following countries celebrated Poson Poya Honoring 2000 Years of Buddhism in June 2025?

- Ans
- ☒ A. Sri Lanka
 - ☐ B. Japan
 - ☐ C. India
 - ☐ D. China

Q.93 The Air India plane that crashed in Ahmedabad in June 2025 was flying to which city?

- Ans
- ☐ A. Tokyo
 - ☐ B. Paris
 - ☐ C. New York
 - ☒ D. London

Q.94 Who became the youngest player ever to win a WTA 1000 title on 22 February 2025?

- Ans
- ☐ A. Iga Świątek
 - ☐ B. Clara Tauson
 - ☐ C. Coco Gauff
 - ☒ D. Mirra Andreeva

- Q.95** In May 2025, the Defence Research and Development Organisation (DRDO) conducted combat firing (with reduced explosives) of the indigenous Multi-Influence Ground Mine with the _____.
- Ans** ☒ A. Indian Navy
☐ B. Indian Air Force
☐ C. Indian Army
☐ D. Border Security Force
- Q.96** According to Union Budget 2025–26, which state will get a new Greenfield Airports as part of infrastructure development?
- Ans** ☐ A. Gujarat
☐ B. Odisha
☒ C. Bihar
☐ D. Jharkhand
- Q.97** What was the unemployment rate for youth aged 15–29 in April 2025, as per Periodic Labour Force Survey (PLFS)?
- Ans** ☒ A. 12.3%
☐ B. 17.2%
☐ C. 10.7%
☐ D. 13.8%
- Q.98** Swachh Vayu Sarvekshan 2025, conducted under the National Clean Air Programme (NCAP), evaluated how many cities across India?
- Ans** ☐ A. 120 cities
☒ B. 130 cities
☐ C. 150 cities
☐ D. 100 cities
- Q.99** Who became the first female and first African President of the IOC in March 2025?
- Ans** ☐ A. Thomas Bach
☐ B. Juan Antonio Samaranch Jr.
☒ C. Kirsty Coventry
☐ D. Seb Coe
- Q.100** The AI Action Summit, co-chaired by France and India, was held in February 2025 at which iconic venue?
- Ans** ☒ A. Grand Palais, Paris
☐ B. Palais des Festivals, Cannes
☐ C. Bletchley Park, UK
☐ D. India Habitat Centre, Delhi



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Atchutapuram
Test Date	16/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 A biologist cuts a hydra into two unequal parts. One part has a fully formed bud. What is most likely to happen to the bud?

- Ans** ☒ A. The bud will mature into a new hydra
☒ B. The bud will turn into a spore
☒ C. The hydra will not survive
☒ D. The bud will die instantly

Q.2 What happens to a stone tied to a string and moving in a circular path when the string is suddenly released?

- Ans** ☒ A. It returns to its starting point
☒ B. It changes direction and moves in a zig-zag path
☒ C. It stops immediately
☒ D. It continues moving in the direction it was heading at the moment of release

Q.3 A car moves with uniform speed along a straight road. Its distance-time graph is:

- Ans** ☒ A. a curve concave upwards
☒ B. a curve concave downwards
☒ C. a straight line parallel to the time-axis
☒ D. a straight line inclined to the time-axis

Q.4 Which of the following plants can have buds in the margins of leaves?

- Ans** ☒ A. Peepal
☒ B. Mango
☒ C. Neem
☒ D. Bryophyllum

Q.5 Which of the following is an example of a combination reaction?

- Ans** ☒ A. $\text{CuSO}_4 + \text{BaCl}_2 \rightarrow \text{BaSO}_4 + \text{CuCl}_2$
☒ B. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$
☒ C. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$
☒ D. $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$

Q.6 When an acid reacts with a base, which of the following is/are always formed, regardless of the specific acid or base used?

- Ans**
- ☐ A. Carbon dioxide
 - ☐ B. Oxygen
 - ☐ C. Hydrogen gas
 - ☒ D. Salt and water

Q.7 What is the primary reason ores are enriched prior to the extraction of metals?

- Ans**
- ☐ A. To alter the internal crystal structure of the ore for conversion
 - ☐ B. To improve the final metal's resistance to corrosion and rust
 - ☐ C. To enhance the melting point of the mineral content for refining
 - ☒ D. To eliminate earthy impurities such as sand and unwanted rock

Q.8 Which of the following rules can be used to determine the direction of magnetic field due to a current carrying circular loop?

- Ans**
- ☐ A. Maxwell's Left Hand Rule
 - ☐ B. Flemming's Left Hand Rule
 - ☐ C. Flemming's Right Hand Rule
 - ☒ D. Right Hand Thumb Rule

Q.9 Which of the following statements correctly describes image formation by a convex mirror?

- Ans**
- ☐ A. When the object is at a finite distance, the image is formed beyond the centre of curvature, real and enlarged.
 - ☐ B. When the object is at infinity, the image is formed at the focus, real and inverted.
 - ☒ C. When the object is at a finite distance, the image is formed between the pole and focus, virtual and diminished.
 - ☐ D. When the object is at infinity, the image is formed at the pole and is real and inverted.

Q.10 The thalamus (receptacle) in flowers performs which of the following functions?

- Ans**
- ☐ A. Produces pollen grains.
 - ☐ B. Forms the ovules.
 - ☐ C. Produces nectar.
 - ☒ D. Supports flower parts and can become part of the fruit.

Q.11 If the frequency of a sound wave increases but its speed remains constant, then its wavelength will:

- Ans**
- ☒ A. Decrease
 - ☐ B. Increase
 - ☐ C. Remain the same
 - ☐ D. Become zero

Q.12 Which of the following activities best demonstrates that there is a force of attraction between particles of matter?

- Ans**
- ☒ A. Breaking a chalk stick
 - ☐ B. Compressing a sponge
 - ☐ C. Heating ice to form water
 - ☐ D. Dissolving sugar in water

Q.13 A battery of 12 V is connected in series with resistors of 1 Ω , 2 Ω , 3 Ω , 4 Ω and 10 Ω , respectively. How much current would flow through the 10 Ω resistor?

- Ans**
- ☐ A. 1.0 A
 - ☒ B. 0.6 A
 - ☐ C. 1.2 A
 - ☐ D. 12 A

Q.14 How many grams of sodium carbonate are produced when 112 g of sodium hydroxide reacts with 44 g of carbon dioxide, resulting in 18 g of water?

- Ans
- ☐ A. 132 g
 - ☐ B. 141 g
 - ☐ C. 143 g
 - ☒ D. 138 g

Q.15 What makes cartilage more flexible than bone in the human body?

- Ans
- ☒ A. It contains a fluid-like matrix.
 - ☐ B. It contains a matrix filled with fat.
 - ☐ C. It joins muscles to bones.
 - ☐ D. It contains a solid, protein-rich matrix.

Q.16 Which component(s) of blood is/are mainly responsible for transporting food, carbon dioxide and nitrogenous wastes?

- Ans
- ☐ A. Red blood corpuscles
 - ☒ B. Plasma
 - ☐ C. Platelets
 - ☐ D. White blood cells

Q.17 Which of the following is a converging lens?

- Ans
- ☐ A. Cylindrical lens
 - ☒ B. Convex lens
 - ☐ C. Planoconcave lens
 - ☐ D. Concave lens

Q.18 The reaction between CaO and H_2O is highly exothermic and produces Ca(OH)_2 . This is an example of:

- Ans
- ☐ A. Rearrangement reaction
 - ☒ B. Combination reaction
 - ☐ C. Double displacement reaction
 - ☐ D. Displacement reaction

Q.19 In which of the following parts of the human body do the epithelial cells have cilia?

- Ans
- ☐ A. Food pipe
 - ☐ B. Buccal cavity
 - ☐ C. Stomach wall
 - ☒ D. Respiratory tract

Q.20 Each succeeding member of the homologous series of alkane differs from the previous one by a unit that consists of:

- Ans
- ☐ A. two carbon and three hydrogens
 - ☐ B. one carbon and three hydrogens
 - ☐ C. two carbon and two hydrogens
 - ☒ D. one carbon and two hydrogens

Q.21 Read the given statements and select the most appropriate option.

Statements:

A: Coal and petroleum were formed from the degradation of bio-mass.

B: They are exhaustible resources.

- Ans**
- ☒ A. Both statements A and B are correct
 - ☐ B. Neither statement A nor B is correct
 - ☐ C. Only statement A is correct
 - ☐ D. Only statement B is correct

Q.22 The potential energy acquired by a balloon when we press it (changing its shape), or by a spring inside a toy car when wound, is possessed by virtue of the object's _____.

- Ans**
- ☐ A. constant speed
 - ☒ B. configuration
 - ☐ C. mass and volume
 - ☐ D. acceleration rate

Q.23 What is the primary function of the dendrites in a neuron?

- Ans**
- ☐ A. To create an electrical impulse
 - ☐ B. To form a synapse
 - ☐ C. To protect the neuron
 - ☒ D. To transmit signals from the axon to the cell body

Q.24 A wooden block has a mass of 6 kg and its size is 40 cm × 30 cm × 20 cm. It is placed on a table resting on its 30 cm × 20 cm side. If $g = 10 \text{ m/s}^2$, what is the pressure it puts on the table?

- Ans**
- ☐ A. 200 Pa
 - ☒ B. 1000 Pa
 - ☐ C. 100 Pa
 - ☐ D. 300 Pa

Q.25 Which particle did JJ Thomson discover?

- Ans**
- ☐ A. Nucleus
 - ☐ B. Neutron
 - ☒ C. Electron
 - ☐ D. Proton

Section : Mathematics

Q.26 If 60% of 30% of $\frac{1}{3}$ of a number is 204, find the number.

- Ans**
- ☒ A. 3400
 - ☐ B. 5250
 - ☐ C. 4390
 - ☐ D. 7050

Q.27 The income of Raman is ₹83,000. He saves 16% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

- Ans**
- ☐ A. increase by ₹827
 - ☐ B. decrease by ₹833
 - ☐ C. decrease by ₹828
 - ☒ D. increase by ₹830

Q.28 The average of 13 numbers is 7. If each number is multiplied by 2, then what will the new average be?

- Ans
- ☐ A. 7
 - ☐ B. 2
 - ☐ C. 13
 - ☒ D. 14

Q.29 Zakir travels from City A to City B. If Zakir drives his car at $\frac{3}{8}$ th of his usual speed. Find the time (in minutes) that Zakir would have taken to travel from City A to City B.



- Ans
- ☒ A. 6
 - ☐ B. 5
 - ☐ C. 14
 - ☐ D. 10

Q.30 Manu purchased a microwave for ₹12,000 and sold it to Anuj at a loss of 10%. Anuj then sold it to Priya at a profit of $6\frac{2}{3}\%$. Find the price at which Priya purchased the microwave.



- Ans
- ☐ A. ₹12,600
 - ☒ B. ₹13,440
 - ☐ C. ₹13,340
 - ☐ D. ₹13,100

Q.31 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Ajay borrowed an amount of ₹2,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ajay after 4 years.

- Ans
- ☐ A. 39,900
 - ☐ B. 37,900
 - ☐ C. 39,400
 - ☒ D. 38,400

Q.32 $\frac{1}{20}$ is what percentage of $\frac{2}{70}$?

- Ans
- ☒ A. 175%
 - ☐ B. 350%
 - ☐ C. 190%
 - ☐ D. 185%

Q.33 Simplify: $\frac{8.4 \times 8.4 - 2.8 \times 2.8}{5.6 \times 11.2}$

- Ans
- ☐ A. 4.2
 - ☐ B. 0.5
 - ☒ C. 1
 - ☐ D. 5.6

Q.34 The area of a right-angled triangle is three-fourths of the area of a rhombus, whose one diagonal is 48 cm long. The sides containing the right angle of the triangle are 36 cm and 64 cm. Find the perimeter of the rhombus.

- Ans** ☒ A. 184 cm
☒ B. 160 cm
☒ C. 152 cm
☒ D. 140 cm

Q.35 If the radius of the base of a right circular cylinder is decreased by 17% and its height is increased by 138%, then what is the percentage increase (rounded off to the closest integer) in its volume?

- Ans** ☒ A. 64%
☒ B. 75%
☒ C. 55%
☒ D. 61%

Q.36 A dealer makes a profit of 50% even after giving a 25% discount on the advertised price of a bike. If he makes a profit of ₹1,290 on the sale of the bike, what is the advertised price (in ₹)?

- Ans** ☒ A. 5,236
☒ B. 5,220
☒ C. 5,160
☒ D. 5,298

Q.37 A rectangle has a perimeter of 64 cm. If its length is 8 cm more than its width, find the width of the rectangle.

- Ans** ☒ A. 14 cm
☒ B. 10 cm
☒ C. 16 cm
☒ D. 12 cm

Q.38 Simplify $(3^6 \div 3^2)^2 \times (3^3 \div 3^4)$.

- Ans** ☒ A. 310
☒ B. 32
☒ C. 34
☒ D. 37

Q.39 The ages of three siblings are x, 25, and $2x + 8$ years, arranged in ascending order. The total ages of the youngest and the eldest is double the age of the third sibling. What is the age (in years) of the eldest?

- Ans** ☒ A. 33
☒ B. 36
☒ C. 30
☒ D. 39

Q.40 Two trains, 136 metres and 144 metres in length are running in opposite directions. The first runs at the rate of 65 km/hr and the second at the rate of 79 km/hr. How long will they take to cross each other?

- Ans** ☒ A. 12 seconds
☒ B. 16 seconds
☒ C. 6 seconds
☒ D. 7 seconds

- Q.41** A boy standing 12 m away from a flagpole observes the top of the pole at an angle of 30° .
Note: Consider the height of the boy as 0 m.

(Use $\sqrt{3} \approx 2$)

- Ans** ☐ A. 22 m
☒ B. 24 m
☐ C. 20 m
☐ D. 18 m

- Q.42** Pipe P can fill $\frac{3}{8}$ part of a tank in 30 hours and pipe Q can fill $\frac{3}{5}$ part open for 4 hours, then both were closed. Pipe R alone was then opened. Pipes P, Q and R together can fill the empty tank in:

- Ans** ☒ A. 120 hours
☐ B. 104 hours
☐ C. 112 hours
☐ D. 115 hours

- Q.43** If the third proportional of 9 and 51 be x, then what is the value of x?

- Ans** ☐ A. 291
☐ B. 287
☒ C. 289
☐ D. 288

- Q.44** If the LCM of two numbers is 192 and their HCF is 32. If the first number is 64, find the second number.

- Ans** ☐ A. 95
☐ B. 94
☐ C. 93
☒ D. 96

- Q.45** ₹1,071 is to be divided among three persons M, N and T. If the shares of M and N are in the ratio 3 : 9 and that of N and T are in the ratio 6 : 9, what is the share (in ₹) of N?

- Ans** ☐ A. 376
☐ B. 380
☐ C. 379
☒ D. 378

- Q.46** If an item marked at ₹3,392 is sold for ₹1,696, then what is the discount percentage?

- Ans** ☐ A. 51%
☐ B. 52%
☒ C. 50%
☐ D. 49%

Q.47 A and B working together can complete a piece of work in 2 days. B alone can complete the same work in 4 days. How long (in days) will A alone take to complete double the work?

- Ans** ☒ A. 8
☐ B. 9
☐ C. 4
☐ D. 11

Q.48 The sides of a triangle are 35 cm, 21 cm and 28 cm. What is the length of its altitude corresponding to the side with length of 21 cm?

- Ans** ☐ A. 29 cm
☐ B. 39 cm
☒ C. 28 cm
☐ D. 64 cm

Q.49 What is the mode of the following data?

5, 7, 6, 5, 9, 8, 6, 7, 11, 10, 5, 7, 6, 8, 6, 9, 10, 6

- Ans** ☐ A. 9
☐ B. 5
☒ C. 6
☐ D. 7

Q.50 Simplify $\frac{(x^2 - 15x + 50)}{(x - 10)}$.

- Ans** ☐ A. $x + 5$
☐ B. $x + 10$
☒ C. $x - 5$
☐ D. $x - 10$

Section : General Intelligence and Reasoning

Q.51 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits third to the left of D. A sits second to the left of G. D is the immediate neighbour of both C and A. E is not an immediate neighbour of B. How many people sit between E and F when counted from the right of E?

- Ans** ☒ A. 2
☐ B. 3
☐ C. 4
☐ D. 1

Q.52 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 5 4 6 4 5 4 8 1 9 8 3 4 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans** ☐ A. One
☐ B. Four
☒ C. Two
☐ D. Three

Q.53 XO 16 is related to ZS 10 in a certain way. In the same way, IF 9 is related to KJ 3. To which of the given options is OP 19 related, following the same logic?

- Ans**
- ☒ A. NJ 18
 - ☒ B. GT 14
 - ☒ C. QT 13
 - ☒ D. JU 16

Q.54 Parvesh ranked 12th from the top and 38th from the bottom in his class. How many students are there in the class?

- Ans**
- ☒ A. 59
 - ☒ B. 49
 - ☒ C. 50
 - ☒ D. 39

Q.55 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HO22 JQ31 LS40 NU49 ?

- Ans**
- ☒ A. PW58
 - ☒ B. PX59
 - ☒ C. PW59
 - ☒ D. PX58

Q.56 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 7 5 1 3 2 9 1 6 9 7 4 6 2 8 1 3 8 8 8 4 7 3 7 7 9 1 (Right)

How many such odd 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. 4
 - ☒ D. 6

Q.57 In a certain code language, 'XANJ' is coded as '98' and 'VLQG' is coded as '116'. What is the code for 'ZRHU' in that language?

- Ans**
- ☒ A. 130
 - ☒ B. 139
 - ☒ C. 141
 - ☒ D. 146

Q.58 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
DKQ GNT JQW MTZ ?

- Ans**
- ☒ A. PWC
 - ☒ B. SWY
 - ☒ C. RYC
 - ☒ D. QXD

Q.59 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. PU - OT
 - ☒ B. MR - LQ
 - ☒ C. EJ - DI
 - ☒ D. QV - PV

Q.60 What should come in place of the question mark (?) in the given series?

14,22,38,62,94 ?

- Ans**
- ☒ A. 133
 - ☒ B. 134
 - ☒ C. 135
 - ☒ D. 136

Q.61 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit to the right of A. Only five people sit to the left of B. F is the immediate neighbour of G and E. C sits second to the left of E. How many people sit to the left of G?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.62 Refer to the following series and answer the question (all numbers are single-digit numbers only). Counting to be done from left to right only.
(Left) 9 2 1 4 2 2 8 3 7 6 7 5 2 4 8 9 7 1 2 3 8 9 2 2 6 2 8 (Right)
How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☒ A. 6
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 5

Q.63 In a certain code language,
'A ? B' means 'A is the daughter of B'
'A = B' means 'A is the son of B'
'A @ B' means 'A is the father of B'
'A √ B' means 'A is the sister of B'
Based on the above, how is C related to L if 'C ? D √ E = F @ L'?

- Ans**
- ☒ A. Sister
 - ☒ B. Sister's daughter
 - ☒ C. Mother's sister
 - ☒ D. Daughter

- Q.64** Refer to the number series given below and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) 6 5 7 9 7 7 1 3 4 5 2 3 1 9 6 8 1 5 1 4 6 5 3 5 3 2 7 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☒ A. 3
☒ B. 6
☒ C. 4
☒ D. 5

- Q.65** What should come in place of the question mark (?) in the given series?

717 707 710 700 703 ?

- Ans** ☒ A. 695
☒ B. 693
☒ C. 691
☒ D. 697

- Q.66** 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 its 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.)

(15, 75, 5)
(12, 36, 3)

- Ans** ☒ A. (18, 48, 9)
☒ B. (14, 28, 2)
☒ C. (17, 49, 3)
☒ D. (11, 88, 6)

- Q.67** If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1874356, then what will be the sum of the digits that are second from the left and second from the right?

- Ans** ☒ A. 12
☒ B. 8
☒ C. 10
☒ D. 14

- Q.68** TM 13 is related to WR 16 in a certain way. In the same way, MF 18 is related to PK 21. To which of the given options is QJ 26 related, following the same logic?

- Ans** ☒ A. TO 29
☒ B. UP 29
☒ C. TM 28
☒ D. UM 28

Q.69 L, M, N, O, P and Q are sitting around a circular table facing the centre. M sits second to the left of P. N sits second to the right of Q. O is on the immediate left of M. Who is sitting on the immediate right of L?

- Ans**
- ☐ A. N
 - ☐ B. P
 - ☒ C. O
 - ☐ D. Q

Q.70 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 3427165, which of the following digits will be third from the left in the new number thus formed?

- Ans**
- ☐ A. 5
 - ☒ B. 1
 - ☐ C. 7
 - ☐ D. 9

Q.71 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$52 - 14 \div 169 + 456 \times 12 = ?$$

- Ans**
- ☐ A. 899
 - ☐ B. 815
 - ☐ C. 836
 - ☒ D. 859

Q.72 What should come in place of the question mark (?) in the given series?

328 330 320 324 314 320 ?

- Ans**
- ☐ A. 308
 - ☒ B. 310
 - ☐ C. 312
 - ☐ D. 306

Q.73 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 is the letter-cluster that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. KLN
 - ☐ B. XYA
 - ☒ C. FHI
 - ☐ D. HIK

Q.74 Town D is to the south of Town E. Town F is to the east of Town D. Town G is to the north of Town F. Town H is to the west of Town G. Town E is to the north-east of Town H. What is the position of Town G with respect to Town E?

- Ans**
- ☐ A. North-west
 - ☐ B. South-west
 - ☐ C. North-east
 - ☒ D. South-east

- Q.75** Anita starts from Point A and drives 6 km towards the south. She then takes a left turn, drives 8 km, turns left and drives 10 km. She then takes a right turn and drives 2 km. She then takes a right turn and drives 4 km. She takes a final right turn, drives 4 km and stops at Point D. How far(shortest distance) and in which direction is Point D with respect from Point A?

(All turns are 90° turns only unless specified.)

- Ans** ☒ A. 8 km towards south
☒ B. 8 km towards east
☒ C. 6 km towards east
☒ D. 12 km towards west
- Q.76** PXTR is related to UCYW in a certain way based on the English alphabetical order. In the same way, KANS is related to PFSX. To which of the given options is LFKO related, following the same logic?

- Ans** ☒ A. OINR
☒ B. PJOS
☒ C. QKPT
☒ D. NHMQ

- Q.77** In a certain code language, 'hen hat house' is coded as 'zu ef lh' and 'lime hen rat' is coded as 'lh wf cm'. How is 'hen' coded in that language?

- Ans** ☒ A. ef
☒ B. wf
☒ C. lh
☒ D. zu

- Q.78** 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 pens are copies. All copies are erasers.

Conclusion (I) : Some pens are erasers.

Conclusion (II) : All erasers are copies.

- 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.79** 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:

All rugs are mats.

All mats are blankets.

All blankets are quilts.

Conclusions:

(I): All rugs are quilts.

(II): Some quilts are mats.

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

Q.80 Jhanvi ranked 14th from the top and 6th from the bottom in her class. How many students are there in the class?

- Ans**
- ☒ A. 19
 - ☐ B. 21
 - ☐ C. 23
 - ☐ D. 17

Section : General Awareness and Current Affairs

Q.81 Where was the United Nations Troop Contributing Countries' (UNTCC) Chiefs' Conclave held in October 2025?

- Ans**
- ☐ A. Mumbai
 - ☒ B. New Delhi
 - ☐ C. Chennai
 - ☐ D. Bengaluru

Q.82 In June 2025, the World Bank approved a ₹3,700 crore loan for lake rejuvenation in which of the following cities of India to aid flood resilience?

- Ans**
- ☐ A. Chennai
 - ☐ B. New Delhi
 - ☐ C. Hyderabad
 - ☒ D. Bengaluru

Q.83 What is the enhanced credit limit under the Modified Interest Subvention Scheme (MISS) for Kisan Credit Card (KCC) loans as per the Union Budget, 2025-26?

- Ans**
- ☐ A. ₹2 lakh
 - ☐ B. ₹4 lakh
 - ☐ C. ₹3 lakh
 - ☒ D. ₹5 lakh

Q.84 In which of the following places was the regional workshop on 'Sangathan, Swasthya, Samridhi: Women Collective's Action on Food, Nutrition, Health and Water, Sanitation and Hygiene,' held from 22nd to 23rd July 2025?

- Ans**
- ☐ A. Bhopal, Madhya Pradesh
 - ☐ B. Patna, Bihar
 - ☐ C. Lucknow, Uttar Pradesh
 - ☒ D. Ranchi, Jharkhand

Q.85 Which of the following municipal corporations has issued India's first certified green municipal bond in April 2025?

- Ans**
- ☒ A. Ghaziabad Nagar Nigam
 - ☐ B. Lucknow Nagar Nigam
 - ☐ C. Varanasi Nagar Nigam
 - ☐ D. Indore Nagar Nigam

Q.86 The National Vaccination Day in India is observed on 16 March every year to commemorate the first administration of which vaccine in India?

- Ans**
- ☐ A. Dengue
 - ☐ B. Malaria
 - ☒ C. Polio
 - ☐ D. HIV

Q.87 Which Indian cricketer was inducted into the ICC Hall of Fame in June 2025?

- Ans**
- ☒ A. MS Dhoni
 - ☐ B. Sourav Ganguly
 - ☐ C. Sachin Tendulkar
 - ☐ D. Virat Kohli

Q.88 Which of the following is the oldest bird sanctuary in India?

- Ans**
- ☐ A. Vellode Birds Wildlife Sanctuary
 - ☒ B. Vedanthangal Lake Bird Wildlife Sanctuary
 - ☐ C. Chilika Lake Bird Sanctuary
 - ☐ D. Mayani Bird Sanctuary

Q.89 In June 2025, the Ministry of Coal achieved a historic milestone with the allocation of its _____.

- Ans**
- ☒ A. 200th coal mine
 - ☐ B. 300th coal mine
 - ☐ C. 400th coal mine
 - ☐ D. 100th coal mine

Q.90 Who were the judges of the special bench that ordered an immediate ban on manual scavenging and sewer cleaning in metropolitan cities in early 2025?

- Ans**
- ☒ A. Justice Sudhanshu Dhulia and Justice Aravind Kumar
 - ☐ B. Justice Ranjan Gogoi and Justice NV Ramana
 - ☐ C. Justice UU Lalit and Justice Sanjay Kishan Kaul
 - ☐ D. Justice DY Chandrachud and Justice Hima Kohli

Q.91 In which year did Smriti Mandhana become the fastest Indian woman to reach 4,000 ODI runs?

- Ans**
- ☐ A. 2022
 - ☒ B. 2025
 - ☐ C. 2024
 - ☐ D. 2023

Q.92 Who won the 2025 French Open men's singles title?

- Ans**
- ☐ A. Novak Djokovic
 - ☐ B. Rafael Nadal
 - ☒ C. Carlos Alcaraz
 - ☐ D. Jannik Sinner

Q.93 Which of the following cities hosted the first Climate Week in May 2025?

- Ans**
- ☐ A. Rio de Janeiro
 - ☐ B. Washington
 - ☐ C. Mexico City
 - ☒ D. Panama City

Q.94 Who became the fastest cricketer to score 2000 T20I runs in 2025?

- Ans**
- ☐ A. Babar Azam
 - ☒ B. Sai Sudharsan
 - ☐ C. Jos Buttler
 - ☐ D. Virat Kohli

Q.95 Satellite Technology Day 2025 honoured which of the following anniversaries of Aryabhata, the first indigenously built Indian satellite?

- Ans**
- ☐ A. 25th
 - ☐ B. 40th
 - ☒ C. 50th
 - ☐ D. 75th

Q.96 Which of the following was the focus of the National Workshop held at Gujarat University, organised by the Ministry of Minority Affairs in July 2025?

- Ans**
- ☐ A. Sikhism
 - ☐ B. Hinduism
 - ☐ C. Buddhism
 - ☒ D. Jainism

Q.97 Which award did Armando Colaco receive in January 2025?

- Ans**
- ☐ A. MAKA Trophy
 - ☐ B. Khel Ratna Award
 - ☒ C. Dronacharya Award
 - ☐ D. Arjuna Award

Q.98 What honourarium did the P C Chandra Puraskaar include?

- Ans**
- ☐ A. ₹5 lakh
 - ☐ B. ₹15 lakh
 - ☐ C. ₹10 lakh
 - ☒ D. ₹20 lakh

Q.99 What is the height of the Chenab Rail Bridge above the riverbed?

- Ans**
- ☐ A. 300 m
 - ☐ B. 859 m
 - ☐ C. 478 m
 - ☒ D. 359 m

Q.100 Indian exports to US faced a 50% US tariff starting 27 August 2025, for buying discounted oil from ____.

- Ans**
- ☒ A. Russia
 - ☐ B. Iraq
 - ☐ C. Iran
 - ☐ D. Saudi Arabia



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Sitapura 2
Test Date	17/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The commercial unit of electric energy is kilowatt hour (kW h). Which of the following is the correct value of 1kWh?

- Ans ☐ A. 1.9×10^6 Joule
☐ B. 1.6×10^6 Joule
☐ C. 3.0×10^6 Joule
☒ D. 3.6×10^6 Joule

Q.2 Which of the following birth control methods can cause hormonal imbalance, and probably health issues?

- Ans ☐ A. Tubectomy
☐ B. Condoms
☒ C. Oral contraceptive pills
☐ D. Copper-T

Q.3 Which of the following is a saturated hydrocarbon?

- Ans ☐ A. Butyne
☐ B. Ethyne
☒ C. Propane
☐ D. Ethene

Q.4 A person does 600 J of work in 3 minutes. What is the average power?

- Ans ☐ A. 200 W
☐ B. 20 W
☐ C. 330 W
☒ D. 3.33 W

Q.5 What does the area under a velocity-time graph represent for motion along a straight line?

- Ans ☐ A. The final velocity of the object
☒ B. The total displacement of the object
☐ C. The total distance between two points
☐ D. The change in acceleration

Q.6 Which of the following conditions will increase the rate of evaporation of a liquid?

- Ans**
- ☐ A. Decrease in temperature
 - ☐ B. Increase in humidity
 - ☐ C. Decrease in surface area
 - ☒ D. Increase in wind speed

Q.7 Which of the following are the covering or protective tissues in the animal body?

- Ans**
- ☐ A. Parenchyma tissues
 - ☐ B. Sclerenchyma tissues
 - ☐ C. Nervous tissues
 - ☒ D. Epithelial tissues

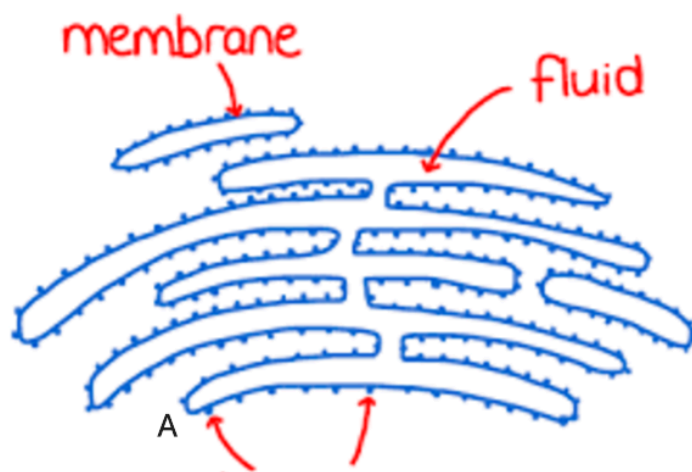
Q.8 The dense structure inside the nucleus that produces ribosomes is called the ____.

- Ans**
- ☐ A. lysosome
 - ☒ B. nucleolus
 - ☐ C. mitochondria
 - ☐ D. centrosome

Q.9 When acid reacts with a metal carbonate, it forms:

- Ans**
- ☐ A. a base and water as products
 - ☒ B. salt, carbon dioxide, and water
 - ☐ C. salt and hydrogen gas only
 - ☐ D. gas and solid precipitate only

Q.10



What is the primary function of the structure 'A' attached to the rough endoplasmic reticulum in the given diagram?

- Ans**
- ☒ A. Manufacturing proteins
 - ☐ B. Digestion of food particles
 - ☐ C. Production of fat molecules
 - ☐ D. Storing genetic material

Q.11 Which of the following is true about the mass of an object?

- Ans**
- ☐ A. It changes from place to place.
 - ☐ B. It increases at pole.
 - ☒ C. It stays the same no matter where the object is.
 - ☐ D. It depends on gravity.

Q.12 In Rutherford's model of an atom, which of the following particles are double charged on helium ions?

- Ans**
- ☐ A. Gamma particles
 - ☐ B. Beta particles
 - ☒ C. Alpha particles
 - ☐ D. Delta particles

Q.13 The phenomenon of dispersion of light was first explained by _____.

- Ans**
- ☐ A. Christiaan Huygens
 - ☐ B. Albert Einstein
 - ☒ C. Isaac Newton
 - ☐ D. James Clerk Maxwell

Q.14 Which of the following statements is INCORRECT for mass number?

- Ans**
- ☒ A. Protium and deuterium have same the mass number.
 - ☐ B. Mass number is equal to the sum of number of neutrons and number of protons.
 - ☐ C. The number of nucleons is same as mass number.
 - ☐ D. Isobars have same mass number.

Q.15 During electrolytic refining, which substance(s) get(s) collected at the cathode?

- Ans**
- ☐ A. Insoluble impurities and gases
 - ☐ B. Organic matter left from ores
 - ☐ C. The same metal with new bonds
 - ☒ D. Pure form of the impure metal

Q.16 The symbol of a battery is:

- Ans**
- ☐ A. a rectangle with arrows
 - ☒ B. several cells joined together
 - ☐ C. a circle with a dot
 - ☐ D. one long and one short line

Q.17 Which of the following characteristics of pea was a dominant trait, used by Mendel in his experiments?

- Ans**
- ☐ A. Dwarf Plants
 - ☐ B. Green Seeds
 - ☒ C. Tall Plants
 - ☐ D. Wrinkled Seeds

Q.18 Which of the following is NOT responsible for the transmission of HIV-infection?

- Ans**
- ☐ A. Sexual contact with infected person
 - ☒ B. Hugging of infected person
 - ☐ C. Transfusion of contaminated blood
 - ☐ D. Sharing infected needles

Q.19 Which of the following statements about olfactory indicators is correct?

- Ans**
- ☐ A. In basic solutions, the smell of onion extract remains unchanged.
 - ☒ B. In acidic solutions, onion extract retains its characteristic smell.
 - ☐ C. In basic solutions, vanilla essence retains its original sweet smell.
 - ☐ D. Onion and vanilla both lose their smell in acidic conditions.

Q.20 Read the following statements carefully and select the **INCORRECT** one.

- Ans**
- ☐ A. Cerebrum is the largest part of the human brain and is responsible for thinking and voluntary actions.
 - ☐ B. Cerebellum helps in maintaining body posture and balance.
 - ☐ C. Spinal cord acts as a relay between the brain and the rest of the body and also controls reflex actions.
 - ☒ D. Medulla oblongata controls reflex actions like pulling hand away from a hot object.

Q.21 For a distinct echo to be heard, the minimum time interval between the original sound and the reflected sound should be approximately _____.

- Ans**
- ☐ A. 0.01 s
 - ☐ B. 0.5 s
 - ☒ C. 0.1 s
 - ☐ D. 1 s

Q.22 Which of the following is true about action and reaction forces according to Newton's third law?

- Ans**
- ☐ A. They act on the same object at different times
 - ☐ B. They act in the same direction on the same object
 - ☐ C. They cancel each other out because they act on one object
 - ☒ D. They act on two different objects at the same time

Q.23 Which of the following acid-base indicators is colourless in acidic medium and pink in basic medium?

- Ans**
- ☐ A. Bromothymol blue
 - ☐ B. Methyl orange
 - ☐ C. Litmus
 - ☒ D. Phenolphthalein

Q.24 If the power of accommodation of a normal human eye is maximum, which of the following is correct for the ciliary muscles?

- Ans**
- ☐ A. Fully relaxed
 - ☐ B. Partially relaxed
 - ☐ C. Partially contracted
 - ☒ D. Fully contracted

Q.25 Why is conservation of petroleum important?

- Ans**
- ☐ A. Petroleum is a renewable resource.
 - ☒ B. Petroleum is a non-renewable resource.
 - ☐ C. Petroleum is abundant in nature.
 - ☐ D. Petroleum does not affect the environment adversely.

Section : Mathematics

Q.26 Mahi would need twice as much time as Neha and Asha combined, while Asha would require three times as much time as Neha and Mahi combined to complete a certain task. If all three friends work together, they can finish the task in 20 days. How many days would Neha take to complete the same task on her own?

- Ans**
- ☐ A. 24 days
 - ☒ B. 48 days
 - ☐ C. 36 days
 - ☐ D. 42 days

Q.27 Nishi travels to a shopping mall at 33 km/hr and returns at 57 km/hr. What is her average speed (in km/hr) for the entire journey?

- Ans
- ☐ A. 34.8
 - ☐ B. 32.8
 - ☐ C. 39.1
 - ☒ D. 41.8

Q.28 Simplify: $(\sqrt{75} - \sqrt{108} + \sqrt{6075})^2$

- Ans
- ☐ A. $5808\sqrt{3}$
 - ☐ B. 132
 - ☐ C. $1936\sqrt{3}$
 - ☒ D. 5808

Q.29 P is any point inside the rectangle ABCD. If PA = 100 cm, PB = 76 cm, and PC = 85 cm, then the length PD (in cm) is equal to:

- Ans
- ☒ A. 107
 - ☐ B. 112
 - ☐ C. 103
 - ☐ D. 104

Q.30 The arithmetic mean of the observations 29, 90, 50, 26, 36, 77, 86, 33 and 41 is:

- Ans
- ☐ A. 50
 - ☐ B. 60
 - ☐ C. 65
 - ☒ D. 52

Q.31 If 646 bananas were distributed among three monkeys in the ratio $\frac{1}{6}$:



- Ans
- ☐ A. 214
 - ☐ B. 174
 - ☒ C. 204
 - ☐ D. 234

Q.32 A man is walking at a speed of 12 km/hr. After every kilometre of walk, he takes a rest for 7 minutes. How much time (in minutes) will he take to cover a distance of 6 km?

- Ans
- ☐ A. 72
 - ☐ B. 42
 - ☐ C. 54
 - ☒ D. 65

Q.33 If the mean proportional of X and 125 is 25, then find the value of X.

- Ans
- ☐ A. 7
 - ☐ B. 8
 - ☒ C. 5
 - ☐ D. 4

Q.34 If 20% of a number is added to 84, then the result is the same number. 75% of the same number is:

- Ans**
- ☐ A. 98.75
 - ☐ B. 108.75
 - ☐ C. 88.75
 - ☒ D. 78.75

Q.35 Find the value of $(2.99)^2$.

- Ans**
- ☒ A. 8.9401
 - ☐ B. 8.9041
 - ☐ C. 8.9104
 - ☐ D. 8.8401

Q.36 A man buys magazines in bulk for ₹20 each. He sells them for ₹23 each. Find the profit percentage.

- Ans**
- ☒ A. 15%
 - ☐ B. 12%
 - ☐ C. 14%
 - ☐ D. 10%

Q.37 $\frac{1}{20}$ is what percentage of $\frac{10}{60}$?

- Ans**
- ☐ A. 45%
 - ☐ B. 60%
 - ☒ C. 30%
 - ☐ D. 40%

Q.38 The area of a triangle is 84 cm^2 . If the altitude corresponding to its base is two-thirds of the base length, find the length of the base.

- Ans**
- ☐ A. $5\sqrt{7} \text{ cm}$
 - ☐ B. $4\sqrt{7} \text{ cm}$
 - ☒ C. $6\sqrt{7} \text{ cm}$
 - ☐ D. $6\sqrt{3} \text{ cm}$

Q.39 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Akshay borrowed an amount of ₹4,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Akshay after 4 years.

- Ans**
- ☒ A. 64,400
 - ☐ B. 65,900
 - ☐ C. 63,900
 - ☐ D. 65,400

Q.40 The sum of the present ages of A and B is 42 years. After 6 years, A will be twice as old as B. Find B's present age.

- Ans**
- ☒ A. 12 years
 - ☐ B. 14 year
 - ☐ C. 10 years
 - ☐ D. 15 years

Q.41 A cricketer has an average of 97 runs over 6 innings. If he scores 231 runs in the 7th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- Ans**
- ☐ A. 17
 - ☒ B. 19
 - ☐ C. 25
 - ☐ D. 11

Q.42 One pipe can fill a tank in 8 minutes, while another pipe can empty the completely filled tank in 40 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 11
 - ☐ B. 10
 - ☐ C. 6
 - ☒ D. 5

Q.43 The vertices of a triangle are A(4,-6), B(3,-2) and C(5,2). Find the area of the triangle formed by these points.

- Ans**
- ☐ A. 8 sq. units
 - ☒ B. 6 sq. units
 - ☐ C. 5 sq. units
 - ☐ D. 10 sq. units

Q.44 The income of Raman is ₹61,500. He saves 17% of his income. If his income increases by 38% and expenditure increases by 20%, then his savings will:

- Ans**
- ☐ A. increase by ₹13,156
 - ☐ B. decrease by ₹13,165
 - ☒ C. increase by ₹13,161
 - ☐ D. decrease by ₹13,159

Q.45 Three-fourth of a number exceeds its two-fifth by 63. What is the number?

- Ans**
- ☒ A. 180
 - ☐ B. 252
 - ☐ C. 126
 - ☐ D. 163

Q.46 A dealer purchased a dryer for ₹92,000. He allows a discount of 77% on its marked price and still gains 83%. Find the marked price of the dryer.

- Ans**
- ☐ A. ₹7,31,917
 - ☐ B. ₹7,31,919
 - ☒ C. ₹7,32,000
 - ☐ D. ₹7,31,858

Q.47 The LCM of two numbers is 84. The numbers are in the ratio 4 : 3. Find the sum of the numbers.

- Ans**
- ☐ A. 24
 - ☒ B. 49
 - ☐ C. 32
 - ☐ D. 56

Q.48 A dealer marks his goods at 29% above the cost price and allows a discount of 7% on the marked price. What is his gain or loss percentage?

- Ans**
- ☒ A. 23.89% gain
 - ☒ B. 19.97% gain
 - ☒ C. 19.1% loss
 - ☒ D. 22.67% gain

Q.49 From the top of a lighthouse of height 279 m, the angle of depression to the foot of the lighthouse.

- Ans**
- ☒ A. $93\sqrt{3}$
 - ☒ B. $92\sqrt{3}$
 - ☒ C. $90\sqrt{3}$
 - ☒ D. $89\sqrt{3}$

Q.50 Simplify the algebraic expression.

$$a^2(a + 2) - 3a(a^2 - 3) - 5a(a + 5)$$

- Ans**
- ☒ A. $2a^3 - 3a^2 - 16$
 - ☒ B. $a^3 - 3a^2 - 16a$
 - ☒ C. $-2a^3 - 3a^2 - 16a$
 - ☒ D. $-2a^3 - a^2 - 16a$

Section : General Intelligence and Reasoning

Q.51 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. HIK
 - ☒ B. WYZ
 - ☒ C. STV
 - ☒ D. IJL

Q.52 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. HMF
 - ☒ B. PUN
 - ☒ C. RWO
 - ☒ D. NSL

Q.53 Seven boxes, B, C, D, I, J, K and L, are kept one over the other but not necessarily in the same order. Only C is kept below I. Only four boxes are kept between C and J. Only L is kept between J and D. B is kept at one of the positions above J. How many boxes are kept between K and C?

- Ans**
- ☒ A. One
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. Two

Q.54 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ULO SJM QHK OFI ?

- Ans**
- ☒ A. MCH
 - ☒ B. MDG
 - ☒ C. MCG
 - ☒ D. MDH

Q.55 Gaurav starts from Point A and drives 11 km towards the South. He then takes a left turn, drives 7 km, then turns left and drives 14 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 3 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. 4 km to the east
 - ☒ B. 4 km to the west
 - ☒ C. 5 km to the east
 - ☒ D. 5 km to the west

Q.56 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(16, 262, 7)

(40, 1612, 13)

- Ans**
- ☒ A. (7, 74, 21)
 - ☒ B. (36, 1318, 18)
 - ☒ C. (8, 72, 4)
 - ☒ D. (4, 38, 23)

Q.57 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DEAR - EADR - RAED
SOME - OMSE - EMOS

- Ans**
- ☒ A. ZONE - ZNOE - ENOZ
 - ☒ B. WARD - ARWD - DRAW
 - ☒ C. JUTE - UJTE - EUTJ
 - ☒ D. RACE - ACRE - ACER

Q.58 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?

56 A 8 C 2 B 7 D 6 = ?

- Ans**
- ☒ A. 15
 - ☒ B. 16
 - ☒ C. 14
 - ☒ D. 13

Q.59 What should come in place of the question mark (?) in the given series?

777 767 762 752 747 ?

- Ans** ☒ A. 737
☐ B. 739
☐ C. 738
☐ D. 736

Q.60 In a certain code language, 'she takes photos' is coded as 'rp bs eg' and 'photos are beautiful' is coded as 'zs vx bs'. How is 'photos' coded in that language?

- Ans** ☐ A. rp
☒ B. bs
☐ C. vx
☐ D. eg

Q.61 RY 17 is related to VW 3 in a certain way. In the same way, IK 11 is related to MI -3. To which of the following is PI 16 related, following the same logic?

- Ans** ☒ A. TG 2
☐ B. BT 3
☐ C. RT 5
☐ D. NJ 7

Q.62 In a row of 31 people facing north, Jack is 7th from the right end. If Ronald sits 5th to the left of Jack, what is Ronald's position from the left end of the row?

- Ans** ☐ A. 22nd
☒ B. 20th
☐ C. 19th
☐ D. 21st

Q.63 Refer to the given series and answer the question that follows. All numbers are single-digit numbers. Counting to be done from left to right.

(Left) 3 7 1 9 4 6 2 5 8 3 7 5 9 4 6 2 5 8 3 7 1 9 8 6 2 (Right).

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☐ A. Five
☐ B. Four
☒ C. Three
☐ D. Two

Q.64 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 7 1 8 3 5 4 2 9 9 3 3 1 2 8 6 7 4 4 6 6 2 1 8 1 9 3 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. Two
☐ B. Four
☐ C. Three
☐ D. Five

Q.65 Refer to the following series and answer the question (all numbers are single-digit numbers only). Counting to be done from Left to Right only.

(Left) 5 8 3 6 9 4 2 7 5 1 3 4 (Right)

How many such even numbers are there, which are immediately followed by an odd number?

- Ans**
- ☒ A. Two
 - ☒ B. More than three
 - ☒ C. One
 - ☒ D. Three

Q.66 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$25 - 16 \div 79 + 189 \times 3 = ?$$

- Ans**
- ☒ A. 416
 - ☒ B. 462
 - ☒ C. 458
 - ☒ D. 469

Q.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEL221, NMT202, VUB183, DCJ164, ?

- Ans**
- ☒ A. MKR145
 - ☒ B. LKR145
 - ☒ C. LKS145
 - ☒ D. LUR145

Q.68 Mr. Akai starts from Point A and drives 18 km towards south. He then takes a right turn, drives 25 km, turns right and drives 9 km. He then takes a right turn and drives 11 km. He then takes a right turn, drives 5 km, turns left and drives 4 km. He takes a final left turn, drives 14 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. 10 km to the west
 - ☒ B. 9 km to the west
 - ☒ C. 10 km to the south
 - ☒ D. 10 km to the east

Q.69 Six people, A, B, C, D, E and F are sitting in a row, facing north. Only two people sit to the right of C. A sits second to the left of D. B sits to the immediate right of F. E sits second to the left of C. How many people sit between D and B?

- Ans**
- ☒ A. 2
 - ☒ B. 3
 - ☒ C. 1
 - ☒ D. 4

Q.70 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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 samosas are patties.

All samosas are burgers.

Conclusions:

(I) Some patties are burgers.

(II) All burgers are samosas.

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

Q.71 F, G, H, I, M, N and O are sitting around a circular table, facing the centre of the table. Only two people sit between I and O, when counted from the left of O. G sits third to the left of N. H sits to the immediate right of N. H sits second to the left of I. F is not an immediate neighbour of G. Who sits third to the right of M?

- Ans** ☒ A. F
☒ B. O
☒ C. N
☒ D. H

Q.72 What should come in place of the question mark (?) in the given series?

19, 22, 28, 37, 49, ?

- Ans** ☒ A. 65
☒ B. 63
☒ C. 64
☒ D. 66

Q.73 What should come in place of the question mark (?) in the given series?

812 813 810 815 808 817 ?

- Ans** ☒ A. 806
☒ B. 820
☒ C. 805
☒ D. 819

Q.74 GMUZ is related to EJSW in a certain way based on the English alphabetical order. In the same way, YAMN is related to WXKK. To which of the given options is SRGE related, following the same logic?

- Ans** ☒ A. QOER
☒ B. QBNJ
☒ C. QOEB
☒ D. QMKI

Q.75 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:

All cars are buses.

All buses are planes.

No car is a train.

Conclusions:

(I) No bus is a train.

(II) No plane is a train.

Ans ☒ A. Neither statement I nor II follows

☐ B. Only statement II follows

☐ C. Only statement I follows

☐ D. Both statements I and II follow

Q.76 M, N, O, P, W, X and Y are sitting around a circular table facing the centre of the table.
Only two people sit between P and O when counted from the left of O. W sits third to the left of N. Y sits to the immediate right of N. Y sits second to the left of P. X is not an immediate neighbour of W. Who sits third to the right of M?

Ans ☐ A. N

☐ B. W

☒ C. Y

☐ D. O

Q.77 In a certain code language,
A + B means 'A is the sister 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 O related to V if 'O - P # T + G @ V'?

Ans ☐ A. Wife

☐ B. Sister

☐ C. Daughter

☒ D. Mother

Q.78 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 178673, then what will be the sum of largest and smallest digits in the new number thus formed?

Ans ☐ A. 13

☐ B. 11

☒ C. 12

☐ D. 10

Q.79 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) * + 9 \ / ? > @ 5 5 / ? / 9 * 1 ? # + 6 # (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. One
☐ B. Three
☐ C. Two
☐ D. None

Q.80 In a certain code language, 'books are treasures' is coded as 'ab hi pq' and 'treasures read gems' is coded as 'st hi xy'. How is 'treasures' coded in that language?

- Ans** ☐ A. pq
☐ B. st
☒ C. hi
☐ D. xy

Section : General Awareness and Current Affairs

Q.81 Who received the Padma Bhushan in 2025 for his contributions to the field of Arts from Maharashtra?

- Ans** ☐ A. Pankaj Patel
☒ B. Shekhar Kapur
☐ C. S Ajith Kumar
☐ D. Nandamuri Balakrishna

Q.82 Which team emerged victorious, defeating Nepal 54-36, to claim the inaugural men's Kho-Kho World Cup title in New Delhi on 19 January 2025?

- Ans** ☒ A. India
☐ B. Bangladesh
☐ C. Nepal
☐ D. Pakistan

Q.83 Which central scheme reduces budget allocations drastically for minority education scholarships in 2025-26?

- Ans** ☒ A. Pre-Matric
☐ B. USTTAD
☐ C. PM-Viraasat
☐ D. Naya Savera

Q.84 What was the primary technical issue that caused a delay of the Axiom-4 mission on 10 June 2025?

- Ans** ☐ A. Communication failure
☐ B. Solar panel malfunction
☐ C. Engine overheating
☒ D. Liquid oxygen leak

Q.85 Who won the men's race at the 2025 Paris Marathon?

- Ans**
- ☐ A. Ibrahim Hassan
 - ☐ B. Sila Kiptoo
 - ☒ C. Bénard Biwott
 - ☐ D. Eliud Kipchoge

Q.86 Which city saw disbursement of ₹6.79 crore scholarship to over 11,000 minority students by July 2025?

- Ans**
- ☒ A. Pryagraj
 - ☐ B. Bhopal
 - ☐ C. Gandhinagar
 - ☐ D. Patna

Q.87 Who was the first Indian to win two IPL final Player of the Match awards in 2017 and 2025?

- Ans**
- ☐ A. Jasprit Bumrah
 - ☐ B. Rohit Sharma
 - ☐ C. Virat Kohli
 - ☒ D. Krunal Pandya

Q.88 Which of the following foreign banks became the first to list a bond on National Stock Exchange – International Exchange (NSE IX) at GIFT City in June 2025?

- Ans**
- ☐ A. DBS Bank
 - ☒ B. DFCC Bank
 - ☐ C. HSBC Bank
 - ☐ D. Barclays Bank

Q.89 In September 2025, which state government approved an Environmental, Social and Governance (ESG) policy to attract environment-friendly and low-polluting industries?

- Ans**
- ☐ A. Gujarat
 - ☐ B. Andhra Pradesh
 - ☒ C. Kerala
 - ☐ D. Haryana

Q.90 In September 2025, which region was declared as India's first cold desert biosphere reserve under the United Nations Educational, Scientific and Cultural Organization (UNESCO) programme?

- Ans**
- ☒ A. Spiti Valley
 - ☐ B. Satluj Valley
 - ☐ C. Nubra Valley
 - ☐ D. Ladakh Valley

Q.91 The Mukhya Mantrir Jiban Anuprerana Scheme of Assam offers ____.

- Ans**
- ☐ A. Fellowship with monthly stipend
 - ☐ B. Loan repayable over 5 years
 - ☒ C. One-time grant
 - ☐ D. Monthly scholarship

Q.92 Which of the following organisations partnered with Vivifi Finance in December 2024 to provide loans to gig workers?

- Ans**
- ☒ A. National Payments Corporation of India (NPCI)
 - ☒ B. Reserve Bank Innovation Hub (RBIH)
 - ☐ C. Small Industries Development Bank of India (SIDBI)
 - ☐ D. Indian Banks' Association (IBA)

Q.93 Who among the following Indian athletes set a new national record in the men's 5,000 m event at Boston University in 2025?

- Ans**
- ☒ A. Gulveer Singh
 - ☐ B. Jinson Johnson
 - ☐ C. Avinash Sable
 - ☐ D. Murali Sreeshankar

Q.94 The Bilderberg Conference from 12–15 June 2025 took place in _____.

- Ans**
- ☐ A. Copenhagen
 - ☐ B. Helsinki
 - ☒ C. Stockholm
 - ☐ D. Oslo

Q.95 According to the report by the International Energy Agency (IEA) released in June 2025, which country is the third-largest contributor to global power generation growth over the past five years?

- Ans**
- ☐ A. United States of America
 - ☒ B. India
 - ☐ C. China
 - ☐ D. Russia

Q.96 As of June 2025, the International Big Cat Alliance (IBCA), based in New Delhi, focuses on protecting how many species?

- Ans**
- ☐ A. Six
 - ☐ B. Eight
 - ☐ C. Five
 - ☒ D. Seven

Q.97 In June 2025, the Government of India announced to set up a Centre of Excellence to mitigate human wildlife conflict under which ministry?

- Ans**
- ☒ A. Ministry of Environment, Forest and Climate Change
 - ☐ B. Ministry of Rural Development
 - ☐ C. Ministry of Law and Justice
 - ☐ D. Ministry of Home Affairs

Q.98 Bold Kurukshetra 2025 is a bilateral military exercise conducted between India and which other nation?

- Ans**
- ☐ A. United Kingdom
 - ☒ B. Singapore
 - ☐ C. Russia
 - ☐ D. China

Q.99 In June 2025, which company was licensed to produce the Expandable Mobile Shelter for armed forces?

- Ans**
- ☐ A. Goma Engineering Pvt Ltd
 - ☐ B. Metaltech Motor Bodies Pvt Ltd
 - ☒ C. Bharat Electronics Ltd
 - ☐ D. Bharat Forge

Q.100 What treaty was signed on 17 January 2025, in Moscow to deepen cooperation across military, energy, and tech sectors?

- Ans**
- ☐ A. Russia-India Space Agreement
 - ☐ B. Russia-China Strategic Partnership
 - ☐ C. Russia-EU Comprehensive Strategic Partnership Treaty
 - ☒ D. Iran-Russia Comprehensive Strategic Partnership Treaty



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Indraprastha Public School
Test Date	17/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What is the primary component of the plant cell wall?

Ans ☒ A. Cellulose

☒ B. Suberin

☒ C. Cutin

☒ D. Lignin

Q.2 How does pollination contribute to seed formation in plants?

Ans ☒ A. By producing nectar to attract pollinators

☒ B. By forming a protective seed coat around the ovule

☒ C. By dispersing seeds to new locations

☒ D. By transferring pollen from the anther to the stigma, enabling fertilisation

Q.3 Which of the following is NOT a base unit in the International System of Units (SI)?

Ans ☒ A. Kilogramme

☒ B. Metre

☒ C. Joule

☒ D. Second

Q.4 If the velocity of a body is doubled, its kinetic energy becomes:

Ans ☒ A. eight times

☒ B. double

☒ C. half

☒ D. four times

Q.5 Which of the following statements about coal and petroleum conservation is correct?

Ans ☒ A. Their formation takes millions of years.

☒ B. They are renewable resources of energy.

☒ C. They do not cause pollution.

☒ D. They are inexpensive to extract.

Q.6 An athlete runs on a circular track with a diameter of 300 m and completes one round in 50 seconds. If the athlete runs for 2 minutes and 30 seconds, what is the total distance covered from the starting point?

(Use $\pi = 3.14$)

- Ans**
- ☐ A. Distance = 942 m
 - ☐ B. Distance = 471 m
 - ☒ C. Distance = 2826 m
 - ☐ D. Distance = 1500 m

Q.7 What does Snell's Law of refraction state about the relationship between the angle of incidence and the angle of refraction for the given pair of media?

- Ans**
- ☒ A. The ratio of the sine of the angle of incidence to the sine of the angle of refraction remains constant.
 - ☐ B. Both angles are always equal in all media.
 - ☐ C. Their sum is always 90° .
 - ☐ D. Their difference is always constant.

Q.8 Which of the following metals reacts most vigorously with cold water?

- Ans**
- ☒ A. Sodium
 - ☐ B. Iron
 - ☐ C. Cobalt
 - ☐ D. Copper

Q.9 Which of the following components is represented by a zig-zag line in a circuit diagram?

- Ans**
- ☒ A. Resistor
 - ☐ B. Bulb
 - ☐ C. Battery
 - ☐ D. Switch

Q.10 Select the option regarding the matter which has sufficient spaces between them or are not tightly packed.

Salt, Iron, Sugar

- Ans**
- ☐ A. Only sugar
 - ☐ B. Both iron and salt
 - ☐ C. Only iron
 - ☒ D. Both sugar and salt

Q.11 Which of the following vitamins are maintained at high levels in poultry feed to support optimal growth and health?

- Ans**
- ☐ A. Vitamin C and K
 - ☒ B. Vitamin A, D and E
 - ☐ C. Vitamin B1, B2, B3
 - ☐ D. Vitamin B9 and B12

Q.12 Which of the following is true about the cells of meristematic tissue?

- Ans**
- ☒ A. They are active cells with dense cytoplasm, thin walls, prominent nuclei and no vacuoles.
 - ☐ B. They are inactive with large vacuoles and thick walls.
 - ☐ C. They are dead cells with no nucleus or cytoplasm.
 - ☐ D. They are loosely packed, mature cells with large intercellular spaces.

Q.13 A bus travels a 6 km distance in 20 minutes to go from point A to point B. The bus travels from point B to point A in 30 minutes. What is the average speed in m/s of the bus?

- Ans
- ☐ A. 2400
 - ☐ B. 24
 - ☐ C. 400
 - ☒ D. 4

Q.14 Which of the following reactions is an example of a double displacement reaction?

- Ans
- ☐ A. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
 - ☒ B. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
 - ☐ C. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$
 - ☐ D. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

Q.15 Which of the following metals is characterised by low density and softness?

- Ans
- ☐ A. Copper
 - ☐ B. Aluminium
 - ☐ C. Magnesium
 - ☒ D. Potassium

Q.16 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Iron gets coated with a reddish-brown substance when exposed to moist air.

Reason (R): Rust forms due to the reaction of iron with moisture and oxygen.

- Ans
- ☐ A. Both A and R are true, and R is not the correct explanation of A.
 - ☐ B. A is false, but R is true.
 - ☐ C. A is true, but R is false.
 - ☒ D. Both A and R are true, and R is the correct explanation of A.

Q.17 How can the transmission of certain sexually transmitted infections (STIs) be reduced during sexual activity?

- Ans
- ☐ A. By only engaging in sexual activity during daytime
 - ☐ B. By avoiding physical contact with all individuals
 - ☒ C. By using protection such as condoms during intercourse
 - ☐ D. By taking antibiotics before every sexual act

Q.18 What is reverberation?

- Ans
- ☐ A. Loss of sound energy in air
 - ☐ B. Change in pitch of sound
 - ☐ C. Spreading of sound in all directions
 - ☒ D. Persistence of sound due to multiple reflections of sound waves

Q.19 An electric bulb is connected to a 240 V generator and draws a current of 0.25 A. What is the power consumed by the bulb?

- Ans
- ☐ A. 960 W
 - ☐ B. 60 J
 - ☐ C. 960 J
 - ☒ D. 60 W

Q.20 What is an ion?

- Ans
- ☐ A. A neutral atom
 - ☐ B. A molecule
 - ☒ C. An atom or group of atoms with a positive or negative charge
 - ☐ D. A proton

Q.21 If the thrust acting on a surface remains constant, how does the pressure change with the area of contact?

- Ans
- ☐ A. Pressure increases when area increases.
 - ☒ B. Pressure increases when area decreases.
 - ☐ C. Pressure does not depend on area.
 - ☐ D. Pressure decreases when area decreases.

Q.22 When fats and oils are oxidised, they develop a smell and taste that is:

- Ans
- ☐ A. fruity
 - ☒ B. rancid
 - ☐ C. spicy
 - ☐ D. pleasant

Q.23 Which of the following is essential for animals to participate in the process of mating?

- Ans
- ☐ A. They must be tall
 - ☐ B. Sexual immaturity
 - ☒ C. Physical maturity
 - ☐ D. They must have attractive eyes

Q.24 Which of the following is INCORRECT about striated muscle?

- Ans
- ☐ A. These are present in limbs
 - ☐ B. Mostly attached to bones and help in body movement
 - ☐ C. Also called voluntary muscles
 - ☒ D. Each striated muscle fibre contains a single nucleus

Q.25 When a light ray passes through a rectangular glass slab, the emergent ray is _____.

- Ans
- ☐ A. Along the same line as the incident ray
 - ☒ B. Parallel to the incident ray but shifted sideward
 - ☐ C. Bent toward the normal without displacement
 - ☐ D. Perpendicular to the incident ray

Section : Mathematics

Q.26 Find the square of the product of the median and mean, given that the mode is 3 and is $\frac{3}{2}$ times the mean.

- Ans
- ☐ A. $169\frac{7}{9}$
 - ☐ B. $189\frac{7}{9}$
 - ☐ C. $18\frac{7}{9}$
 - ☒ D. $21\frac{7}{9}$

Q.27 An athletic track forms a shape consisting of a rectangle with semicircles on two opposite ends. If the straight portions are each 100 metres long and the total perimeter of the track is 400 metres, what is the radius of each semicircular end (rounded off to two decimal places)?

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

- Ans**
- ☐ A. 32.43 metres
 - ☒ B. 31.82 metres
 - ☐ C. 30.23 metres
 - ☐ D. 33.73 metres

Q.28 A seller sells two fruits, apples and bananas. An apple costs ₹20 and a banana costs ₹10. Ravi buys 6 fruits and pays ₹80. How many more bananas did he buy than apples?

- Ans**
- ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☒ D. 2

Q.29 A and B working together can do a piece of work in 3 days. B alone can do the same work in 12 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☐ A. 9
 - ☐ B. 4
 - ☐ C. 11
 - ☒ D. 8

Q.30 A dealer purchased a ceiling fan for ₹391. After allowing a discount of 31% on its marked price, he still gains 68%. Find the marked price of the ceiling fan.

- Ans**
- ☐ A. ₹994
 - ☐ B. ₹927
 - ☐ C. ₹902
 - ☒ D. ₹952

Q.31 The sides of a triangle are 87 cm, 108 cm, and 75 cm. What is the length (in cm) of its altitude corresponding to the side with a length of 108 cm?

- Ans**
- ☐ A. 41
 - ☒ B. 60
 - ☐ C. 24
 - ☐ D. 17

Q.32 In an election with two candidates, 8% of the registered voters did not vote, and 120 voters submitted blank ballots. Among the votes cast, the winning candidate received support from 48% of all registered voters and secured 780 more votes than the other candidate. Determine the total number of voters on the list.

- Ans**
- ☐ A. 17,800
 - ☒ B. 16,500
 - ☐ C. 15,690
 - ☐ D. 14,840

Q.33 How many seconds will a boy take to run one complete round around a square field of side 25 metres, if he runs at a speed of 4 km/hr?

- Ans** ☒ A. 90
☐ B. 80
☐ C. 70
☐ D. 100

Q.34 DMART is offering Buy 30, get 11 free on grocery items. What is the net percentage discount being offered by DMART? (Correct up to two decimal places)

- Ans** ☒ A. 26.83%
☐ B. 24.84%
☐ C. 28.04%
☐ D. 23.99%

Q.35 Simplify: $\sqrt{51 - \sqrt{7}} + \sqrt{11 - 4\sqrt{7}}$

- Ans** ☐ A. 5
☒ B. 7
☐ C. 10
☐ D. 11

Q.36 A fruit vendor buys 10 kg of apples at ₹85/kg and sells them at ₹100/kg. What is his total profit?

- Ans** ☐ A. ₹180
☐ B. ₹120
☒ C. ₹150
☐ D. ₹140

Q.37 The amount on a sum of ₹2,500 at the rate of 14% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☐ A. ₹2,497
☐ B. ₹3,184
☐ C. ₹2,877
☒ D. ₹3,249

Q.38 If the mean proportional of X and 147 is 84, then find the value of X.

- Ans** ☒ A. 48
☐ B. 49
☐ C. 45
☐ D. 50

Q.39 The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 5.6 m away from the wall. Find the length of the ladder.

- Ans** ☐ A. 14.2 m
☐ B. 12.2 m
☒ C. 11.2 m
☐ D. 10.2 m

Q.40 The sides of a triangle are 34 cm, 18 cm and 20 cm. What is the length of its altitude corresponding to the side with the length of 18 cm?

- Ans ☒ A. 22 cm
☒ B. 16 cm
☒ C. 42 cm
☒ D. 63 cm

Q.41 The value of $(1 - \frac{1}{2})(1 - \frac{1}{3})(1 - \frac{1}{4})(1 - \frac{1}{5})\dots\dots\dots(1 - \frac{1}{m})$ is eq



- Ans ☒ A. m
☒ B. $\frac{1}{m}$
☒ C. m - 1
☒ D. m + 1

Q.42 If 20% of 10% of $\frac{2}{3}$ of a number is 697, find the number.

- Ans ☒ A. 52290
☒ B. 52275
☒ C. 56260
☒ D. 52990

Q.43 The Rajdhani Express and Garib Rath Express run in the same direction with speeds of 87 km/hr and 51 km/hr, respectively, and their lengths are the same. What is the length of the Rajdhani Express if it completely crosses the Garib Rath Express in 175 seconds?

- Ans ☒ A. 883 m
☒ B. 875 m
☒ C. 880 m
☒ D. 867 m

Q.44 The price of a commodity decreases by 5% in the first week and then increases by 8% in the second week. What is the effective percentage increase in the price after the second week?

- Ans ☒ A. 1.5%
☒ B. 2.6%
☒ C. 3%
☒ D. 0.8%

Q.45 If P is a prime number, what is the HCF of P and P + 1?

- Ans ☒ A. P
☒ B. 1
☒ C. P2 + P
☒ D. P2 + 1

Q.46 The average age of 30 students of a class is 19 years. If the age of the teacher is also included, the average age of the whole group becomes 20 years. The age (in years) of the teacher is:

- Ans ☒ A. 50
☒ B. 54
☒ C. 58
☒ D. 52

Q.47 ₹10,279 is divided among A, B, and C in such a way that if ₹67, ₹33, and ₹13 are deducted from their respective shares, they have money in the ratio 4 : 2 : 20. Find the difference between B's and C's original shares.

- Ans** ☒ A. ₹7018
☒ B. ₹7188
☒ C. ₹7138
☒ D. ₹6988

Q.48 Two pipes, P and Q, can fill a cistern in 37 minutes 30 seconds and 45 minutes, respectively. Both pipes are opened simultaneously. The cistern gets completely filled in exactly 30 minutes if pipe Q is turned off after x minutes. Find x.

- Ans** ☒ A. 9
☒ B. 7
☒ C. 12
☒ D. 8

Q.49 Juli is 24 years older than her daughter. In 6 years, Juli's age will be double that of her daughter. What is the present age (in years) of Juli?

- Ans** ☒ A. 42
☒ B. 24
☒ C. 48
☒ D. 30

Q.50 Given $x + y = 4$, and $xy = 2$, what is $x^2 + y^2$?

- Ans** ☒ A. 12
☒ B. 14
☒ C. 16
☒ D. 10

Section : General Intelligence and Reasoning

Q.51 A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits third to the right of F. B sits second to the left of E. C sits second to the right of A. D sits to the immediate right of C. How many people sit between E and D, when counted from the left of D?

- Ans** ☒ A. None
☒ B. Four
☒ C. Two
☒ D. One

Q.52 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. OQR
☒ B. EGH
☒ C. BEE
☒ D. TWV

Q.53 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. TXT
☐ B. EID
☐ C. HLG
☐ D. KOJ

Q.54 LR 9 is related to PT 3 in a certain way. In the same way, TS 13 is related to XU 7. To which of the given options is GE 19 related, following the same logic?

- Ans** ☐ A. NJ 12
☐ B. BG 14
☐ C. JK 11
☒ D. KG 13

Q.55 In a certain code language, 'door win king' is coded as 'ab ap ly' and 'win key mom' is coded as 'dw tc ap'. How is 'win' coded in that language?

- Ans** ☒ A. ap
☐ B. ab
☐ C. ly
☐ D. dw

Q.56 Mr. Z starts from Point A and drives 13 km towards the South. He then takes a left turn, drives 15 km, then turns left and drives 27 km. He then takes a left turn and drives 31 km. He takes a final left turn, drives 14 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. 19 km to the west
☐ B. 17 km to the east
☒ C. 16 km to the east
☐ D. 18 km to the south

Q.57 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 8 8 2 9 1 9 7 2 9 5 9 3 6 4 9 7 2 2 2 7 4 5 8 1 7 9 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. Eight
☐ B. Seven
☒ C. Six
☐ D. Five

Q.58 Seven boxes B, D, E, P, S, T and W are kept one over the other but not necessarily in the same order.

W is kept second from the bottom. Only three boxes are kept between W and B. P is kept at one of the positions below W. Only D is kept between B and S. E is kept at one of the positions above B.

How many boxes are kept between P and E?

- Ans** ☐ A. One
☐ B. Four
☒ C. Five
☐ D. Three

Q.59 What should come in place of the question mark (?) in the given series?

24 41 58 75 92 ?

- Ans** ☒ A. 109
☐ B. 113
☐ C. 105
☐ D. 117

Q.60 Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only.
(NOTE: All numbers are single-digit numbers only.)

(Left) % * 7 % € % 2 # € \$ € © 9 5 6 # 9 & 6 % 7 & (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☒ A. 1
☐ B. 0
☐ C. 3
☐ D. 2

Q.61 NK 16 is related to QN 12 in a certain way. In the same way, PS 20 is related to SV 16. To which of the given options is BX 30 related, following the same logic?

- Ans** ☐ A. EB 26
☐ B. EA 34
☒ C. EA 26
☐ D. FB 26

Q.62 Preethi ranked 6th from the top and 12th from the bottom in her class. How many students are there in the class?

- Ans** ☒ A. 17
☐ B. 16
☐ C. 20
☐ D. 19

Q.63 What should come in place of the question mark (?) in the given series?

256 258 262 268 ? 286

- Ans** ☒ A. 276
☐ B. 278
☐ C. 280
☐ D. 274

Q.64 Akshay starts from Point M and drives 8 km towards the east. He then takes a right turn, drives 5 km, turns left and drives 3 km. He then takes a right turn and drives 7 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 5 km and stops at Point P. How far(shortest distance) and in which direction is Point P with respect to Point M?

(All turns are 90° turns only unless specified.)

- Ans** ☐ A. 6 km towards south
☐ B. 9 km towards north
☐ C. 3 km towards north
☒ D. 7 km towards south

Q.65 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1245367, how many digits will appear more than once in the new number thus formed?

- Ans** ☒ A. Two
☒ B. Three
☒ C. One
☒ D. None

Q.66 What should come in place of the question mark (?) in the given series, based on the English alphabetical order?

SWZ QUX OSV MQT ?

- Ans** ☒ A. KOR
☒ B. KOS
☒ C. KPR
☒ D. KPS

Q.67 Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)
(Left) 3 @ © 6 5 € € 3 3 8 € % 2 7 6 # 7 * £ € 9 \$ (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. One
☒ B. Zero
☒ C. Two
☒ D. Three

Q.68 Each of the digits in the number 6325894 is arranged in descending order from right to left. Calculate the sum of digits whose position(s) remain(s) unchanged as compared to that in the original number and the lowest digit.

- Ans** ☒ A. 10
☒ B. 8
☒ C. 12
☒ D. 17

Q.69 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 machines are anchors.
Some anchors are wheels.

Conclusions:

(I): Some machines are wheels.
(II): All wheels are anchors.

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

Q.70 What should come in place of the question mark (?) in the given series?

517 520 525 532 541 ?

- Ans** ☒ A. 552
☐ B. 551
☐ C. 554
☐ D. 553

Q.71 In a certain code language, 'LAVS' is coded as '3812' and 'VALE' is coded as '1342'. What is the code for 'E' in the given code language?

- Ans** ☐ A. 2
☐ B. 3
☒ C. 4
☐ D. 1

Q.72 O, P, Q, R, W, X and Y are sitting in a straight line facing north. Only two people sit to the right of X. Only two people sit between X and Q. Only two people sit between O and P. P sits to the immediate left of X. R sits to the immediate right of Y. Who sits at the third position from the left end of the line?

- Ans** ☐ A. O
☒ B. W
☐ C. P
☐ D. Y

Q.73 If 'A' stands for 'x', 'B' stands for '+', 'C' stands for '÷' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

16 B 4 D 8 A 3 C 28 = ?

- Ans** ☒ A. 8
☐ B. 11
☐ C. 6
☐ D. 10

Q.74 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NOK-JKG

EFB-ABX

- Ans** ☐ A. TTO-OPL
☐ B. TTO-PQM
☐ C. TUQ-OQL
☒ D. TUQ-PQM

Q.75 A, B, C, E, F, P, and Q are sitting around a circular table, facing the centre. A sits fourth to the left of C. P sits fourth to the right of B. Only two people sit between C and B, when counted from the left of C. E is not an immediate neighbour of P or B. F is not an immediate neighbour of P. Who sits third to the right of Q?

- Ans** ☒ A. F
☐ B. P
☐ C. B
☐ D. C

Q.76 In a certain code language,
P + Q means 'P is the mother of Q',
P # Q means 'P is the wife of Q',
P & Q means 'P is the brother of Q',
P % Q means 'P is the father of Q'.

How is I related to M if 'I # J % B & L + M'?

- Ans**
- ☐ A. Mother's sister
 - ☐ B. Father's sister
 - ☐ C. Father's mother
 - ☒ D. Mother's mother

Q.77 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

No Judges are Accountants.
Some Accountants are Nurses.
All Nurses are Librarians.

Conclusions:

(I) No Judges are Nurses.
(II) Some Accountants are Librarians.

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

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(44, 52, 18)
(50, 56, 22)

- Ans**
- ☐ A. (41, 82, 1)
 - ☐ B. (19, 14, 13)
 - ☒ C. (30, 22, 19)
 - ☐ D. (42, 78, 4)

Q.79 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
FIM19 GJN26 HKO33 ILP40 ?

- Ans**
- ☒ A. JMQ47
 - ☐ B. JMR48
 - ☐ C. JMQ48
 - ☐ D. JMR47

Q.80 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 5 2 3 6 9 5 1 4 7 8 5 2 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Two
 - ☐ B. Three
 - ☒ C. One
 - ☐ D. Four

Section : General Awareness and Current Affairs

Q.81 Who among the following won the 2025 Abel Prize for contributions to algebraic analysis and representation theory?

- Ans**
- ☒ A. Masaki Kashiwara
 - ☐ B. Terence Tao
 - ☐ C. Joel Mokyr
 - ☐ D. Philippe Aghion

Q.82 Which district in Arunachal Pradesh saw the inauguration of a Khelo India multipurpose hall in 2025?

- Ans**
- ☐ A. Lohit
 - ☒ B. Kamle
 - ☐ C. Itanagar
 - ☐ D. Tawang

Q.83 Which athlete set a new American outdoor record in the men's 5000 m with a time of 12 : 45.27?

- Ans**
- ☐ A. Grant Fisher
 - ☐ B. Cole Hocker
 - ☒ C. Nico Young
 - ☐ D. Yared Nuguse

Q.84 According to a July 2025 report by the Centre for Science and Environment, all mega cities in India—including Kolkata, Bengaluru, Mumbai, Hyderabad and Chennai—saw high concentrations of which pollutant(s) during the summer of 2025?

- Ans**
- ☐ A. Volatile organic compounds
 - ☒ B. Ground-level ozone
 - ☐ C. Black carbon
 - ☐ D. Nitrogen oxides

Q.85 In November 2025, Narendra Modi presented a revolutionary indigenous innovation of India, as the country's indigenous quantum security chip called:

- Ans**
- ☐ A. Quantum Cyber Defence Chip (QCDC)
 - ☒ B. Quantum Security Integrated Processor (QSIP)
 - ☐ C. Indian Quantum Encryption Module (IQEM)
 - ☐ D. Next-Gen Quantum Shield Chip (NQSC)

Q.86 During which of the following editions of the National Finite Element Developers' meeting did Indian Space Research Organisation (ISRO) unveil the latest version of Finite Element Analysis of Structures (FEAST) software in February 2025?

- Ans** ☒ A. 8th
☐ B. 10th
☐ C. 6th
☐ D. 4th

Q.87 The Constitutional Amendment Bill introduced in August 2025 prevents individuals in jail from holding which of the following positions?

- Ans** ☐ A. Heads of universities and colleges
☐ B. Directors of private corporations
☐ C. Senior bank executive roles
☒ D. Constitutional roles like Prime Minister and Chief Ministers

Q.88 In March 2025, which three Central Asian countries signed the Khujand Treaty to settle border disputes?

- Ans** ☐ A. Kazakhstan, Uzbekistan, Kyrgyzstan
☐ B. Turkmenistan, Uzbekistan, Tajikistan
☒ C. Tajikistan, Kyrgyzstan, Uzbekistan
☐ D. Kazakhstan, Tajikistan, Turkmenistan

Q.89 The 115th executive council meeting of the All-India Mayor Council was held on 15-16 June 2025 in which city?

- Ans** ☐ A. New Delhi
☒ B. Panchkula
☐ C. Agra
☐ D. Mumbai

Q.90 The 24th edition of the World Sustainable Development Summit 2025, organised by TERI, commenced in _____.

- Ans** ☐ A. Hyderabad
☒ B. New Delhi
☐ C. Mumbai
☐ D. Bengaluru

Q.91 According to GS Krishnan, which of the following sectors are highlighted in the India BioEconomy Report, 2025?

- Ans** ☒ A. BioPharma, BioIndustrial, BioAgri, and BioServices
☐ B. BioEnergy, BioIndustrial, BioPharma, and BioServices
☐ C. BioAgri, BioPharma, Renewable Energy, and BioMedical
☐ D. BioPharma, BioAgri, BioServices, and Robotics Biotech

Q.92 As per the survey conducted by the Yale Program on Climate Change Communication and CVoter from December 5, 2024, to February 18, 2025, what percentage of Indians reported experiencing severe air pollution in the past 12 months?

- Ans** ☐ A. 62%
☒ B. 52%
☐ C. 80%
☐ D. 73%

Q.93 Which of the following financial bodies imposed a penalty of ₹54.78 crore on 353 regulated entities in FY25?

- Ans**
- ☐ A. Securities and Exchange Board of India (SEBI)
 - ☐ B. NSDL Payments Bank
 - ☐ C. National Payments Corporation of India (NPCI)
 - ☒ D. Reserve Bank of India (RBI)

Q.94 In September 2025, Indian cricket team refused to accept the Asia Cup trophy from Asian Cricket Council president and Interior Minister of ____.

- Ans**
- ☐ A. Bangladesh
 - ☐ B. Afghanistan
 - ☒ C. Pakistan
 - ☐ D. Sri Lanka

Q.95 Where was the Khelo India Winter Games 2025 second phase held?

- Ans**
- ☐ A. Auli
 - ☐ B. Leh
 - ☐ C. Manali
 - ☒ D. Gulmarg

Q.96 Who took charge as the Chief Election Commissioner of India on 19 February 2025, under the new provisions of the 2023 appointment act?

- Ans**
- ☐ A. Rajiv Kumar
 - ☒ B. Gyanesh Kumar
 - ☐ C. Sukhbir Singh Sandhu
 - ☐ D. Anup Chandra Pandey

Q.97 Where were the 2025 Asian Athletics Championships held?

- Ans**
- ☐ A. Bangladesh
 - ☐ B. China
 - ☒ C. South Korea
 - ☐ D. India

Q.98 Which of the following ministries launched the Aadhaar Good Governance Portal to streamline approval process for Aadhaar authentication requests and to make Aadhaar more people-friendly, enable ease of living, and enable better access to services for people?

- Ans**
- ☐ A. Ministry of Personnel, Public Grievances and Pensions
 - ☒ B. Ministry of Electronics and Information Technology
 - ☐ C. Ministry of Social Justice and Empowerment
 - ☐ D. Ministry of Statistics and Programme Implementation

Q.99 SBM Bank India entered into a bancassurance partnership with which among the following companies in May 2025?

- Ans**
- ☐ A. Life Insurance Corporation of India
 - ☐ B. Axis Max Life Insurance Co. Ltd.
 - ☐ C. Kotak Life Insurance Co. Ltd.
 - ☒ D. ICICI Prudential Life Insurance

Q.100 What was the name of the bilateral Indo-French military drill held from 18 June to 1 July 2025 at Camp Larzac?

- Ans**
- ☐ A. Prithvi 2025
 - ☐ B. Trishul 2025
 - ☐ C. Vikas 2025
 - ☒ D. Shakti 2025



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Vasantdada Patil Institute Management Studies And Research
Test Date	17/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The chemical formula of the compound sodium carbonate is represented as:

- Ans ☒ A. Na_2CO_3
☐ B. Na_3CO_2
☐ C. Na_3CO_3
☐ D. Na_3CO_4

Q.2 A man contracts HIV even though his partner is healthy. Which of the following behaviours from his personality could explain this?

- Ans ☐ A. Using sterilised needles
☐ B. Maintaining a healthy diet
☐ C. Having protected sex
☒ D. Having multiple unprotected sexual partners

Q.3 Brass is an example of:

- Ans ☐ A. a compound
☐ B. an element
☒ C. a homogeneous mixture
☐ D. a heterogeneous mixture

Q.4 Esters are formed by the reaction of:

- Ans ☐ A. alcohol and aldehyde in the presence of dehydrating agent
☐ B. alcohol and acid at low pressure
☐ C. alcohol and acid in basic medium
☒ D. alcohol and acid in acidic medium

Q.5 A sound wave has a frequency of 1600 Hz. If the wavelength of the wave is 0.2 m, what will be the speed of the wave?

- Ans ☐ A. 32 m/s
☒ B. 320 m/s
☐ C. 800 m/s
☐ D. 8000 m/s

Q.6 A stone is thrown downward with an initial velocity of 5 m/s. After 2 seconds, its final velocity v (taking $g = 10 \text{ m/s}^2$) will be:

- Ans**
- ☒ A. 20 m/s
 - ☒ B. 25 m/s
 - ☒ C. 5 m/s
 - ☒ D. 10 m/s

Q.7 In the case of unbalanced forces acting on an object, the acceleration (a) produced is in the direction of the _____.

- Ans**
- ☒ A. largest force
 - ☒ B. initial velocity
 - ☒ C. net force (resultant force) acting on the object
 - ☒ D. force of friction

Q.8 Carbon forms many compounds because of:

- Ans**
- ☒ A. Catenation and tetravalency
 - ☒ B. High atomic mass and large size
 - ☒ C. Reactivity with noble gases
 - ☒ D. Ability to form ionic crystals

Q.9 Which of the following statements about resistivity is correct?

- Ans**
- ☒ A. It depends only on the nature and temperature of the material
 - ☒ B. It changes with the shape of the conductor
 - ☒ C. It decreases when the length increases
 - ☒ D. It increases with the cross-sectional area

Q.10 The bud in Hydra:

- Ans**
- ☒ A. develops on a stalk
 - ☒ B. forms through spores
 - ☒ C. grows as an outgrowth
 - ☒ D. forms inside the parent's body

Q.11 Blood is called a connective tissue because _____.

- Ans**
- ☒ A. it is found only in muscles
 - ☒ B. it is red in colour
 - ☒ C. it supports bones
 - ☒ D. it connects and transports material throughout the body

Q.12 Which of the following is INCORRECT about meristematic tissues?

- Ans**
- ☒ A. Actively dividing cells
 - ☒ B. Presence of vacuoles
 - ☒ C. Lack of vacuoles
 - ☒ D. Thin walled

Q.13 If Girl A takes 20 s and Girl B takes 50 s to climb a rope, both performing 3200 J of work, their difference in performance is characterised by which physical concept?

- Ans**
- ☒ A. Total energy consumed
 - ☒ B. Gravitational force
 - ☒ C. Total displacement
 - ☒ D. Power

Q.14 Which of the following statement is INCORRECT about simple permanent tissue?

- Ans**
- ☒ A. Sclerenchyma is the most common simple permanent tissue
 - ☐ B. Food storage occurs in simple permanent tissue
 - ☐ C. It founds few layers beneath the epidermis
 - ☐ D. Simple permanent tissue is generally composed of living cells

Q.15 An object moves 10 m in 2 s. On a distance-time graph, what is the slope?

- Ans**
- ☒ A. 5 m/s
 - ☐ B. 20 m/s
 - ☐ C. 8 m/s
 - ☐ D. 10 m/s

Q.16 Which type of spherical mirror has its reflecting surface curved outwards and possesses a centre of curvature C that lies behind the mirror?

- Ans**
- ☐ A. Plane mirror
 - ☐ B. Concave mirror
 - ☐ C. Converging mirror
 - ☒ D. Convex mirror

Q.17 A convex mirror is generally used as a rear-view mirror in vehicles because it:

- Ans**
- ☒ A. Produces a wider field of view
 - ☐ B. Produces real and inverted images
 - ☐ C. Absorbs most of the light rays
 - ☐ D. Produces magnified images

Q.18 The colour of silver chloride changes when placed in sunlight for some time due to the:

- Ans**
- ☐ A. Displacement reaction by oxygen and water
 - ☐ B. Combination reaction of silver chloride with oxygen
 - ☐ C. Thermal decomposition of silver chloride
 - ☒ D. Photochemical decomposition of silver chloride by sunlight

Q.19 Which of the following is NOT a molecule of a compound?

- Ans**
- ☐ A. CH₄
 - ☐ B. HCl
 - ☒ C. O₃
 - ☐ D. NH₃

Q.20 Which of the following belongs to the alkyne group?

- Ans**
- ☐ A. C₃H₈
 - ☒ B. C₃H₄
 - ☐ C. C₂H₄
 - ☐ D. C₆H₆

Q.21 Which of the following statements regarding the need for macronutrients in plants is correct?

- Ans**
- ☒ A. Macronutrients are required by plants in large quantities for proper growth and development.
 - ☐ B. Macronutrients are less important than micronutrients.
 - ☐ C. Macronutrients are only required during the flowering stage.
 - ☐ D. Plants can survive without macronutrients.

Q.22 What is the benefit of developing dwarf broiler parents in poultry?

- Ans
- ☐ A. To lay larger eggs
 - ☐ B. To increase flight ability
 - ☒ C. To reduce feed consumption and improve meat yield
 - ☐ D. To make them resistant to rain

Q.23 Which gas reacts with sodium hydroxide to form sodium bicarbonate and sodium carbonate?

- Ans
- ☐ A. SO_2
 - ☒ B. CO_2
 - ☐ C. NO_2
 - ☐ D. CO

Q.24 A long straight wire carries a current I , and the magnetic field at a distance r from the conductor is B . If the distance from a straight current-carrying wire is doubled, what will be the magnetic field at that point?

- Ans
- ☐ A. B
 - ☐ B. Zero
 - ☐ C. $2B$
 - ☒ D. $B/2$

Q.25 Which of the following statements is/are correct regarding sexual reproduction in plants?

Statement A: After fertilisation, the zygote divides several times to form an embryo within the ovule

Statement B: The ovule develops a tough coat and is gradually converted into a seed.

- Ans
- ☐ A. Neither statement A nor B
 - ☐ B. Only statement B
 - ☐ C. Only statement A
 - ☒ D. Both statements A and B

Section : Mathematics

Q.26 A man observes the top of a building at an angle of elevation 45° . If the building is 20 m high, find the distance of the man from the building.

- Ans
- ☐ A. 30 m
 - ☐ B. 35 m
 - ☒ C. 20 m
 - ☐ D. 25 m

Q.27 For what value of x will the equation $(x + 5)^2 - (x - 5)^2 = 80$ be true?

- Ans
- ☐ A. 6
 - ☒ B. 4
 - ☐ C. 5
 - ☐ D. 3

Q.28 If the mode of a data exceeds its mean by 27.3, then the mode exceeds the median by _____. (Use empirical formula to find the answer.)

- Ans
- ☐ A. 15.8
 - ☐ B. 27.1
 - ☒ C. 18.2
 - ☐ D. 24.9

Q.29 The sum of three numbers is 180. If the ratio of the second number to the first number is 14:7 and that of the third number to the second number is 15:15, then find the second number.

- Ans ☐ A. 74
☐ B. 71
☐ C. 70
☒ D. 72

Q.30 The amount on a sum of ₹7,500 at 8% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☐ A. ₹9,355
☐ B. ₹8,989
☐ C. ₹9,135
☒ D. ₹8,748

Q.31 If the radius of a sphere is increased by 15%, then find the percentage increase in its volume. (Rounded up to 2 decimal places.)

- Ans ☒ A. 52.09%
☐ B. 23.20%
☐ C. 80.25%
☐ D. 41.67%

Q.32 If the cost price of 30 chairs is equal to the selling price of 40 chairs, find the loss percentage.

- Ans ☐ A. 23%
☐ B. 17%
☒ C. 25%
☐ D. 19%

Q.33 In a student body election, 5% of the eligible voters are aged 18–21 years, 12% are aged 21–25 years, and the rest are older than 25 years. Among these groups, 80% of the 18–21 year age group and 60% of the 21–25 year age group actually voted. If the number of voters aged 21–25 years who voted exceeds those aged 18–21 years by 320, what is the difference between the number of eligible voters aged 18–21 years and those aged 21–25 years?

- Ans ☐ A. 500
☐ B. 600
☒ C. 700
☐ D. 800

Q.34 $\frac{1}{20}$ is what percentage of $\frac{10}{30}$?

- Ans ☐ A. 25%
☐ B. 35%
☐ C. 30%
☒ D. 15%

Q.35 A solid cylinder has a height of 12 cm and a radius of r cm. A part of the cylinder is melted and molded into two cones. One cone has a radius of 3 cm and a height of 4 cm, while the other cone has a radius of 6 cm and a height of 8 cm. If the ratio of the curved surface area of the original cylinder to the sum of the curved surface areas of the two cones is 4 : 1, find the value of $2r$.

- Ans**
- ☐ A. 26
 - ☐ B. 24
 - ☒ C. 25
 - ☐ D. 27

Q.36 Bharat goes to a shop to purchase a toy train priced at ₹5,000. He is offered 4 discount options by the shopkeeper. Which of these options should he opt for to gain maximum advantage of the discount offered?

- Ans**
- ☐ A. Two successive discounts of 30% each
 - ☐ B. Two successive discounts of 24% and 25%
 - ☒ C. Two successive discounts of 44% and 18%
 - ☐ D. Single discount of 22%

Q.37 The selling price of an iPhone is ₹3,300, after allowing two successive discounts of 36% and 25%. Find the marked price of the iPhone.

- Ans**
- ☐ A. ₹6,769
 - ☒ B. ₹6,875
 - ☐ C. ₹6,983
 - ☐ D. ₹6,815

Q.38 A, B and C can do a piece of work in 3, 12 and 4 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☐ A. 6
 - ☐ B. 4
 - ☐ C. 9
 - ☒ D. 3

Q.39 The sum of the first 11 prime numbers is:

- Ans**
- ☒ A. 160
 - ☐ B. 162
 - ☐ C. 164
 - ☐ D. 165

Q.40 A train travels at a speed of 72 km/hr. How long will it take to cover a distance of 180 km?

- Ans**
- ☒ A. 2.5 hours
 - ☐ B. 2.1 hours
 - ☐ C. 2.4 hours
 - ☐ D. 2.7 hours

Q.41 At present, the ratio of the ages of Meena and Sita is 5 : 4 and sixteen years from now, the ratio will get changed to 9 : 8. Find the present age of Meena.

- Ans**
- ☐ A. 23 years
 - ☒ B. 20 years
 - ☐ C. 21 years
 - ☐ D. 22 years

Q.42 The sum of two numbers is 45 and their difference is 9. Find the smaller number.

- Ans
- ☐ A. 15
 - ☐ B. 12
 - ☒ C. 18
 - ☐ D. 20

Q.43 102 men have provisions for 30 weeks. They are joined by 68 men. How long (in weeks) will the provisions last?

- Ans
- ☒ A. 18
 - ☐ B. 20
 - ☐ C. 16
 - ☐ D. 22

Q.44 In a triangle MNR, the bisectors of $\angle MNR$ and $\angle MRN$ are respectively. If $\angle M = 60^\circ$ and $\angle MRN = 66^\circ$, then the value of $\angle RON$ is:



- Ans
- ☐ A. 30°
 - ☐ B. 110°
 - ☒ C. 120°
 - ☐ D. 130°

Q.45 The trains Rajdhani Express and Garib Rath Express run in the same direction with speeds of 101 km/hr and 65 km/hr, respectively, and their lengths are same. What is the length of Rajdhani Express if it completely crosses Garib Rath Express in 66 seconds?

- Ans
- ☐ A. 338 m
 - ☐ B. 322 m
 - ☒ C. 330 m
 - ☐ D. 326 m

Q.46 The average age of 31 students of a class is 34 years. If the age of the teacher is also included, the average age of the whole group becomes 35 years. The age (in years) of the teacher is:

- Ans
- ☐ A. 69
 - ☒ B. 66
 - ☐ C. 67
 - ☐ D. 63

Q.47 The monthly incomes of two friends Shivam and Rupesh, are in the ratio 5 : 8, respectively, and each of them saves ₹81,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of Shivam (in ₹).

- Ans
- ☒ A. 1,01,250
 - ☐ B. 1,02,250
 - ☐ C. 1,41,750
 - ☐ D. 1,00,250

Q.48 The ratio of 20 hours to 7 days is equivalent to which of the following?

- Ans
- ☐ A. 4:43
 - ☒ B. 5:42
 - ☐ C. 2:47
 - ☐ D. 20:7

Q.49

Simplify the following expression.

$$\frac{(256)^4 \times (125)^3 \times (81)^5}{(64)^5 \times (25)^4 \times (27)^6}$$

Ans

☐ A. 60

☒ B. 180

☐ C. 120

☐ D. 150

Q.50

In how many minutes will a cistern be filled if three pipes with diameters 2 cm, 3 cm and 4 cm are opened together, given that the largest pipe alone can fill it in 87 minutes? (Assume the rate of flow of water through each pipe is proportional to the square of its diameter.)

Ans

☒ A. 48

☐ B. 36

☐ C. 50

☐ D. 40

Section : General Intelligence and Reasoning

Q.51

In a certain code language,
A ± B means 'A is the wife of B',
A * B means 'A is the son of B',
A ₹ B means 'A is the father of B',
and A # B means 'A is the sister of B'.

How is D related to O if 'D # R * A ₹ C ± O'?

Ans

☐ A. Wife

☐ B. Sister

☐ C. Mother's sister

☒ D. Wife's sister

Q.52

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

KR37 MT45 OV53 QX61 ?

Ans

☐ A. SY69

☐ B. SY68

☐ C. SZ68

☒ D. SZ69

Q.53

In the following series, numbers are written using some special pattern but one number is incorrect. That INCORRECT number is:

10, 27, 78, 233, 690, 2067

Ans

☐ A. 10

☐ B. 78

☒ C. 233

☐ D. 2067

Q.54 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. QOP
 - ☐ B. MKL
 - ☐ C. ECD
 - ☒ D. SRR

Q.55 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:

No Porcupines are Bears.

All Bears are Leopards.

Some Leopards are Jaguars.

Conclusions:

(I) Some Porcupines are Leopards.

(II) Some Bears are Jaguars.

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

Q.56 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$24 \times 3 + 6 - 2 \div 8 = ?$$

- Ans
- ☒ A. 4
 - ☐ B. 15
 - ☐ C. 11
 - ☐ D. 7

Q.57 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ A. EG - MO
 - ☒ B. KM - SV
 - ☐ C. CE - KM
 - ☐ D. BD - JL

Q.58 Which numbers should come in place of the question mark (?) in the same sequence to make the series logically complete?

2, 5 7, 10, 14, 17, 23, 26 34 ? 47 ?

- Ans
- ☐ A. 34, 50
 - ☐ B. 33, 50
 - ☒ C. 37, 50
 - ☐ D. 33, 51

Q.59 Seven people B, C, D, I, J, K and L are sitting in a straight line facing north. Only two people sit between L and J. Only J sits to the right of D. Only three people sit between D and C. K sits at some place to the left of B but at some place to the right of I. How many people sit between I and B?

- Ans** ☒ A. Two
☒ B. Three
☒ C. Four
☒ D. One

Q.60 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?

$$11\ B\ 2\ D\ 44\ A\ 4\ C\ 3 = ?$$

- Ans** ☒ A. 22
☒ B. 11
☒ C. 14
☒ D. 17

Q.61 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

YZX-WXV
XYW-VWU

- Ans** ☒ A. TUS-QSP
☒ B. TTQ-RSQ
☒ C. TTQ-QRP
☒ D. TUS-RSQ

Q.62 Mr. Akai starts from Point A and drives 15 km towards west. He then takes a left turn, drives 11 km, turns left and drives 50 km. He then takes a left turn, drives 31 km, turns left and drives 17 km. He then takes a left turn and drives 15 km. He takes a final right turn, drives 18 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 degrees turns only unless specified)

- Ans** ☒ A. 7 km to the north
☒ B. 5 km to the north
☒ C. 5 km to the west
☒ D. 5 km to the south

Q.63 Six people, A, B, C, D, E and F, are sitting in a row, facing the north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

- Ans** ☒ A. None
☒ B. Two
☒ C. One
☒ D. Three

Q.64 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept below D. Only one box is kept above G. Only one box is kept between G and C. E is kept immediately above A. F is kept at some place below B. How many boxes are kept above F?

- Ans** ☒ A. 4
☒ B. 2
☒ C. 3
☒ D. 5

Q.65 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

23 - 10 - 33

4 - 13 - 17

- Ans**
- ☒ A. 49 - 21 - 80
 - ☒ B. 50 - 22 - 72
 - ☒ C. 16 - 20 - 46
 - ☒ D. 44 - 20 - 85

Q.66 A, B, C, D, E and F are sitting around a circular table facing the centre. D sits third to the right of F. A sits second to the left of F. E sits second to the right of B. C sits to the immediate right of E. How many people sit between A and C when counted from the left of A?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Four
 - ☒ D. None

Q.67 NKMP is related to TQSV in a certain way based on the English alphabetical order. In the same way, KHJM is related to QNPS. To which of the following is SPRU related, following the same logic?

- Ans**
- ☒ A. YVWA
 - ☒ B. YVXA
 - ☒ C. YUWA
 - ☒ D. YWWF

Q.68 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
PSJ NQH LOF JMD ?

- Ans**
- ☒ A. HKB
 - ☒ B. HLA
 - ☒ C. HKA
 - ☒ D. HLB

Q.69 What should come in place of the question mark (?) in the given series?

53 62 73 86 101 ?

- Ans**
- ☒ A. 118
 - ☒ B. 115
 - ☒ C. 113
 - ☒ D. 120

Q.70 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 9 1 6 7 7 2 8 3 4 3 3 2 7 9 9 5 4 6 7 3 6 3 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☒ A. One
☒ B. Two
☒ C. Three
☒ D. Four

Q.71 If 'A' stands for 'x', 'B' stands for '+', 'C' stands for '÷' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

20 B 5 D 8 A 3 C 14 A 4 = ?

- Ans** ☒ A. 36
☒ B. 38
☒ C. 39
☒ D. 34

Q.72 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 2 1 7 7 9 6 9 1 3 7 9 6 4 2 8 1 5 7 1 4 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☒ A. 3
☒ B. 4
☒ C. 1
☒ D. 2

Q.73 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) £ 9 \$ £ £ % € 6 3 3 1 8 & 3 © # * 7 * & 3 & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. 0
☒ B. 2
☒ C. 3
☒ D. 1

Q.74 In a certain code language, 'are you ready' is coded as 'nb uc jp' and 'do you agree' is coded as 'jh jp ko'. How is 'you' coded in that language? (All codes are two-letter codes.)

- Ans** ☒ A. jp
☒ B. nb
☒ C. qc
☒ D. ko

- Q.75** 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:

All machines are tools.

All machines are equipment.

Some equipment are toys.

Conclusions:

(I): Some toys are machines.

(II): Some equipment are tools.

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

- Q.76** Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

NKL-HEF

AXY-URS

- Ans** ☒ A. WSS-QNO
☒ B. WTU-QNO
☒ C. WSS-PMN
☒ D. WTU-PNN

- Q.77** In a certain code language 'VACP' is coded as '126' and 'MHTJ' is coded as '153'. What is the code for 'OGQE' in the given language?

- Ans** ☒ A. 129
☒ B. 132
☒ C. 140
☒ D. 135

- Q.78** Refer to the following number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) 1 5 3 7 2 8 4 9 6 1 3 7 5 4 2 8 9 6 3 7 1 5 4 9 8 2 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. More than three
☒ B. Three
☒ C. Two
☒ D. One

- Q.79** Piyush starts from Point A and drives 8 km towards east. He then takes a right turn, drives 6 km, turns right and drives 11 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 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 degrees turns only unless specified)

- Ans** ☒ A. 5 km to the south
☒ B. 4 km to the north
☒ C. 4 km to the south
☒ D. 5 km to the north

Q.80 Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only two boxes are kept between S and D. Only B is kept above T. No box is kept below D. W is kept at some place below P but at some place above E. Which box is kept third above E?

- Ans**
- ☐ A. B
 - ☐ B. T
 - ☒ C. P
 - ☐ D. W

Section : General Awareness and Current Affairs

Q.81 In September 2025, which company did BCCI announce as Team India's new lead sponsor?

- Ans**
- ☒ A. Apollo Tyres
 - ☐ B. Byju's
 - ☐ C. MPL Sports
 - ☐ D. Dream11

Q.82 Why was the book 'Heart Lamp' considered unique in Booker history and won the International Booker Prize in 2025?

- Ans**
- ☐ A. First poetry book
 - ☒ B. First short story collection to win
 - ☐ C. First children's book
 - ☐ D. First biography

Q.83 Who among the following were the recipients of the 2025 Sakharov Prize for Freedom of Thought?

- Ans**
- ☐ A. Joel Mogyk and Philippe Aghion
 - ☒ B. Andrzej Poczobut and Mzia Amaglobeli
 - ☐ C. Dr. Sonali Ghosh and Peter Howitt
 - ☐ D. Sunil Amrith and Masaki Kashiwara

Q.84 Where was the National Cross-Country Championships held on January 12, 2025?

- Ans**
- ☐ A. Rajasthan
 - ☐ B. Gujarat
 - ☐ C. Karnataka
 - ☒ D. Uttar Pradesh

Q.85 What poverty rate did the State Bank of India project for India in 2024, as reported in June 2025?

- Ans**
- ☐ A. 3.6%
 - ☐ B. 2.6%
 - ☒ C. 4.6%
 - ☐ D. 1.6%

Q.86 Which organisation released the 'Global Risks Report, 2025', outlining geopolitical, environmental and technological threats?

- Ans**
- ☐ A. International Monetary Fund (IMF)
 - ☐ B. United Nations Development Programme (UNDP)
 - ☐ C. Organisation for Economic Co-operation and Development (OECD)
 - ☒ D. World Economic Forum (WEF)

Q.87 In September 2025, the Supreme Court directed the Election Commission of India to treat which of the following documents as the 12th valid proof of identity for inclusion in Bihar's revised voters' list?

- Ans**
- ✓ A. Aadhaar Card
 - ✗ B. Employment Card
 - ✗ C. Health ID
 - ✗ D. PAN Card

Q.88 Which co-operative bank's licence was cancelled by the Reserve Bank of India (RBI) in May 2025 for capital shortfall?

- Ans**
- ✓ A. HCBL Co-operative Bank
 - ✗ B. Seva Vikas Co-operative Bank
 - ✗ C. Punjab and Maharashtra Co-operative Bank
 - ✗ D. Ajantha Urban Co-operative Bank

Q.89 As per the PIB report, which of the following National Telemedicine Services has served more than 36 crore patients through teleconsultation by 6 April 2025?

- Ans**
- ✗ A. U-WIN
 - ✓ B. eSanjeevani
 - ✗ C. mHealth
 - ✗ D. T-SeHAT

Q.90 Which of the following Indian states had the honour of hosting the 38th National Games in 2025?

- Ans**
- ✗ A. Goa
 - ✗ B. Maharashtra
 - ✗ C. Karnataka
 - ✓ D. Uttarakhand

Q.91 How many consecutive Australian Open titles has Jannik Sinner won as of 2025?

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

Q.92 Where was the 19th India Digital Summit (IDS) 2025 held?

- Ans**
- ✗ A. Jaipur
 - ✗ B. Ahmedabad
 - ✓ C. New Delhi
 - ✗ D. Chennai

Q.93 Which of the following schemes, announced by the Government of India, has a total outlay of ₹1 lakh crore to support high-risk, high-impact research and innovation projects across science & technology disciplines?

- Ans**
- ✗ A. Atmanirbhar Bharat R&D Programme
 - ✗ B. National Science & Technology Fund
 - ✗ C. Digital India Innovation Fund
 - ✓ D. Research, Development & Innovation Scheme

- Q.94** In July 2025, the Union Environment ministry notified which of the following rules aimed at ensuring the remediation of chemically contaminated sites by those responsible for the contamination?
- Ans** ☐ A. Comprehensive Environmental Response, Compensation, and Liability Rules, 2025
☐ B. Environmental Restoration and Management (Pollution Control) Rules, 2025
☐ C. Hazardous Waste and Remediation Management Rules, 2025
☒ D. Environment Protection (Management of Contaminated Sites) Rules, 2025
- Q.95** According to the Sustainable Development Report 2025, what is the percentage of seats held by women in the Indian parliament?
- Ans** ☐ A. 23.9%
☐ B. 19.7%
☐ C. 28.2%
☒ D. 13.8%
- Q.96** What is the percentage of the population with access to clean fuels and technology for cooking in the Sustainable Development Report 2025?
- Ans** ☐ A. 79%
☐ B. 89.3%
☒ C. 74%
☐ D. 83%
- Q.97** Which of the following age groups is targeted under the Nurturing Aspirations through Vocational Training for Young Adolescent Girls programme, jointly launched by the Ministry of Women and Child Development and the Ministry of Skill Development and Entrepreneurship in June 2025?
- Ans** ☐ A. 18 to 21 years
☐ B. 10 to 14 years
☒ C. 16 to 18 years
☐ D. 12 to 16 years
- Q.98** Which of the following telecom providers introduced the soft launch of their homegrown Quantum 5G Fixed-Wireless-Access (FWA) system in Hyderabad on 18 June 2025?
- Ans** ☒ A. Bharat Sanchar Nigam Limited
☐ B. Reliance Jio
☐ C. Bharti Airtel
☐ D. Vodafone Idea
- Q.99** When was the Union Budget 2025–26 presented in Parliament by Finance Minister Nirmala Sitharaman?
- Ans** ☐ A. 31 January 2025
☒ B. 1 February 2025
☐ C. 3 February 2025
☐ D. 2 February 2025
- Q.100** Which world champion pole-vaulter cleared 6.28 m, setting a new world record at the Stockholm Diamond League?
- Ans** ☐ A. Ernest John Obiena
☐ B. Sam Kendricks
☐ C. Kurtis Marschall
☒ D. Mondo Duplantis



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Unique IT Point Private Limited
Test Date	19/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 What is the effect of oral contraceptive pills in the body of human females?

- Ans**
- ☒ A. They prevent maturation of primary oocyte.
 - ☐ B. They are toxic to the incoming sperms.
 - ☐ C. They block the passage of sperms in vagina.
 - ☐ D. They create a physical barrier in fallopian tube.

Q.2 When a rocket is launched upward, the forces on it are _____.

- Ans**
- ☐ A. Only gravitational
 - ☒ B. Unbalanced
 - ☐ C. Balanced
 - ☐ D. Equal in all directions

Q.3 Which of the following is NOT an abiotic resistance for crop?

- Ans**
- ☐ A. Heat
 - ☐ B. Drought
 - ☒ C. Insects
 - ☐ D. Salinity

Q.4 Refer to the two statements given below and select the correct option.

Statement A: Ethanoic acid reacts with sodium hydroxide to form sodium acetate and water.

Statement B: This reaction is neutralisation.

- Ans**
- ☐ A. Both statements A and B are incorrect.
 - ☐ B. Statement A is incorrect but statement B is correct.
 - ☐ C. Statement A is correct but statement B is incorrect.
 - ☒ D. Both statements A and B are correct.

Q.5 Which subatomic particle has a negative charge but negligible mass?

- Ans**
- ☒ A. Electron
 - ☐ B. Neutron
 - ☐ C. Nucleons
 - ☐ D. Proton

Q.6 Which part in the ovule helps in guiding the pollen tube (carrying sperm nuclei) towards the female gamete?

- Ans**
- ☐ A. Antipodal cells
 - ☒ B. Synergids
 - ☐ C. Style
 - ☐ D. Endosperm

Q.7 What is the correct symbol for the element sodium?

- Ans**
- ☐ A. So
 - ☐ B. Sd
 - ☒ C. Na
 - ☐ D. S

Q.8 The diameter of the reflecting curved surface of a spherical mirror is called _____.

- Ans**
- ☐ A. Radius of curvature
 - ☒ B. Aperture
 - ☐ C. Focal length
 - ☐ D. Pole

Q.9 Which of the following statements is correct?

- Ans**
- ☐ A. Mass changes with location
 - ☐ B. Weight is independent of gravity
 - ☒ C. Mass is the amount of matter in an object
 - ☐ D. The SI units of weight and mass are the same

Q.10 Which of the following is the correct way to reduce reverberations?

- Ans**
- ☐ A. Using hard concrete floor
 - ☐ B. Removing furniture
 - ☐ C. Using marble walls
 - ☒ D. Using sound-absorbent materials

Q.11 A wire with resistance R is cut into seven equal parts. These parts are then connected in parallel. If the equivalent resistance of this new combination is R' , what is the value of the ratio R / R' ?

- Ans**
- ☐ A. $1/7$
 - ☒ B. 49
 - ☐ C. $1/49$
 - ☐ D. 7

Q.12 According to Mendel, when a tall pea plant (TT) is crossed with a short pea plant (tt), the F₁ offspring will be:

- Ans**
- ☐ A. 75% tall (TT/Tt), 25% short (tt)
 - ☐ B. 50% tall (Tt), 50% short (tt)
 - ☐ C. all short (tt)
 - ☒ D. all tall (Tt)

Q.13 Which of the following pairs of elements has the same number of neutrons?

- Ans**
- ☐ A. Be, B
 - ☐ B. Li, Be
 - ☐ C. He, Li
 - ☒ D. B, C

Q.14 What is the purpose of anodising aluminium metals?

- Ans**
- ☒ A. To form a protective oxide layer
 - ☐ B. To make it more reactive with air
 - ☐ C. To increase its electrical conductivity
 - ☐ D. To reduce its melting point

Q.15 A characteristic feature that is NOT associated with soap is:

- Ans**
- ☐ A. hydrophobic tail
 - ☐ B. hydrophilic head
 - ☒ C. works perfectly with hard water
 - ☐ D. micelles formation

Q.16 A certain force acting on a 20 kg mass changes its velocity from 5 m/s to 2 m/s. Calculate the work done by this force.

- Ans**
- ☒ A. -210 J
 - ☐ B. 210 J
 - ☐ C. -420 J
 - ☐ D. 420 J

Q.17 Which of the following is an example of uniform circular motion?

- Ans**
- ☐ A. A car moving on a straight road
 - ☐ B. A person walking in a straight line
 - ☒ C. A satellite orbiting the Earth
 - ☐ D. A ball thrown vertically upwards

Q.18 In the context of a reflex arc, which part of the nervous system is responsible for receiving and transmitting signals from external stimuli?

- Ans**
- ☐ A. Effector muscle
 - ☒ B. Sensory neurons
 - ☐ C. Motor neurons
 - ☐ D. Relay neurons

Q.19 Pair the term to complete the analogy.

Chlorophyll : Green pigment :: Starch : ____.

- Ans**
- ☐ A. Oxygen carrier
 - ☐ B. Water source
 - ☐ C. Protein
 - ☒ D. Energy storage

Q.20 In a domestic circuit, the live wire is generally of which colour?

- Ans**
- ☐ A. Black
 - ☐ B. Green
 - ☒ C. Red
 - ☐ D. Yellow

Q.21 Which of the following statements about lysosomes is correct?

- Ans**
- ☐ A. Lysosomes synthesise proteins.
 - ☐ B. Lysosomes synthesise fats.
 - ☒ C. Lysosomes contain digestive enzymes.
 - ☐ D. Lysosomes contain growth hormones.

Q.22 Sodium, carbon and oxygen elements are present in Washing Soda. Select the **INCORRECT** symbol of these elements.

- Ans** ☒ A. SO
☒ B. Na
☒ C. O
☒ D. C

Q.23 Which of the following is true?

- Ans** ☒ A. Advanced sunrise is due to scattering and delayed sunset is due to refraction.
☒ B. Advanced sunrise and delayed sunset is due to atmospheric refraction.
☒ C. Advanced sunrise and delayed sunset is due to scattering of light.
☒ D. Advanced sunrise and delayed sunset is due to Earth's rotation only.

Q.24 The tongue helps in digestion mainly by _____.

- Ans** ☒ A. mixing food with saliva
☒ B. secreting digestive enzymes
☒ C. crushing food into smaller pieces
☒ D. absorbing nutrients

Q.25 The molecules of an element are constituted by:

- Ans** ☒ A. the same type of atoms
☒ B. the difficult type of atoms
☒ C. the complex type of atoms
☒ D. the different type of atoms

Section : Mathematics

Q.26 The prices of each article of types P, Q, and R are ₹280, ₹180 and ₹100, respectively. Kishore buys articles of each type in the ratio 3 : 4 : 5 in ₹6,180. How many articles of type Q did he purchase?

- Ans** ☒ A. 12
☒ B. 18
☒ C. 9
☒ D. 20

Q.27 Malati bought 5 rose plants and 9 jasmine plants for ₹1,410 and her friend Rani bought 6 rose plants and 5 jasmine plants for ₹1,170. Find the prices (in ₹) of 1 rose and 1 jasmine plant, respectively.

- Ans** ☒ A. 132; 94
☒ B. 115; 87
☒ C. 90; 120
☒ D. 120; 90

Q.28 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 5 February 2023 to 19 April 2023.

- Ans** ☒ A. 28
☒ B. 27
☒ C. 29
☒ D. 26

Q.29 Simplify:

$$[(3x + 5y)^2 - 60xy] \div [(3x - 5y)^2]$$

- Ans ☐ A. -2
☐ B. -1
☒ C. 1
☐ D. 2

Q.30 The number of diagonals of an n-sided regular polygon is 665. What is the value of 'n'?

- Ans ☐ A. 35
☐ B. 40
☐ C. 33
☒ D. 38

Q.31 Two trains, 232 m and 248 m in length, are running in opposite directions. The first runs at the rate of 51 km/hr and the second at the rate of 57 km/hr. How long will they take to cross each other?

- Ans ☐ A. 11 seconds
☐ B. 26 seconds
☐ C. 22 seconds
☒ D. 16 seconds

Q.32 The monthly incomes of two friends Mohan and David, are in the ratio 5 : 8, respectively, and each of them saves ₹75,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of Mohan(in ₹).

- Ans ☐ A. 92,750
☐ B. 94,750
☐ C. 1,31,250
☒ D. 93,750

Q.33 Five years ago, Meera was three times as old as her niece, Kavya. Seven years from now, Meera will be twice as old as Kavya. What is Meera's current age (in years)?

- Ans ☒ A. 41
☐ B. 43
☐ C. 39
☐ D. 45

Q.34 If m and n are positive integers and $(m - n)$ is an even number, then ()

- Ans ☐ A. 5
☐ B. 7
☐ C. 6
☒ D. 4

Q.35 In a test, B got 50 marks while A got 75 marks, out of 105 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places.)

- Ans ☐ A. 71.43%
☒ B. 66.67%
☐ C. 150.57%
☐ D. 105.12%

Q.36 The length, breadth and height of a cuboid are in the ratio 6 : 5 : 4 and

- Ans
- ☐ A. 68600 cm²
 - ☒ B. 66600 cm²
 - ☐ C. 65600 cm²
 - ☐ D. 67600 cm²

Q.37 16 m, 20 m and 24 m are the dimensions of a room. Find the length (in m) of the greatest possible scale to measure all dimensions exactly.

- Ans
- ☐ A. 9
 - ☐ B. 6
 - ☒ C. 4
 - ☐ D. 5

Q.38 A cistern has two inlet pipes, A and B, and one outlet pipe, C. Pipe A can fill the cistern alone in 15 hours, pipe B in 18 hours, and pipe C can empty it in 27 hours. For the first 5 hours, pipes A and B are opened together. Then, for the next 12 hours, pipes B and C are opened together. After that, only pipe B works. How long will pipe B alone take to fill the remaining part of the cistern?

- Ans
- ☒ A. 3 hours
 - ☐ B. 6 hours
 - ☐ C. 4 hours
 - ☐ D. 5 hours

Q.39 Find a single discount (approximately) equal to three consecutive discounts of 7%, 10% and 15%.

- Ans
- ☐ A. 29.49%
 - ☐ B. 30.16%
 - ☒ C. 28.85%
 - ☐ D. 31.22%

Q.40 ₹10,415 is divided among P, Q, and R in such a way that if ₹62, ₹17, and ₹79 are deducted from their respective shares, they have money in the ratio 15:10:14. Find the difference between the original shares of Q and R.

- Ans
- ☐ A. ₹1,152
 - ☐ B. ₹1,202
 - ☐ C. ₹902
 - ☒ D. ₹1,114

Q.41 A seller makes a loss of 5% by selling a shirt for ₹1,000. He would have made x% profit by selling for ₹1,400. Find the value of x.

- Ans
- ☐ A. 31.2
 - ☐ B. 30.5
 - ☒ C. 33
 - ☐ D. 34

Q.42 In a right – angled triangle ABC, right – angled at B, if $\tan A = \frac{3}{4}$, then

- Ans
- ☒ A. $\frac{3}{2}$
 - ☒ B. $\frac{5}{2}$
 - ☒ C. $\frac{4}{3}$
 - ☒ D. $\frac{5}{3}$

Q.43 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 87% and that of the TV decreases by 45%, then what is the percentage change in the total cost of 4 washing machines and 5 TVs?

- Ans
- ☒ A. Decrease by 9%
 - ☒ B. Increase by 4.5%
 - ☒ C. Increase by 5.2%
 - ☒ D. Decrease by 4%

Q.44 A train of length 282 m takes 12 seconds to pass over another train 24 m long. If the speed of the first train is 68 km/hr, then find the speed of the second train.

- Ans
- ☒ A. 89 km/hr
 - ☒ B. 91 km/hr
 - ☒ C. 96 km/hr
 - ☒ D. 82 km/hr

Q.45 The average of 13 numbers is 7. If each number is multiplied by 3, then what will the new average be?

- Ans
- ☒ A. 21
 - ☒ B. 7
 - ☒ C. 3
 - ☒ D. 13

Q.46 An item with a marked price of ₹657 was sold for ₹526. What was the percentage of discount given? (Round off the answer to two decimal places.)

- Ans
- ☒ A. 23.93%
 - ☒ B. 17.29%
 - ☒ C. 17.13%
 - ☒ D. 19.94%

Q.47 Find the value of x in the following expression
 $(0.36)^3 \times (0.216)^3 \div (0.1296)^3 = (60 \div 100)^{x+1}$.

- Ans
- ☒ A. 1
 - ☒ B. 2
 - ☒ C. 0
 - ☒ D. 3

Q.48 P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 24 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☒ A. 7
 - ☒ B. 6
 - ☒ C. 13
 - ☒ D. 12

Q.49 The area of a triangle is one – third of the area of a parallelogram, whose sides are 22 cm, 18 cm and 24 cm long, respectively. (Use $\sqrt{35} = 5.9$)

- Ans**
- ☒ A. 21.8 cm
 - ☒ B. 23.6 cm
 - ☒ C. 26.4 cm
 - ☒ D. 18.2 cm

Q.50 The mode of the observations 9, 6, 8, 1, 9, 6, 4, 5, 7, 1, 6, 5, 3, 6, 6, 3 and 3 is:

- Ans**
- ☒ A. 1
 - ☒ B. 8
 - ☒ C. 9
 - ☒ D. 6

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

115 85 60 40 25 ?

- Ans**
- ☒ A. 10
 - ☒ B. 15
 - ☒ C. 5
 - ☒ D. 20

Q.52 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

FACE - AFCE - ECAF
CASE - ACSE - ESAC

- Ans**
- ☒ A. TEAM - TAEM - MAET
 - ☒ B. LONG - OLNG - ONGL
 - ☒ C. MAIN - AMIN - NIAM
 - ☒ D. GONE - OGNE - EONG

Q.53 CPWG is related to XTTI in a certain way. In the same way, NILC is related to IMIE. To which of the given options is OKZD related, following the same logic?

- Ans**
- ☒ A. KPVE
 - ☒ B. JOWF
 - ☒ C. JPWE
 - ☒ D. KOVF

Q.54 What should come in place of the question mark (?) in the given series?

84 86 90 92 96 ?

- Ans**
- ☒ A. 97
 - ☒ B. 98
 - ☒ C. 100
 - ☒ D. 99

Q.55 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

YIS WKO UMK SOG ?

- Ans**
- ☒ A. QCC
 - ☒ B. QQC
 - ☒ C. QWS
 - ☒ D. QXZ

Q.56 In a certain code language, OAVY is coded as 56 and SIXT is coded as 47. What is the code for TMZB in that language?

- Ans**
- ☒ A. 58
 - ☒ B. 60
 - ☒ C. 55
 - ☒ D. 63

Q.57 Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. Only three people sit between C and W. D sits to the immediate left of W. No one sits to the right of B. Only two people sit between B and D. T sits to the immediate right of V. How many people sit between U and T?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.58 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 7 2 5 8 5 5 2 2 7 8 4 3 7 6 4 1 6 1 2 9 1 5 6 8 3 2 4 8 5 (Right)

How many such odd digits are there, each of which is immediately preceded by a perfect square digit and also immediately followed by a prime digit? (NOTE: 1 is also a perfect square.)

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. More than three
 - ☒ D. One

Q.59 What should come in place of the question mark (?) in the given series?

2 2 ? 12 48 240

- Ans**
- ☒ A. 10
 - ☒ B. 8
 - ☒ C. 4
 - ☒ D. 6

Q.60 All 61 people are standing in a row facing north. Z is 16th from the left end while G is 7th from the right end. How many people are there between Z and G?

- Ans**
- ☒ A. 37
 - ☒ B. 41
 - ☒ C. 40
 - ☒ D. 38

Q.61 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 72, 194)
(32, 80, 224)

- Ans**
- ☒ A. (45, 89, 268)
 - ☒ B. (74, 88, 304)
 - ☒ C. (91, 65, 310)
 - ☒ D. (56, 98, 312)

Q.62 KIGK is related to JHFJ in a certain way based on the English alphabetical order. In the same way, JHFJ is related to IGEI. To which of the following is SQOS related, following the same logic?

- Ans**
- ☒ A. RPNR
 - ☒ B. ROMR
 - ☒ C. RPMR
 - ☒ D. RQMS

Q.63 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?

49 B 9 D 609 A 7 C 214 = ?

- Ans**
- ☒ A. 568
 - ☒ B. 536
 - ☒ C. 524
 - ☒ D. 545

Q.64 Ajay drives 10 km from Point A towards the east. He then takes a right turn, drives 5 km, turns left and drives 10 km. He takes a final left turn, drives 5 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° turns only unless specified)

- Ans**
- ☒ A. 20 km towards west
 - ☒ B. 15 km towards south
 - ☒ C. 20 km towards east
 - ☒ D. 20 km towards north

Q.65 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between F and G when counted from the left of G. A sits third to the left of E. C sits to the immediate right of E. C sits second to the left of F. B is an immediate neighbour of A. How many people sit between D and F when counted from the right of F?

- Ans**
- ☒ A. 2
 - ☒ B. 0
 - ☒ C. 3
 - ☒ D. 5

Q.66 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 letter-cluster pair 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. LP - KO
 - ☒ B. UY - TX
 - ☒ C. RV - QV
 - ☒ D. GK - FJ

Q.67 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. C sits third to the left of F. B sits second to the left of E. F is an immediate neighbour of both G and B. D is not an immediate neighbour of C. How many people sit between B and D, when counted from the right of B?

- Ans**
- ☒ A. 2
 - ☒ B. 3
 - ☒ C. 1
 - ☒ D. 0

Q.68 Ajeet starts from Point Y and drives 12 km towards the north. He then turns right and drives 33 km, takes a right and drives 67 km. He then takes a right turn and drives 48 km. He takes a right turn, drives 55 km, turns left and drives 27 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 48 km towards the east
 - ☒ B. 46 km towards the west
 - ☒ C. 42 km towards the east
 - ☒ D. 44 km towards the west

Q.69 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VAE27 , OTX44 , HMQ61 , AFJ78 , ?

- Ans**
- ☒ A. VYC95
 - ☒ B. TYD95
 - ☒ C. TUC95
 - ☒ D. TYC95

Q.70 In a certain code language,
P + Q means 'P is the husband of Q',
P # Q means 'P is the brother of Q',
P & Q means 'P is the mother of Q' and
P % Q means 'P is the sister of Q'.

How is S related to M if 'S # D + V & I % M'?

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

Q.71 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$24 \div 19 + 84 \times 7 - 127 = ?$$

- Ans**
- ☐ A. 523
 - ☒ B. 571
 - ☐ C. 587
 - ☐ D. 594

Q.72 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:

All parks are huts.
All huts are districts.
All districts are cities.

Conclusions:

(I) All parks are districts.
(II) All huts are cities.

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

Q.73 All 87 people are standing in a row, facing the north.
Mr. Zzz is 11th from the right end while Mr. Ggg is 26th from the left end.
How many people are there between Mr. Zzz and Mr. Ggg?

- Ans**
- ☐ A. 51
 - ☐ B. 53
 - ☐ C. 52
 - ☒ D. 50

Q.74 In a certain code language, "TMCB" is coded as "76" and "GKIR" is coded as "90".
What is the code for "VAPD" in that language?

- Ans**
- ☐ A. 91
 - ☐ B. 80
 - ☒ C. 86
 - ☐ D. 88

Q.75 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 9 9 7 7 5 6 4 3 3 3 1 5 9 7 9 4 9 1 2 5 7 9 5 8 5 2 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- ☐ A. 5
 - ☐ B. 4
 - ☒ C. 3
 - ☐ D. 2

Q.76 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ 3 6 7 & 8 # & + \$ 1 ? 9 1 + 7 1 # # < 2 (Right)

How many such symbols are there, each of which is immediately preceded by another symbol and also immediately followed by a number?

- Ans
- ☐ A. None
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.77 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. LSO
 - ☐ B. FMI
 - ☒ C. NJI
 - ☐ D. PWS

Q.78 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) # 4 ^ 8 8 < 2 / \$ 7 \$ \ 1 & ^ 8 4 \ ? \ 8 (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

- Ans
- ☐ A. One
 - ☐ B. None
 - ☐ C. Three
 - ☒ D. Two

Q.79 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

Some seeds are berries.

All fruits are berries.

Conclusions:

(I) Some seeds are fruits

(II) All berries are fruits

- 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.80 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '/' are interchanged?

$$12 \div 5 + 21 \times 3 - 2 = ? + 5$$

- Ans**
- ☐ A. 45
 - ☐ B. 55
 - ☒ C. 60
 - ☐ D. 50

Section : General Awareness and Current Affairs

Q.81 In which year did Armand Duplantis break the pole vault world record for the 12th time?

- Ans**
- ☒ A. 2025
 - ☐ B. 2023
 - ☐ C. 2024
 - ☐ D. 2022

Q.82 Which edition of the Khelo India Youth Games was held in 2025?

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

Q.83 On 5-6 February 2025, the national executive council meetings of FICCI and CII converged at BGBS in which city?

- Ans**
- ☐ A. Raipur
 - ☐ B. Surat
 - ☒ C. Kolkata
 - ☐ D. New Delhi

Q.84 The ICCON-2025 MEE report covered how many national parks and sanctuaries?

- Ans**
- ☐ A. 100
 - ☐ B. 250
 - ☒ C. 438
 - ☐ D. 500

Q.85 Under the National Green Hydrogen Mission, what scheme was launched by the Ministry of New and Renewable Energy (MNRE) in April 2025?

- Ans
- ☐ A. Carbon Capture Scheme
 - ☐ B. Renewable Hydrogen Exchange Scheme
 - ☒ C. Green Hydrogen Certification Scheme
 - ☐ D. Blue Hydrogen Regulation Scheme

Q.86 In the November 2025 by-elections, elections were held for the Assembly constituency in which of the following northeastern states?

- Ans
- ☒ A. Mizoram
 - ☐ B. Meghalaya
 - ☐ C. Arunachal Pradesh
 - ☐ D. Nagaland

Q.87 Which authority launched a scheme in Greater Noida in June 2025 to promote medical device manufacturing?

- Ans
- ☒ A. Government of UP
 - ☐ B. Government of India
 - ☐ C. Noida Development Authority
 - ☐ D. Government of Delhi NCR

Q.88 Which of the following was hosted by IIT Mandi in June 2025, focusing on mental health applications?

- Ans
- ☐ A. Mental Health Innovation Forum
 - ☒ B. Mind, Brain, and Consciousness Conference
 - ☐ C. Health and Mind Summit
 - ☐ D. Brain Science Symposium

Q.89 In April 2025, which protected area was officially notified as India's 107th national park?

- Ans
- ☐ A. Hemis
 - ☒ B. Similipal
 - ☐ C. Bhitarkanika
 - ☐ D. Ranthambore

Q.90 In June 2025, which district was officially declared the first single-use plastic (SUP)-free district in Odisha?

- Ans
- ☒ A. Nuapada
 - ☐ B. Bargarh
 - ☐ C. Kalahandi
 - ☐ D. Rayagada

Q.91 Which Ministry gave the idea of a common board for class 10 and 12 in seven states?

- Ans
- ☐ A. Ministry of Finance
 - ☐ B. Ministry of Social Welfare
 - ☐ C. Ministry of Defense
 - ☒ D. Ministry of Education

Q.92 In which city was the 2025 Laureus World Sports Awards ceremony held?

- Ans**
- ☒ A. Madrid
 - ☐ B. London
 - ☐ C. Paris
 - ☐ D. Rome

Q.93 The National Conference on "Strengthening Legal Aid Delivery Mechanisms" in November 2025 was inaugurated at ____.

- Ans**
- ☐ A. National Judicial Academy, Bhopal
 - ☐ B. Sansad Bhavan, New Delhi
 - ☒ C. Supreme Court of India, New Delhi
 - ☐ D. Rashtrapati Bhavan, New Delhi

Q.94 In 2025, the Krasheninnikov Volcano erupted after several centuries, releasing a massive ash plume. In which region is this volcano located?

- Ans**
- ☒ A. Kamchatka Peninsula
 - ☐ B. Sakhalin Island
 - ☐ C. Ural Mountains
 - ☐ D. Siberia

Q.95 At which venue was the opening ceremony of the Khelo India Youth Games, 2025, held?

- Ans**
- ☐ A. Rajgir Sports Complex
 - ☐ B. Jawaharlal Nehru Stadium
 - ☒ C. Patliputra Sports Complex
 - ☐ D. Indira Gandhi Indoor Stadium

Q.96 In April 2025, the Monetary Policy Committee (MPC) reduced the policy repo rate by 25 basis points, bringing it down to ____.

- Ans**
- ☐ A. 5.50%
 - ☐ B. 5.75%
 - ☐ C. 6.25%
 - ☒ D. 6.00%

Q.97 Who is the author of 'Lords of Earth and Sea: A History of the Chola Empire', published in 2025?

- Ans**
- ☐ A. Shashi Tharoor
 - ☐ B. RK Narayan
 - ☐ C. KK Aziz
 - ☒ D. Anirudh Kanisetti

Q.98 With which tech behemoth has the Indian company Infosys recently partnered to create a generative AI solution for telecom operators?

- Ans**
- ☐ A. Open AI
 - ☒ B. Nvidia
 - ☐ C. IBM
 - ☐ D. Google

Q.99 By June 2025, to which stance did the Reserve Bank of India shift back after moving away from its accommodative policy?

- Ans**
- ☐ A. Dovish
 - ☐ B. Restrictive
 - ☒ C. Neutral
 - ☐ D. Withdrawn

Q.100 A new complex of India's first bio-manufacturing institute, BRIC-National Agri-Food Bio-Manufacturing Institute (BRIC-NABI), aimed at enhancing India's agri-food sector through advanced biotechnology, was inaugurated at ____ in October 2024.

- Ans**
- ☐ A. Chennai
 - ☐ B. Guwahati
 - ☐ C. Ahmedabad
 - ☒ D. Mohali



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	JeevanDeep Institute of Management & Technology
Test Date	19/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is NOT correct?

- Ans ☒ A. 1 Diopetre = focal length of 1 m.
☒ B. A 5D lens has focal length 20 m.
☒ C. The SI unit of power of lens is Diopetre (D).
☒ D. A 2D lens has focal length 0.5 m.

Q.2 Three resistors of 2 Ω , 3 Ω , and 6 Ω are connected in parallel. The equivalent resistance of the combination is:

- Ans ☒ A. 11 Ω
☒ B. 3 Ω
☒ C. 1 Ω
☒ D. 6 Ω

Q.3 When magnesium reacts with dilute hydrochloric acid, the products are:

- Ans ☒ A. magnesium oxide and water
☒ B. magnesium chloride and hydrogen
☒ C. magnesium chloride and oxygen
☒ D. magnesium hydroxide and hydrogen

Q.4 Based on the concept of electrical resistance, how are conductors, resistors, and insulators primarily differentiated?

- Ans ☒ A. By the ease or difficulty with which they allow the flow of electric charge
☒ B. By their length and area of cross-section
☒ C. By their chemical composition (e.g., metal vs. non-metal)
☒ D. By their ability to generate heat upon current flow

Q.5 During photosynthesis, plants take in carbon dioxide and water in the presence of _____.

- Ans ☒ A. energy and starch
☒ B. sunlight and chlorophyll
☒ C. glucose and water
☒ D. oxygen and light

Q.6 If the distance (d) between the Earth and the Moon decreases gradually, then what will happen to the gravitational force (F) between them?

- Ans**
- ☐ A. Remains constant
 - ☒ B. Increases
 - ☐ C. Decreases
 - ☐ D. First increases and then decreases

Q.7 Which of the following gives H^+ ions in an aqueous solution?

- Ans**
- ☐ A. Ammonium hydroxide
 - ☒ B. Hydrochloric acid
 - ☐ C. Calcium hydroxide
 - ☐ D. Sodium hydroxide

Q.8 What happens to the particles in a suspension when the mixture is left undisturbed?

- Ans**
- ☐ A. The particles are dissolved in the solvent.
 - ☐ B. The mixture is clear and transparent.
 - ☒ C. The particles settle down when left undisturbed.
 - ☐ D. The mixture is stable and does not require stirring.

Q.9 The distance between the pole and the centre of curvature of a concave mirror is - 50 cm. If the magnification produced is (-1) by this mirror, then what will be the object and the image distance, respectively?

- Ans**
- ☐ A. - 50 cm and + 50 cm
 - ☐ B. + 50 cm and + 50 cm
 - ☒ C. - 50 cm and - 50 cm
 - ☐ D. + 50 cm and - 50 cm

Q.10 What is the name of the long, fibre-like part of a neuron that carries signals away from the cell body?

- Ans**
- ☐ A. Nucleus
 - ☐ B. Synapse
 - ☒ C. Axon
 - ☐ D. Dendrite

Q.11 An athlete runs around a circular track with radius r , completing one full round in t seconds. Which of the following correctly represents the athlete's speed v ?

- Ans**
- ☐ A. $v=2\pi r \times t$
 - ☐ B. $v=r/2\pi t$
 - ☐ C. $v=t/2\pi r$
 - ☒ D. $v=2\pi r/t$

Q.12 In plants, asexual reproduction involves _____.

- Ans**
- ☐ A. fusion and fertilisation
 - ☐ B. both parent organisms
 - ☒ C. only one parent organism
 - ☐ D. fusion of male and female gametes

Q.13 Which of the following conditions DOES NOT support an increase in the rate of evaporation?

- Ans**
- ☐ A. An increase in wind speed
 - ☐ B. An increase of temperature
 - ☐ C. An increase of surface area
 - ☒ D. An increase in humidity

Q.14 Which of the following plants reproduces by means of spores?

- Ans**
- ☐ A. Gram
 - ☐ B. Egg plant
 - ☒ C. Moss
 - ☐ D. Rose

Q.15 What is the difference in molecular mass between two successive members of a homologous series?

- Ans**
- ☒ A. 14u
 - ☐ B. 12u
 - ☐ C. 16u
 - ☐ D. 18u

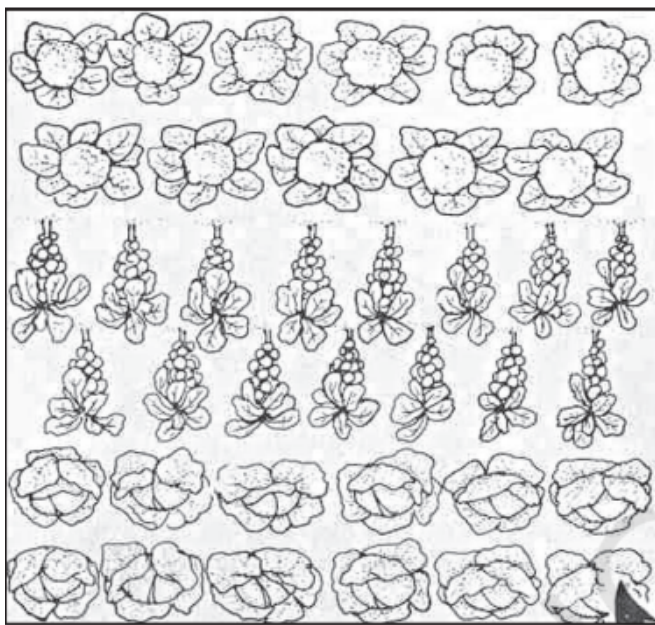
Q.16 What will happen if the dendrites of neurons do not function?

- Ans**
- ☐ A. Signals will be transmitted faster
 - ☐ B. Neurons will produce more electrical impulses
 - ☐ C. Muscles will contract more strongly
 - ☒ D. Signals from other neurons will not be received

Q.17 Which of the following conditions is essential for chlorine to react rapidly with an alkane?

- Ans**
- ☐ A. Presence of oxygen
 - ☐ B. High pressure
 - ☐ C. High temperature
 - ☒ D. Sunlight

Q.18 Identify the cropping pattern in the given picture.



- Ans**
- ☐ A. Crop rotation
 - ☒ B. Inter cropping
 - ☐ C. Terrace farming
 - ☐ D. Mixed cropping

Q.19 Why is the female body specifically prepared every month for pregnancy?

- Ans**
- ☐ A. To remove waste products
 - ☐ B. To improve blood circulation
 - ☐ C. To release more sperm
 - ☒ D. To nourish the potential embryo

Q.20 Which of the following cause(s) movement in muscular tissue?

- Ans**
- ☐ A. Ligaments
 - ☒ B. Contractile proteins
 - ☐ C. Cartilage
 - ☐ D. Enzymes

Q.21 Metallurgy is:

- Ans**
- ☐ A. prevention of iron from corrosion
 - ☐ B. removing gangue from ores
 - ☒ C. extraction of metals in pure form from their ores
 - ☐ D. heating sulphide ore in excess of air

Q.22 Which of the following is formed by a chemical reaction?

- Ans**
- ☐ A. Soil
 - ☐ B. Brass
 - ☐ C. Air
 - ☒ D. Water

Q.23 In a v-t graph, if the slope keeps changing, it means:

- Ans**
- ☐ A. speed is constant
 - ☒ B. acceleration is non-uniform
 - ☐ C. acceleration is uniform
 - ☐ D. displacement is zero

Q.24 A stethoscope helps a doctor hear a patient's heartbeat clearly. Which principle does a stethoscope use for this purpose?

- Ans**
- ☒ A. Multiple reflection of sound
 - ☐ B. Interference of sound
 - ☐ C. Refraction of sound
 - ☐ D. Diffraction of sound

Q.25 Power measures:

- Ans**
- ☐ A. the total work done
 - ☐ B. the height of an object
 - ☒ C. how fast or slow work is done
 - ☐ D. the energy stored in an object

Section : Mathematics

Q.26 A person travels 60 km by car at a speed of 50 km/hr, then 80 km by bus at a speed of 40 km/hr and finally 100 km by train at a speed of 80 km/hr. What is the average speed (rounded off two decimal places) of the person for the entire trip?

- Ans**
- ☐ A. 61.93 km/hr
 - ☐ B. 48.93 km/hr
 - ☒ C. 53.93 km/hr
 - ☐ D. 59.93 km/hr

Q.27 The area of an isosceles triangle is 48 square units. The unequal side (base) has a length of 12 units. Find the perimeter (in units) of the triangle.

- Ans**
- ☒ A. 32
 - ☐ B. 36
 - ☐ C. 24
 - ☐ D. 28

Q.28 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Ashish borrowed an amount of ₹2,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ashish after 3 years.

- Ans**
- ☐ A. 32,200
 - ☐ B. 30,700
 - ☐ C. 32,700
 - ☒ D. 31,200

Q.29 If $x = 3 + 2\sqrt{2}$ and $y = 3 - 2\sqrt{2}$, find the value of $x^2 + y^2$ by d

- Ans**
- ☒ A. 34
 - ☐ B. 36
 - ☐ C. 32
 - ☐ D. 26

Q.30 A kite is flying at a height of 75 m, and the string makes an angle of 60° with the ground. What is the length of the string?

Ans

- ☐ A. $\frac{75\sqrt{3}}{2}$ m
☒ B. $50\sqrt{3}$ m
☐ C. 150 m
☐ D. $75\sqrt{3}$ m

Q.31 Pushparaj and Himani together invested ₹48,600 in a business. At the end of the year, out of a total profit of ₹6,600, Pushparaj's share was ₹2,200. What was the investment of Pushparaj?

Ans

- ☒ A. ₹16,200
☐ B. ₹17,280
☐ C. ₹15,365
☐ D. ₹17,170

Q.32 After selling an article at a discount of 27%, the profit percentage obtained is 36%. What is the mark-up percentage (rounded off to two decimal places)?

Ans

- ☐ A. 84.01%
☐ B. 88.29%
☒ C. 86.30%
☐ D. 83.64%

Q.33 A shopkeeper calculates his profit per cent on the selling price and his profit is 6.25%. Find his actual profit percentage.

Ans

- ☒ A. $6\frac{2}{3}\%$
☐ B. 8%
☐ C. 10%
☐ D. $7\frac{1}{7}\%$

Q.34 A cyclist travels 150 km in 5 hours and then another 90 km in 3 hours. What is the average speed of the cyclist for the entire journey?

Ans

- ☐ A. 35 km/hr
☐ B. 40 km/hr
☒ C. 30 km/hr
☐ D. 45 km/hr

Q.35 A, B and C can do a piece of work in 3, 18 and 9 days, respectively. How long (in days) will they take to do twice the same work, working together?

Ans

- ☐ A. 8
☒ B. 4
☐ C. 12
☐ D. 5

Q.36 If the mean proportional of P and 242 is 88, then find the value of P.

Ans

- ☐ A. 31
☐ B. 34
☒ C. 32
☐ D. 35

Q.37 Arohi buys 3 apples and 5 bananas for ₹85, while Rhea buys 2 apples and 4 bananas for ₹60. What is the total cost (in ₹) of one apple and one banana?

- Ans** ☒ A. 25
☐ B. 30
☐ C. 20
☐ D. 18

Q.38 The selling price of an iPhone is ₹5,400, after allowing two successive discounts of 10% and 36%. Find the marked price of the iPhone.

- Ans** ☐ A. ₹9,294
☐ B. ₹9,511
☒ C. ₹9,375
☐ D. ₹9,403

Q.39 The arithmetic mean of the observations 27, 69, 15, 88, 15, 54, 53, 20 and 19 is:

- Ans** ☐ A. 31
☐ B. 50
☐ C. 37
☒ D. 40

Q.40 $\frac{1}{30}$ is what percentage of $\frac{1}{80}$ (rounded off to two decimal places)?

- Ans** ☐ A. 281.67%
☐ B. 533.33%
☒ C. 266.67%
☐ D. 276.67%

Q.41 If the mode of a data exceeds its mean by 10.8, then the mode exceeds the median by _____. (Use empirical formula to find the answer.)

- Ans** ☐ A. 9.3
☐ B. 12.9
☐ C. 15.5
☒ D. 7.2

Q.42 There is a polygon of 10 sides. How many triangles can be drawn using the vertices of the polygon?

- Ans** ☐ A. 125
☐ B. 100
☐ C. 150
☒ D. 120

Q.43 A triangle has sides of length 13 cm, 14 cm and 15 cm. Find the area of the triangle.

- Ans** ☒ A. 84 cm²
☐ B. 72 cm²
☐ C. 92 cm²
☐ D. 88 cm²

Q.44 In a local election, there were 20,000 voters. Candidate A received 40% of the total votes, and Candidate B received 50% of the total votes. The remaining votes were split equally between two other candidates, C and D. How many votes did Candidate C receive?

- Ans ☐ A. 600
☐ B. 1200
☒ C. 1000
☐ D. 700

Q.45 A water tank can be filled in 12 hours using three pipes. Pipe Z is three times as fast as pipe C, and pipe C is twice as fast as pipe B. How long will it take pipe B alone to fill the tank?

- Ans ☐ A. 96 hours
☒ B. 108 hours
☐ C. 100 hours
☐ D. 50 hours

Q.46 An 8-digit number is divisible by 45. If the digits are rearranged, then the number must be divisible by:

- Ans ☐ A. 15
☐ B. 5
☐ C. 45
☒ D. 3

Q.47 The simplified value of $\sqrt{29 + \sqrt{41 + \sqrt{55 + \sqrt{81}}}}$ is:

- Ans ☐ A. 5
☐ B. 3
☒ C. 6
☐ D. 4

Q.48 The father's age will be double his son's age after twenty years from now. If the father's age was seven times the son's age five years ago from now, then find their present ages (in years), respectively.

- Ans ☒ A. 40, 10
☐ B. 38, 9
☐ C. 46, 13
☐ D. 42, 11

Q.49 Find the HCF of the numbers 2520, 3600, 5880.

- Ans ☐ A. 100
☒ B. 120
☐ C. 180
☐ D. 140

Q.50 In an election, 30% of the total votes were declared invalid. Of the remaining valid votes, 60% were cast for the winning candidate. What percentage of the total votes did the losing candidate receive?

- Ans ☐ A. 35%
☐ B. 40%
☒ C. 28%
☐ D. 15%

- Q.51** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right.

(Left) 3 7 4 1 5 1 5 7 4 2 3 8 7 4 5 2 5 3 6 2 7 9 8 4 3 6 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 5
☒ B. 3
☒ C. 4
☒ D. 2

- Q.52** Ravindra starts from Point Y and drives 18 km towards north. He then takes a right turn, drives 45 km, turns right and drives 42 km. He then takes a right turn and drives 26 km. He takes a right turn, drives 89 km. He then turns left, drives 19 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

All turns are 90° turns only unless specified.)

- Ans** ☒ A. 65 km towards south
☒ B. 61 km towards east
☒ C. 64 km towards west
☒ D. 67 km towards north

- Q.53** If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$7 - 2 + 45 \times 3 \div 11 = ?$$

- Ans** ☒ A. 10
☒ B. 7
☒ C. 4
☒ D. 15

- Q.54** In a certain code language, 'what a surprise' is coded as 'kd oc ip' and 'what is it' is coded as 'kd mp co'. How is 'what' coded in that language?

- Ans** ☒ A. kd
☒ B. mp
☒ C. ip
☒ D. oc

- Q.55** A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the left of D. E is an immediate neighbour of B. A sits to the immediate left of B. C sits second to the right of D. F sits to the immediate left of C. What is the position of A with respect to C?

- Ans** ☒ A. Immediate right
☒ B. Second to the left
☒ C. Immediate left
☒ D. Second to the right

Q.56 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

FOUR - ORUF - RUOF
RIFT - ITFR - TFIR

- Ans ☒ A. OPEN - POEN - NPEO
☒ B. GRAM - GARM - MARG
☒ C. QUIT - UQIT - TUIQ
☒ D. HUTS - USTH - STUH

Q.57 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

MAID - DAMI - AIMD
FOUR - ROFU - OUFR

- Ans ☒ A. LOAD - LAOD - DAOL
☒ B. WENT - TEWN - NEWT
☒ C. GOLD - OGLD - DOLG
☒ D. HUNT - TUHN - UNHT

Q.58 In a certain code language, 'wet pig kit' is coded as 'zp ww hz' and 'thing kit head' is coded as 'ww ym ce'. How is 'kit' coded in that language?

- Ans ☒ A. ww
☒ B. zp
☒ C. ym
☒ D. hz

Q.59 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 batteries are torches.
All clocks are torches.

Conclusions:

(I) Some batteries are clocks.
(II) All torches are clocks.

- 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.60 In a row of 25 people facing north, Ujwala is 5th from the right end. If Siya sits 3rd to the left of Ujwala, then what is Siya's position from the left end of the row?

- Ans ☒ A. 19th
☒ B. 17th
☒ C. 20th
☒ D. 18th

Q.61 O, P, Q, R, W, X and Y are sitting in a straight line facing north.
No one sits to the left of P. Only four people sit between P and Q. Only three people sit to the right of Y. X sits to the immediate left of R. W is not an immediate neighbour of Y.
Who sits third to the left of W?

- Ans** ☒ A. O
☒ B. Y
☒ C. R
☒ D. Q

Q.62 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RV23, QU32, PT41, OS50, ?

- Ans** ☒ A. NR58
☒ B. NS58
☒ C. NR59
☒ D. NS59

Q.63 In a city, a school is 18 km towards the north of a park. A hospital is 21 km towards the west of the school. A restaurant is 21 km towards the west of the park. How far and in which direction is the restaurant from the hospital?

- Ans** ☒ A. 21 km, south
☒ B. 21 km, north
☒ C. 18 km, north
☒ D. 18 km, south

Q.64 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(48, 12, 4)

(30, 2, 15)

- Ans** ☒ A. (38, 14, 3)
☒ B. (64, 8, 6)
☒ C. (26, 13, 2)
☒ D. (70, 8, 9)

Q.65 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

COLD - DLCO - CLOD

HOOR - RUHO - HUOR

- Ans** ☒ A. SUIT - SIUT - TIUS
☒ B. BUGS - SGBU - UGBS
☒ C. GREY - YEGR - GERY
☒ D. RICE - ICRE - ICER

Q.66 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 letter-cluster pair 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. SW - QU
 - ☒ B. XE - VC
 - ☒ C. YO - WM
 - ☒ D. GT - EQ

Q.67 This question is based on the five, three-digit numbers given below.
(Left) 192 574 563 189 567 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 12
 - ☒ B. 15
 - ☒ C. 11
 - ☒ D. 13

Q.68 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 5 6 3 8 1 4 7 9 2 5 8 3 7 4 6 1 9 2 8 3 7 4 (Right)

How many unique numbers in the series are prime numbers (each number counted only once, regardless of repetitions)?

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Five
 - ☒ D. Two

Q.69 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?

14 B 2 D 18 A 9 C 12 C 18 = ?

- Ans**
- ☒ A. 58
 - ☒ B. 56
 - ☒ C. 57
 - ☒ D. 54

Q.70 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 chairs are tables.

Some tables are helmets.

Conclusions:

(I): Some chairs are helmets.

(II): All helmets are tables.

- 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.71 What should come in place of the question mark in the given series?

87 75 64 54 45 ?

- Ans** ☐ A. 33
☒ B. 37
☐ C. 35
☐ D. 41

Q.72 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HLE23, JJH21, LHK19, NFN17, ?

- Ans** ☐ A. PEP15
☐ B. PDP18
☒ C. PDQ15
☐ D. PEQ18

Q.73 Seven boxes, L, M, N, O, Q, R and S, are kept one over the other but not necessarily in the same order. Q is kept second from the bottom. Only three boxes are kept between Q and S. R is kept at one of the positions below Q. Only N is kept between S and L. Only two boxes are kept between L and O. How many boxes are kept between M and S?

- Ans** ☐ A. Zero
☒ B. Two
☐ C. One
☐ D. Three

Q.74 What should come in place of the question mark (?) in the given series?

74 65 55 44 32 ?

- Ans** ☐ A. 18
☒ B. 19
☐ C. 20
☐ D. 21

Q.75 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing the north. Only 1 person sits to the left of E. Only 2 people sit between E and F. C sits immediately to the right of D. G sits immediately to the left of A. Only 1 person sits between F and D.
How many people sit between A and E?

- Ans**
- ☐ A. 2
 - ☒ B. 4
 - ☐ C. 1
 - ☐ D. 3

Q.76 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. KNM
 - ☐ B. YBA
 - ☒ C. ZDB
 - ☐ D. SVU

Q.77 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 6 9 9 5 8 8 5 4 8 4 2 2 7 6 2 2 7 1 5 9 3 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☒ C. 3
 - ☐ D. 1

Q.78 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$163 \div 4 - 125 \times 5 + 19 = ?$$

- Ans**
- ☐ A. 666
 - ☒ B. 658
 - ☐ C. 654
 - ☐ D. 662

Q.79 Which pair of numbers comes in place of the question marks (?) using the given pattern?

2, 6, 3, 24, 4, 60, 5, 120, ?, ?

- Ans**
- ☐ A. 6, 36
 - ☐ B. 6, 504
 - ☒ C. 6, 210
 - ☐ D. 6, 216

Q.80 In a certain code language,
A $\pm$ B means 'A is the wife of B',
A * B means 'A is the sister of B',
A $\bar{\epsilon}$ B means 'A is the father of B',
and A # B means 'A is the brother of B'.

How is D related to O if 'D $\bar{\epsilon}$ R # A * C $\pm$ O'?

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

Section : General Awareness and Current Affairs

Q.81 In May 2025, who addressed the Global Space Exploration Conference (GLEX 2025) on behalf of India?

- Ans**
- ☐ A. S Somanath
 - ☐ B. Amit Shah
 - ☒ C. Dr. Jitendra Singh
 - ☐ D. Narendra Modi

Q.82 In 2025, which two Indian cities were recognised as 'Wetland Cities'?

- Ans**
- ☐ A. Jabalpur and Dewas
 - ☐ B. Agra and Surat
 - ☐ C. Jhansi and Moradabad
 - ☒ D. Udaipur and Indore

Q.83 According to the World Bank's Spring 2025 Poverty and Equity Brief, what was India's extreme poverty rate in 2022-2023?

- Ans**
- ☐ A. 3.2%
 - ☐ B. 1.3%
 - ☒ C. 2.3%
 - ☐ D. 1.5%

Q.84 Which sprinter broke his own national 200 m record with a run of 20.02 seconds in Ostrava?

- Ans**
- ☐ A. Victor Lopez
 - ☐ B. Reynier Mena
 - ☒ C. Gout Gout
 - ☐ D. Lamine Yamal

Q.85 The Government of India launched a new programme named 'NAVYA' to provide vocational training to adolescent girls in non-traditional job roles. In which district was this programme first launched in June 2025?

- Ans**
- ☐ A. Jaipur, Rajasthan
 - ☐ B. Bilaspur, Chhattisgarh
 - ☒ C. Sonbhadra, Uttar Pradesh
 - ☐ D. Raipur, Chhattisgarh

Q.86 In the Union Budget, 2025-26, what is the key focus of the Sports Budget as announced by the Government of India?

- Ans
- ☐ A. Funding private sports leagues
 - ☒ B. Nurturing young talent and infrastructure
 - ☐ C. Promoting e-sports only
 - ☐ D. Building stadiums abroad

Q.87 In June 2025, the Government of India planned to shut down the National Polio Surveillance Network (NPSN) established by which international organisation?

- Ans
- ☐ A. United Nations Development Programme
 - ☐ B. World Bank
 - ☐ C. United Nations Environment Programme
 - ☒ D. World Health Organization

Q.88 Which translator was awarded for translating Anuradha Sharma Pujari's Kanchan (Assamese) into Bodo (awarded in March 2025)?

- Ans
- ☒ A. Uttara Bwiswmuthiary
 - ☐ B. Suvash Satpathy
 - ☐ C. Anjan Sarma
 - ☐ D. Basudeb Das

Q.89 The women's Kabaddi World Cup, 2025, was won by:

- Ans
- ☐ A. Pakistan
 - ☐ B. Bangladesh
 - ☒ C. India
 - ☐ D. China

Q.90 Which Indian state was involved in a boundary dispute with Assam in 2025?

- Ans
- ☐ A. Bihar
 - ☐ B. Himachal Pradesh
 - ☐ C. Sikkim
 - ☒ D. Meghalaya

Q.91 What is the projected space budget of India for the year 2025-26?

- Ans
- ☐ A. ₹23,416 crore
 - ☐ B. ₹33,416 crore
 - ☒ C. ₹13,416 crore
 - ☐ D. ₹43,416 crore

Q.92 What was the new Cash Reserve Ratio (CRR) level after the December 2024 cut?

- Ans
- ☐ A. 5.0%
 - ☐ B. 4.5%
 - ☐ C. 3.5%
 - ☒ D. 4.0%

Q.93 Which summit saw the participation of 16 states, the EU, and NATO in early March 2025?

- Ans
- ☐ A. Munich Security Conference
 - ☐ B. Shangri-La Dialogue
 - ☐ C. UN General Assembly
 - ☒ D. London Summit on Ukraine

Q.94 On 23 August 2025, the Defence Research and Development Organisation (DRDO) successfully carried out the inaugural flight trials of the Integrated Air Defence Weapon System (IADWS) off the shoreline in ____.

- Ans**
- ☐ A. West Bengal
 - ☐ B. Tamil Nadu
 - ☒ C. Odisha
 - ☐ D. Andhra Pradesh

Q.95 In June 2025, the Monetary Policy Committee (MPC) voted to reduce the policy repo rate by 50 basis points (bps) with immediate effect to:

- Ans**
- ☒ A. 5.50%
 - ☐ B. 4.50%
 - ☐ C. 6.50%
 - ☐ D. 7.50%

Q.96 Which honour was conferred upon cricketer R Ashwin by President Droupadi Murmu at Rashtrapati Bhavan in April 2025?

- Ans**
- ☐ A. Arjuna Award
 - ☒ B. Padma Shri
 - ☐ C. Padma Bhushan
 - ☐ D. Padma Vibhushan

Q.97 Which jurist was designated as the 53rd Chief Justice of India on 30 October 2025 and assumed office on 24 November 2025?

- Ans**
- ☐ A. Justice Vikram Nath
 - ☐ B. Justice PS Narasimha
 - ☒ C. Justice Surya Kant
 - ☐ D. Justice BV Nagarathna

Q.98 Which of the following was launched by the Ministry of New and Renewable Energy in September 2025, aligning with India's Net Zero and renewable energy goals?

- Ans**
- ☐ A. National Wind Energy Policy
 - ☒ B. National Policy on Geothermal Energy
 - ☐ C. National Solar Energy Sustainability Framework
 - ☐ D. National Offshore Wind Energy Mission

Q.99 Which state was ranked the best-performing in the Management Effectiveness Evaluation (MEE) 2020–2025 of National Parks and Protected Areas?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Himachal Pradesh
 - ☒ C. Kerala
 - ☐ D. Uttarakhand

Q.100 Who among the following authored the 2025 book 'Original Sin'?

- Ans**
- ☐ A. Bob Woodward and Carl Bernstein
 - ☐ B. Michael Wolff and Maggie Haberman
 - ☒ C. Jake Tapper and Alex Thompson
 - ☐ D. Ron Suskind and Jonathan Martin



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	19/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 Which of the following statements about variations is INCORRECT?

- Ans
- ☒ A. Ensures species survival during disasters
 - ☒ B. Variation enables adaptation to changing environments.
 - ☒ C. Variation makes species prone to extinction.
 - ☒ D. Provides resilience against diseases

Q.2 What is a decomposition reaction?

- Ans
- ☒ A. A single substance is formed from two or more reactants
 - ☒ B. A compound breaks down into two or more simpler substances
 - ☒ C. Two compounds exchange ions
 - ☒ D. Two or more substances combine to form one product

Q.3 What happens to the concentration of a solution if more solute is added to the same amount of solvent?

- Ans
- ☒ A. It becomes a suspension
 - ☒ B. It remains unchanged
 - ☒ C. It becomes more concentrated
 - ☒ D. It becomes less concentrated

Q.4 Which of the following pairs represent the Isobar?

- Ans
- ☒ A. $^{15}\text{O}_8$ and $^{16}\text{O}_8$
 - ☒ B. $^{235}\text{U}_{92}$ and $^{238}\text{U}_{92}$
 - ☒ C. $^{15}\text{N}_7$ and $^{16}\text{O}_8$
 - ☒ D. $^{40}\text{K}_{19}$ and $^{40}\text{Ar}_{18}$

Q.5 Which practice demonstrates judicious energy use at home?

- Ans
- ☒ A. Heating an empty room continuously
 - ☒ B. Using bulbs or fluorescent tubes
 - ☒ C. Overusing air-conditioners
 - ☒ D. Keeping all appliances on standby mode

Q.6 Which of the following is correct for concave mirrors?

- Ans
- ☐ A. They always produce virtual images.
 - ☐ B. They cannot produce magnified images.
 - ☒ C. They are used by dentists to see enlarged images of teeth.
 - ☐ D. They are used as rear-view mirrors.

Q.7 Which of the following represents corrosion?

- Ans
- ☐ A. Boiling of water
 - ☐ B. Burning of LPG
 - ☐ C. Dissolving sugar in water
 - ☒ D. Rusting of iron

Q.8 If the force on an object is doubled while its mass remains the same, the acceleration:

- Ans
- ☐ A. halves
 - ☒ B. also doubles
 - ☐ C. becomes zero
 - ☐ D. remains the same

Q.9 A ball is dropped from a height of 10 m from the surface of the earth. What will be the speed with which the ball will strike the ground?
(Take $g = 10 \text{ m/s}^2$)

- Ans
- ☒ A. $10\sqrt{2} \text{ m/s}$
 - ☐ B. 20 m/s
 - ☐ C. 10 m/s
 - ☐ D. 200 m/s

Q.10 The process by which the developing embryo gets associated with the lining of the uterus is called _____.

- Ans
- ☐ A. fertilisation
 - ☐ B. abortion
 - ☒ C. implantation
 - ☐ D. embryogenesis

Q.11 Which metal reacts violently with cold water?

- Ans
- ☐ A. Aluminium
 - ☒ B. Sodium
 - ☐ C. Magnesium
 - ☐ D. Copper

Q.12 Which of the following is a characteristic reaction of saturated hydrocarbons (alkanes)?

- Ans
- ☐ A. Addition reaction
 - ☐ B. Neutralisation
 - ☐ C. Polymerisation
 - ☒ D. Substitution reaction

Q.13 Which of the following is true about infrasonic sound?

- Ans
- ☐ A. Frequency between 20 Hz and 20 kHz
 - ☐ B. Cannot travel in air
 - ☒ C. Frequency $< 20 \text{ Hz}$
 - ☐ D. Frequency $> 20 \text{ kHz}$

Q.14 Which of the following is an allotrope of carbon?

- Ans**
- ☐ A. Quartz
 - ☒ B. Diamond
 - ☐ C. Alum
 - ☐ D. Limestone

Q.15 Which of the following ensures that the DNA amount is NOT doubled in every generation?

- Ans**
- ☐ A. Division of body cells
 - ☐ B. Division of neurons
 - ☐ C. Consistency of DNA in gametes
 - ☒ D. Reduction of DNA in gametes

Q.16 Which of the following best defines the concentration of a solution?

- Ans**
- ☒ A. The amount of solute present in a given amount of solution
 - ☐ B. The amount of solvent present in a given amount of solution
 - ☐ C. The amount of solution present in a given amount of solute
 - ☐ D. The amount of solvent present in a given amount of solute

Q.17 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Insulin helps lower blood glucose levels.

Reason (R): Insulin converts glucose into glycogen for storage in the liver.

- Ans**
- ☒ A. Both A and R are true, and R is the correct explanation of A.
 - ☐ B. A is true, but R is false.
 - ☐ C. Both A and R are true, but R is not the correct explanation of A.
 - ☐ D. A is false, but R is true.

Q.18 Which of the following is the correct function of the Golgi body in a plant cell?

- Ans**
- ☒ A. Supporting the formation of lysosomes.
 - ☐ B. Helping in the synthesis of proteins.
 - ☐ C. Maintaining the shape of the cell.
 - ☐ D. Providing protection to the cell.

Q.19 When salt solution is applied to boiled Rhoeo leaf peels, it fails to show plasmolysis due to:

- Ans**
- ☒ A. dead cells cannot osmoregulate
 - ☐ B. walls block salts
 - ☐ C. chlorophyll takes up water
 - ☐ D. nuclei stop diffusion

Q.20 If the radius of curvature of a convex mirror used for rear-view on an automobile is 4.00 m, what is its focal length?

- Ans**
- ☐ A. 1 m
 - ☐ B. 4 m
 - ☐ C. 8 m
 - ☒ D. 2 m

Q.21 A retarding force of 10 N acts on a body. The work done due to this force is -200 J. What will be the magnitude and direction of the displacement of the body under the action of this force?

- Ans**
- ☒ A. 20 m; opposite to the direction of the force
 - ☐ B. 2000 m; in the same direction as the force
 - ☐ C. 2000 m; opposite to the direction of the force
 - ☐ D. 20 m; in the same direction as the force

Q.22 If you push a stationary wall with 80 N, the wall pushes you back with ____.

- Ans**
- ☐ A. 0 N
 - ☐ B. 160 N
 - ☐ C. 40 N
 - ☒ D. 80 N

Q.23 Which of the following statements is NOT correct about resistivity?

- Ans**
- ☐ A. It changes with temperature.
 - ☒ B. It depends on the length of the wire.
 - ☐ C. It is measured in ohm-meter.
 - ☐ D. It is a property of the material.

Q.24 Which event does NOT directly occur during photosynthesis in green plants?

- Ans**
- ☐ A. Absorption of light energy by chlorophyll
 - ☐ B. Reduction of carbon dioxide to carbohydrates
 - ☐ C. Conversion of light energy into chemical energy
 - ☒ D. Breakdown of carbohydrates to release energy

Q.25 A straight current carrying conductor has a magnetic field (B) associated with it. Which of the following is correct regarding the value of magnetic field (B)?

- (i) The magnetic field will increase as we move away from the conductor.
- (ii) The magnetic field will decrease as we move away from the conductor.
- (iii) The magnetic field will increase when the current flowing through the conductor increases.
- (iv) The magnetic field will first decrease when the current flowing through the conductor increases.

- Ans**
- ☐ A. Both (iii) and (iv)
 - ☐ B. Both (i) and (ii)
 - ☒ C. Both (ii) and (iii)
 - ☐ D. Both (i) and (iv)

Section : Mathematics

Q.26 An article is marked 25% above its cost price. A discount is offered so that a profit of 15% is made. Find the discount percentage.

- Ans**
- ☐ A. 12%
 - ☐ B. 5%
 - ☒ C. 8%
 - ☐ D. 10%

Q.27 If $\frac{1}{1 - \tan \theta} + \frac{1}{1 + \tan \theta} = 3$, and θ is an acute angle, find the value of $\tan \theta$.

- Ans
- ☒ A. $\sqrt{2}$
 - ☒ B. $\frac{1}{\sqrt{2}}$
 - ☒ C. 2
 - ☒ D. 1

Q.28 In a distribution where the empirical relation holds true, if both the mode and the median are 46, find the mean.

- Ans
- ☒ A. 45
 - ☒ B. 46
 - ☒ C. 46.5
 - ☒ D. 45.5

Q.29 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 17^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 8 : 9, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans
- ☒ A. 4°
 - ☒ B. 5°
 - ☒ C. 6°
 - ☒ D. 2°

Q.30 The market prices of jowar to gram are in the ratio 1 : 5, and a family consumes them in the ratio 4 : 3 by quantity. Find the ratio of expenditure on jowar to that on gram.

- Ans
- ☒ A. 5 : 16
 - ☒ B. 3 : 11
 - ☒ C. 4 : 15
 - ☒ D. 6 : 17

Q.31 In an election between two candidates, 20% of the voters did not cast their votes, and all the votes cast were valid. The winner secured 70% of the votes cast and won by a margin of 23,200 votes. What was the total number of voters?

- Ans
- ☒ A. 72,500
 - ☒ B. 69,500
 - ☒ C. 82,500
 - ☒ D. 75,000

Q.32 Aarti got a new bed at 50% discount. If Aarti did not get any discount, Aarti would have to pay ₹8,453 extra. So how much did Aarti pay for the bed?

- Ans
- ☒ A. ₹8,452
 - ☒ B. ₹8,455
 - ☒ C. ₹8,454
 - ☒ D. ₹8,453

Q.33 A, B and C can do a work in 17 days, 51 days and 68 days, respectively. They finished together that work and gained ₹5,985 in wages. Find B's wage (in ₹).

- Ans
- ☒ A. 945
 - ☒ B. 2,241
 - ☒ C. 3,780
 - ☒ D. 1,260

- Q.34 Walking at $\frac{4}{7}$ of his normal speed from his home, Shahid is 12 minute cover the distance between his home and his office is:

Ans ☒ A. 21 minutes
☒ B. 16 minutes
☒ C. 10 minutes
☒ D. 9 minutes

- Q.35 Find the value of x in the given expression.

$$\frac{x}{2.1} + \frac{4.2}{6.3} = 4$$

Ans ☒ A. 6
☒ B. 8
☒ C. 9
☒ D. 7

- Q.36 The price of fuel decreases by 45%, 15% and 50% in three successive months, but increases by 70% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Rounded off to two decimal places)

Ans ☒ A. Increases by 66.72%
☒ B. Decreases by 60.26%
☒ C. Increases by 65.02%
☒ D. Decreases by 61.32%

- Q.37 From an interior point of an equilateral triangle, three perpendiculars are drawn to its three sides which are of lengths 12.7 cm, 14.8 cm and 11.5 cm, respectively. Find the area of the equilateral triangle.

Ans ☒ A. $510\sqrt{3} \text{ cm}^2$
☒ B. $526\sqrt{3} \text{ cm}^2$
☒ C. $507\sqrt{3} \text{ cm}^2$
☒ D. $539\sqrt{3} \text{ cm}^2$

- Q.38 The sum of the present ages of Priya and her younger brother Rohan is 44 years. Four years ago, Priya was twice as old as Rohan was at that time. What is Priya's current age (in years)?

Ans ☒ A. 28
☒ B. 30
☒ C. 26
☒ D. 24

- Q.39 Expand: $(3m - 5n)^2$

Ans ☒ A. $9m^2 + 30mn + 25n^2$
☒ B. $9m^2 - 15mn + 25n^2$
☒ C. $6m^2 - 30mn + 25n^2$
☒ D. $9m^2 - 30mn + 25n^2$

Q.40 ₹8,516 is divided among A, B and C in such a way that if ₹88, ₹31 and ₹90 are deducted from their respective shares, they have money in the ratio 18:17:4. Find the difference between B's and C's original shares.

- Ans** ☒ A. ₹2,710
☐ B. ₹2,719
☐ C. ₹2,619
☐ D. ₹2,919

Q.41 The price of an article is first increased by 20% and later on, it is decreased in final price of the article.

- Ans** ☐ A. 8% increase
☐ B. 9% increase
☐ C. 10% increase
☒ D. 10% decrease

Q.42 A car travels a distance of 120 km in 2 hours. What is its speed?

- Ans** ☐ A. 40 km/h
☐ B. 120 km/h
☐ C. 240 km/h
☒ D. 60 km/h

Q.43 The amount on a sum of ₹4,400 at 5% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☐ A. ₹4,819
☒ B. ₹4,851
☐ C. ₹5,840
☐ D. ₹4,071

Q.44 A taxi service charges a fixed base fare plus a variable rate per kilometre. For a 10 km trip, Raju paid ₹230 and for a 15 km trip, Meena paid ₹330. What is the base fare and the per-kilometre charge?

- Ans** ☒ A. Base fare = ₹30; Per-kilometre Charge = ₹20
☐ B. Base fare = ₹50; Per-kilometre Charge = ₹18
☐ C. Base fare = ₹60; Per-kilometre Charge = ₹15
☐ D. Base fare = ₹40; Per-kilometre Charge = ₹18

Q.45 A, B and C can do a piece of work in 3, 10 and 15 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans** ☐ A. 12
☐ B. 5
☐ C. 8
☒ D. 4

Q.46 A stationery seller purchases 6 notebooks for ₹30 and sells them for ₹36. What is his profit percentage?

- Ans** ☒ A. 20%
☐ B. 120%
☐ C. 16.67%
☐ D. 6%

Q.47 The height of a cylinder is 56 cm. If the circumference of its base is 176 cm, then what is the total surface area (in cm^2) of this cylinder?

Use $\pi = \frac{22}{7}$

- Ans**
- ☐ A. 13,252
 - ☐ B. 12,895
 - ☒ C. 14,784
 - ☐ D. 11,745

Q.48 A garrison of 1209 men has provisions for 20 days. How long (in days) will the provisions last if the garrison is increased by 403 men?

- Ans**
- ☒ A. 15
 - ☐ B. 10
 - ☐ C. 25
 - ☐ D. 35

Q.49 The average age of 43 students of a class is 25 years. If the age of the teacher is also included, the average age of the whole group becomes 26 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 71
 - ☐ B. 66
 - ☐ C. 68
 - ☒ D. 69

Q.50 If $5^x - y = 3125$ and $3^{3x + y} = 2187$, then the value of $19x - 18y$ is:

- Ans**
- ☒ A. 93
 - ☐ B. 97
 - ☐ C. 91
 - ☐ D. 95

Section : General Intelligence and Reasoning

Q.51 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. B sits fourth to the left of E. Only one person sits between B and F. C sits to the immediate left of F. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

- Ans**
- ☐ A. FD
 - ☐ B. DE
 - ☐ C. CF
 - ☒ D. BA

Q.52 Each of the digits in the number 1368497 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.53 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 6 9 1 7 9 7 3 8 1 9 1 7 7 5 4 4 3 2 3 8 7 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans
- ☒ A. 5
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 7

Q.54 Ramesh starts from Point A and drives 51 km towards the north. He then takes a right turn, drives 55 km, turns right and drives 54 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 3 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. 1 km to the east
 - ☒ B. 4 km to the west
 - ☒ C. 3 km to the west
 - ☒ D. 2 km to the east

Q.55 In a certain code language, 'give me bike' is written as 'bn gt ry' and 'who know me' is coded as 'ry fh vt'. How is 'me' coded in that language?

- Ans
- ☒ A. vt
 - ☒ B. fh
 - ☒ C. bn
 - ☒ D. ry

Q.56 What should come in place of the question mark (?) in the given series?

28 33 23 28 ? 23

- Ans
- ☒ A. 18
 - ☒ B. 20
 - ☒ C. 15
 - ☒ D. 22

Q.57 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. ORN
 - ☒ B. FIE
 - ☒ C. KNJ
 - ☒ D. QPT

Q.58 BDBF is related to JLJN in a certain way based on the English alphabetical order. In the same way, HJHL is related to PRPT. To which of the given options is RTRV related, following the same logic?

- Ans
- ☒ A. ZCYG
 - ☒ B. ZAYD
 - ☒ C. ZBZD
 - ☒ D. ZBYD

- Q.59** 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 houses are kites.
All mangoes are houses.
All flowers are kites.

Conclusions:

(I) Some houses are flowers.
(II) No flowers are mangoes.

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

- Q.60** If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 7593562, which of the following digits will be second from the left in the new number this formed?

- Ans** ☒ A. 8
☒ B. 3
☒ C. 5
☒ D. 1

- Q.61** Refer to the following number-symbol series and answer the question that follows. Counting is to be done from left to right only.

(Left) \$ # # £ 9 % £ 7 * & € 1 3 4 5 6 4 9 € 2 5 & (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans** ☒ A. 6
☒ B. 2
☒ C. 5
☒ D. 4

- Q.62** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NDG, PFI, RHK, TJM, ?

- Ans** ☒ A. VKP
☒ B. VLP
☒ C. VKO
☒ D. VLO

Q.63 This question is based on the five, three-digit numbers given below.

(Left) 742 912 853 657 154 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

- Ans
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Four

Q.64 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BZA 30 ZXY 41 XVW 52 VTU 63 ?

- Ans
- ☒ A. TRS 74
 - ☒ B. TQR 73
 - ☒ C. TSR 74
 - ☒ D. TYE 73

Q.65 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:

All hydrogen is oxygen.

Some oxygen is nitrogen.

Some nitrogen is carbon.

Conclusions:

(I): Some nitrogen is hydrogen.

(II): No carbon is oxygen.

- Ans
- ☒ A. Only conclusion (I) is true
 - ☒ B. Only conclusion (II) is true
 - ☒ C. Neither conclusion (I) nor (II) is true
 - ☒ D. Both conclusions (I) and (II) are true

Q.66 In a certain code language, 'bring the cup' is coded as 'bz rs tq' and 'cup on the' is coded as 'rs pl tq'. How is 'on' coded in that language?

- Ans
- ☒ A. rs
 - ☒ B. bz
 - ☒ C. tq
 - ☒ D. pl

Q.67 Each of the digits in the number 9214538 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. None

Q.68 In a traffic jam on the road, Car A is to the right of Car B. Car D is to the left of Car B. Car F is behind Car D. What is the position of Car F with respect to Car B?

- Ans**
- ☐ A. West
 - ☐ B. South-east
 - ☒ C. South-west
 - ☐ D. South

Q.69 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. SO-NJ
 - ☒ B. NJ-HG
 - ☐ C. TP-OK
 - ☐ D. JF-EA

Q.70 A, B, C, D, N, O and P are sitting in a straight line, facing the north. Only N sits to the left of P. Only four people sit between N and A. Only B sits between O and C, and O is not an immediate neighbour of A. Who sits at the extreme right of the line?

- Ans**
- ☐ A. O
 - ☒ B. D
 - ☐ C. C
 - ☐ D. A

Q.71 What should come in place of the question mark (?) in the given series?

249 232 215 198 181 ?

- Ans**
- ☐ A. 170
 - ☐ B. 166
 - ☒ C. 164
 - ☐ D. 168

Q.72 All 63 people are standing in a row, facing the north. Mr. Zzz is 12th from the left end while Mr. Ggg is 5th from the right end. How many people are there between Mr. Zzz and Mr. Ggg?

- Ans**
- ☒ A. 46
 - ☐ B. 43
 - ☐ C. 45
 - ☐ D. 47

Q.73 Refer to the given number series and answer the question that follow (all numbers are single digit numbers only).

(Left) 4 2 1 5 7 9 8 5 3 6 2 1 5 7 3 7 8 4 3 6 9 7 4 5 2 4 1 (Right)

How many prime numbers are there in the number series?

- Ans**
- ☒ A. Fourteen
 - ☐ B. Seven
 - ☐ C. Nine
 - ☐ D. Thirteen

Q.74 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CUV : AYT
YCR : WGP

- Ans**
- ☒ A. TWG : PYC
 - ☒ B. KGX : HKU
 - ☒ C. UKN : SOL
 - ☒ D. ANP : VRK

Q.75 Seven people, R, S, T, U, V, W and X, are sitting in a row, facing east. V is seated third from the right end. S is fourth to the left of W. R is seated to the right of V and at one of the ends. Only one person is seated between T and S. U does not sit at any of the extreme ends. Who is seated at the extreme left end?

- Ans**
- ☒ A. X
 - ☒ B. T
 - ☒ C. V
 - ☒ D. W

Q.76 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(28, 4, 336)
(25, 5, 375)

- Ans**
- ☒ A. (32, 3, 288)
 - ☒ B. (26, 6, 368)
 - ☒ C. (41, 3, 379)
 - ☒ D. (31, 6, 465)

Q.77 What should come in place of the question mark (?) in the given series?

951 952 954 957 961 ?

- Ans**
- ☒ A. 966
 - ☒ B. 964
 - ☒ C. 969
 - ☒ D. 965

Q.78 Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. Only five boxes are kept below X. Only three boxes are kept between F and X. V is kept at one of the positions below F. Only E is kept between X and W. D is kept at one of the positions above X. How many boxes are kept between V and D?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. Five
 - ☒ D. Three

Q.79 In a certain code language,
'A + B' means 'A is the father of B',
'A - B' means 'A is the husband of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the mother of B'.

How is F related to K if 'F × G + H - I ÷ K'?

- Ans**
- ☐ A. Mother's mother
 - ☐ B. Mother's sister
 - ☐ C. Father's sister
 - ☒ D. Father's mother

Q.80 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WEAR - EAWR - RAEW
SINK - INSK - KNIS

- Ans**
- ☒ A. MONK - ONMK - KNOM
 - ☐ B. BITE - BTIE - ETIB
 - ☐ C. YOUR - OYUR - ROUY
 - ☐ D. FANS - ANFS - ANSF

Section : General Awareness and Current Affairs

Q.81 Which other Bill related to Waqf matters also received Presidential assent in 2025?

- Ans**
- ☐ A. Islamic Trusts Reform Bill
 - ☒ B. Mussalman Wakf (Repeal) Bill
 - ☐ C. Muslim Property Regulation Bill
 - ☐ D. Waqf Tribunal Establishment Bill

Q.82 Who became the first Indian chess player to be ranked No.1 in the live FIDE rankings in 2025?

- Ans**
- ☐ A. Arjun Erigaisi
 - ☒ B. R Praggnanandhaa
 - ☐ C. Viswanathan Anand
 - ☐ D. D Gukesh

Q.83 Which of the following Bills, presented by the Union Home Minister and Minister of Cooperation on 20 August 2025, prohibits individuals holding key constitutional offices from administering the government while in jail?

- Ans**
- ☒ A. Constitution (One Hundred and Thirtieth Amendment) Bill, 2025
 - ☐ B. Constitution (One Hundred and Twenty-Ninth Amendment) Bill, 2025
 - ☐ C. Constitution (One Hundred and Twenty-Eighth Amendment) Bill, 2025
 - ☐ D. Constitution (One Hundred and Twenty-Seventh Amendment) Bill, 2025

Q.84 As announced in June 2025, which of the following banks approved \$109.97 million loan to boost advanced skills and employability in Gujarat?

- Ans**
- ☒ A. Asian Development Bank
 - ☐ B. World Bank
 - ☐ C. State Bank of India
 - ☐ D. Reserve Bank of India

Q.85 According to the 2025 Global Hunger Index report, what is India's rank among the assessed countries?

- Ans** ☒ A. 102nd
☐ B. 95th
☐ C. 110th
☐ D. 98th

Q.86 What was India's unemployment rate in May 2025, as per the Periodic Labour Force Survey (PLFS)?

- Ans** ☐ A. 6.2%
☐ B. 5.1%
☐ C. 4.8%
☒ D. 5.6%

Q.87 The Environment Audit Rules, 2025, were introduced by which ministry in India?

- Ans** ☐ A. Ministry of Corporate Affairs
☒ B. Ministry of Environment, Forest and Climate Change
☐ C. Ministry of Earth Sciences
☐ D. Ministry of Commerce & Industry

Q.88 What is the name of the ChatGPT-style AI service set to be launched by Reliance Industries?

- Ans** ☒ A. Hanooman
☐ B. G P Style
☐ C. ChatGPT-style
☐ D. Chat Reliance

Q.89 Indian Conservation Conference-2025, highlighting traditional knowledge and scientific approaches, took place in which month of 2025?

- Ans** ☐ A. April
☒ B. June
☐ C. March
☐ D. September

Q.90 Which day is recognised as International Youth Day in 2025?

- Ans** ☐ A. July 18
☐ B. August 9
☒ C. August 12
☐ D. September 21

Q.91 The country's first earthquake early warning mobile application 'Bhookamp' has been developed in which of the following IITs?

- Ans** ☐ A. IIT Indore
☐ B. IIT Delhi
☐ C. IIT Kanpur
☒ D. IIT Roorkee

Q.92 In January 2025, the Reserve Bank of India removed supervisory restrictions on which of the following Non-Banking Financial Companies (NBFCs)?

- Ans** ☐ A. AP Rural Bank
☒ B. Arohan Financial Services
☐ C. GoCapital Finance
☐ D. Family Home Finance

Q.93 Who inaugurated the Chief Minister's Mini Sports Stadium in Madurai district in March 2025?

- Ans**
- ☐ A. Edappadi K Palaniswam
 - ☐ B. P Moorthy
 - ☒ C. Udhayanidhi Stalin
 - ☐ D. Anbil Mahesh

Q.94 At the Panorama International Literature Festival Awards, 2025, which young Indian received the Serena Memorial Child Prodigy Award, 2025?

- Ans**
- ☒ A. Nairithi Konduru
 - ☐ B. Vinita Agrawal
 - ☐ C. Karnav Rastogi
 - ☐ D. Salman Lakda

Q.95 In which Union Territories will the 5th edition of Khelo India Winter Games 2025 be held?

- Ans**
- ☐ A. Himachal Pradesh and Uttarakhand
 - ☐ B. Sikkim and Arunachal Pradesh
 - ☒ C. Jammu & Kashmir and Ladakh
 - ☐ D. Punjab and Haryana

Q.96 Which of the following Constitution Amendment Bills was introduced in the Lok Sabha in August 2025?

- Ans**
- ☐ A. 133rd Amendment Bill
 - ☒ B. 130th Amendment Bill
 - ☐ C. 131st Amendment Bill
 - ☐ D. 129th Amendment Bill

Q.97 Which Pakistani javelin thrower received the 'Best Asian Athlete' title in May 2025?

- Ans**
- ☐ A. Muhammad Illihas
 - ☐ B. Kareem Ali Kamran
 - ☐ C. Muhammad Ali
 - ☒ D. Arshad Nadeem

Q.98 Which public sector company secured a ₹511 crore Transfer of Technology (ToT) deal from ISRO in 2025 to manufacture and commercialise Small Satellite Launch Vehicles (SSLVs)?

- Ans**
- ☒ A. Hindustan Aeronautics Limited
 - ☐ B. Bharat Electronics Limited
 - ☐ C. Larsen & Toubro
 - ☐ D. Indian SpaceTech Corporation

Q.99 What is the name of the new programme launched by the National Commission for Women (NCW) in May 2025 for college students to promote gender sensitivity, raise awareness on the prevention of sexual harassment and address cyber crimes impacting students?

- Ans**
- ☐ A. Yuva Saksham Initiative
 - ☐ B. Gender Sensitization Scholars
 - ☒ C. Campus Calling Abhiyaan
 - ☐ D. Campus Ambassadors Programme

Q.100 Whose statue was unveiled at Raj Bhavan, Goa, by the Vice-President of India and is known as the 'Father of Medicine' in ancient Indian history?

- Ans**
- ☒ A. Charaka
 - ☐ B. Patanjali
 - ☐ C. Sushruta
 - ☐ D. Dhanvantari



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Radha Raman Assessment Services Private Limited
Test Date	21/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Phosphoric acid (H_3PO_4) is composed of which of the following ions?

- Ans
- ☐ A. H_2^+ , PO_4^{3-}
 - ☐ B. H^+ , PO_4^{4-}
 - ☐ C. H^+ , PO_4^{2-}
 - ☒ D. H^+ , PO_4^{3-}

Q.2 If a piece of aluminium is added to iron(II) sulphate ($FeSO_4$) solution, what will happen?

- Ans
- ☐ A. There will be no reaction.
 - ☐ B. Blue solution will be formed.
 - ☒ C. Iron will get deposited.
 - ☐ D. Aluminium will get deposited.

Q.3 What conclusion can be drawn from the microscopic observation of onion peel cells?

- Ans
- ☐ A. Onion bulbs contain different cell types for different functions
 - ☐ B. The size of the onion decides the shape of its individual cells
 - ☐ C. Each onion peel contains cells of different composition
 - ☒ D. All onions are made up of similar small structures called cells

Q.4 If the speed of an object changes with time, the distance-time graph will be:

- Ans
- ☒ A. A curved line
 - ☐ B. A straight line parallel to the time axis
 - ☐ C. A straight line inclined to the time axis
 - ☐ D. A horizontal straight line

Q.5 The smooth endoplasmic reticulum (SER) helps in the manufacture of _____.

- Ans
- ☐ A. proteins
 - ☐ B. DNA
 - ☒ C. lipids (fats)
 - ☐ D. starch

Q.6 What is the primary mechanism through which sexual reproduction generates genetic diversity in the offspring?

- Ans**
- ☐ A. Variation in chromosome number among the gametes
 - ☐ B. Inaccuracies in DNA copying during gamete formation in maternal and paternal parents
 - ☐ C. Frequent cell divisions during gamete formation
 - ☒ D. Random distribution of maternal or paternal chromosomes from each chromosome pair to the gametes

Q.7 Which of the following statements is/are correct regarding vegetative propagation?

Statement A: Root, stem and leaves develop into new plants under appropriate conditions.

Statement B: Vegetative propagation is used in sugarcane, roses and grapes.

- Ans**
- ☒ A. Both Statement A and B
 - ☐ B. Neither Statement A nor B
 - ☐ C. Only Statement B
 - ☐ D. Only Statement A

Q.8 An object moves along a straight path for 5 s. Its initial velocity is 10 m s^{-1} and its final velocity is -2 m s^{-1} . What is the magnitude of the average velocity?

- Ans**
- ☐ A. 5 m/s
 - ☐ B. 8 m/s
 - ☒ C. 4 m/s
 - ☐ D. 6 m/s

Q.9 Which of the following causes a change in the state of matter?

- Ans**
- ☐ A. Mixing it with another substance
 - ☒ B. Changing temperature or pressure
 - ☐ C. Dissolving the substance
 - ☐ D. Cutting the substance

Q.10 Impurities are converted to compounds by adding refining agents in which type of refining method?

- Ans**
- ☒ A. Chemical method
 - ☐ B. Ionic method
 - ☐ C. Electro-chemical method
 - ☐ D. Physical method

Q.11 Which of the following is NOT the correct use of a concave mirror?

- Ans**
- ☐ A. It is used in torches.
 - ☒ B. It is used as a rear view mirror in automobiles.
 - ☐ C. It is used as a shaving mirror.
 - ☐ D. It is used in a solar furnace.

Q.12 Which of the following sounds has the lowest pitch?

- Ans**
- ☐ A. A bird's chirp (1500 Hz)
 - ☐ B. A child's voice (350 Hz)
 - ☐ C. A tuning fork (512 Hz)
 - ☒ D. A man's deep voice (100 Hz)

Q.13 Which of the following scenarios can disturb a food web the most?

- Ans**
- ☒ A. Sudden removal of a key species
 - ☐ B. Seasonal change in rainfall
 - ☐ C. Change in wind direction
 - ☐ D. Increase in sunlight hours

Q.14 The direction of the magnetic field at the centre of a current-carrying circular loop is determined by which of the following?

- Ans**
- ☒ A. Right-Hand Thumb Rule
 - ☐ B. Lenz's Law
 - ☐ C. Fleming's Left-Hand Rule
 - ☐ D. Fleming's Right-Hand Rule

Q.15 What type of force is responsible for the Moon's circular motion around Earth?

- Ans**
- ☒ A. Centripetal Force due to Earth's gravity
 - ☐ B. Centrifugal Force
 - ☐ C. Electromagnetic Force
 - ☐ D. Normal Force

Q.16 The molecular mass of carbon dioxide is:

- Ans**
- ☒ A. 44 amu
 - ☐ B. 32 amu
 - ☐ C. 28 amu
 - ☐ D. 50 amu

Q.17 Two resistors of $2\ \Omega$ and $X\ \Omega$ are connected in series to a 10 V battery. If the current flowing through the resistors is 2 A, then what will be the value of X (in Ohm)?

- Ans**
- ☐ A. 1/2
 - ☒ B. 3
 - ☐ C. 2
 - ☐ D. 1/3

Q.18 What happens when acid is dissolved in water?

- Ans**
- ☐ A. It forms salt.
 - ☒ B. It releases H^+ ions.
 - ☐ C. It releases OH^- ions.
 - ☐ D. It loses its acidic properties.

Q.19 How many contrasting characters were used by Mendel to formulate the laws of inheritance?

- Ans**
- ☐ A. 8
 - ☒ B. 7
 - ☐ C. 4
 - ☐ D. 5

Q.20 The work done in carrying a block of mass 30 kg to a height of 'X' m is 6000 J. What will be the value of X (in m)?
(Take the value of $g = 10\text{ m/s}^2$)

- Ans**
- ☐ A. 1800
 - ☒ B. 20
 - ☐ C. 1,80,000
 - ☐ D. 200

Q.21 The image formed by a concave lens for an object at infinity is:

- Ans**
- ☒ A. virtual, erect, and point-sized
 - ☐ B. virtual, inverted, and diminished
 - ☐ C. real, erect, and magnified
 - ☐ D. real, inverted, and large

Q.22 Which of the following plant nutrients is supplied from air?

- Ans**
- ☒ A. Carbon
 - ☐ B. Hydrogen
 - ☐ C. Nitrogen
 - ☐ D. Iron

Q.23 What colour does phenolphthalein turn to in a basic solution?

- Ans**
- ☐ A. Red
 - ☐ B. Yellow
 - ☐ C. Colourless
 - ☒ D. Pink

Q.24 Balance the following reaction:



- Ans**
- ☐ A. $x = 3, y = 2$
 - ☐ B. $x = 4, y = 4$
 - ☒ C. $x = 4, y = 2$
 - ☐ D. $x = 2, y = 4$

Q.25 Which connective tissue smoothens bone surfaces at joints and is present in the ear and trachea?

- Ans**
- ☐ A. Areolar
 - ☐ B. Ligament
 - ☒ C. Cartilage
 - ☐ D. Adipose

Section : Mathematics

Q.26 In a race, an athlete covers a distance of 420 m in 140 sec in the first lap. He covers the second lap of the same distance in 70 sec. What is the average speed (in m/sec) of the athlete?

- Ans**
- ☐ A. 3
 - ☒ B. 4
 - ☐ C. 5
 - ☐ D. 9

Q.27 Mohan can complete a piece of work alone in 6 days by working 5 hours a day, and Rohan can do the same in 8 days. If they work together for 8 hours each day, how long will it take them to finish the work?

- Ans**
- ☐ A. $3\frac{4}{9}$ days
 - ☐ B. $3\frac{1}{5}$ days
 - ☐ C. $2\frac{5}{8}$ days
 - ☒ D. $2\frac{1}{7}$ days

Q.28 A typist takes 40 minutes to type 4 pages. How many pages will he type in 90 minutes?

- Ans**
- ☐ A. 11
 - ☐ B. 10
 - ☒ C. 9
 - ☐ D. 8

Q.29 One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 9 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 18
 - ☐ B. 10
 - ☒ C. 9
 - ☐ D. 19

Q.30 The price of fuel decreases by 40%, 15% and 45% in three successive months, but increases by 70% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places)

- Ans**
- ☒ A. Decreases by 52.32%
 - ☐ B. Increases by 48.21%
 - ☐ C. Increases by 54.13%
 - ☐ D. Decreases by 53.03%

Q.31 Simplify: $[(4x - 5y)^2 + 80xy] \div [(4x + 5y)^2]$

- Ans**
- ☐ A. 4
 - ☒ B. 1
 - ☐ C. -3
 - ☐ D. 2

Q.32 A person is 5 years older than twice their sibling's age. If the person is currently 27 years old, how old is the sibling?

- Ans**
- ☐ A. 12 years
 - ☒ B. 11 years
 - ☐ C. 13 years
 - ☐ D. 10 years

Q.33 If the mode of a data exceeds its mean by 19.8, then the mode exceeds the median by _____. (Use empirical formula to find the answer.)

- Ans**
- ☐ A. 15.3
 - ☐ B. 8.6
 - ☒ C. 13.2
 - ☐ D. 14.6

Q.34 In a quadrilateral ABCD, $\angle A = 32^\circ$ and $\angle B = 58^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

- Ans**
- ☐ A. 33°
 - ☐ B. 50°
 - ☒ C. 45°
 - ☐ D. 60°

Q.35 ₹1,964 is divided among Ashish, Lalita and Pranav in such a way that if ₹50, ₹17 and ₹10 are deducted from their respective shares, they have money in the ratio 20:4:13. Find Lalita's share.

- Ans** ☒ A. ₹221
☐ B. ₹154
☐ C. ₹354
☐ D. ₹304

Q.36 If a pole is 30 m high, casts a shadow $10\sqrt{3}$ m long on the ground, then the angle of elevation of the sun is:

- Ans** ☒ A. 60°
☐ B. 90°
☐ C. 30°
☐ D. 45°

Q.37 If $4^{(x+1)} = 64 \times 8^x$, find the value of x.

- Ans** ☐ A. -2
☐ B. 4
☒ C. -4
☐ D. 2

Q.38 A shopkeeper offers the following four schemes:

- A) Two successive discounts of 32% and 40%
- B) Buy 1, get 5 free
- C) A single discount of 48%
- D) Two successive discounts of 8% and 33%

Which scheme is best for the shopkeeper?

- Ans** ☐ A. A
☐ B. C
☒ C. D
☐ D. B

Q.39 The amount on a sum of ₹1,500 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☐ A. ₹1,661
☒ B. ₹1,815
☐ C. ₹1,940
☐ D. ₹2,423

Q.40 A person sells a table at a 7% profit. If he had sold it for ₹1,280 more, then his profit would have been 17%. Find the cost price of the table.

- Ans** ☐ A. ₹12,200
☐ B. ₹12,400
☐ C. ₹12,600
☒ D. ₹12,800

Q.41 A dealer marks his goods at 44% above the cost price and allows a discount of 75% on the marked price. What is his gain or loss percentage?

- Ans** ☐ A. 67% gain
☐ B. 65% loss
☐ C. 66% loss
☒ D. 64% loss

Q.42 Walking at $\frac{3}{5}$ of his normal speed from his home, Vishal is 24 minutes to cover the distance between his home and his office is:

- Ans
- ☒ A. 45 minutes
 - ☒ B. 34 minutes
 - ☒ C. 36 minutes
 - ☒ D. 41 minutes

Q.43 A food outlet sells two types of meal combos. The first combo contains 2 sandwiches and 1 juice and costs ₹80. The second combo contains 1 sandwich and 2 juices and costs ₹70. What is the price of one sandwich?

- Ans
- ☒ A. ₹35
 - ☒ B. ₹30
 - ☒ C. ₹25
 - ☒ D. ₹20

Q.44 A room with a square base and height 10 ft occupies $25,000 \text{ ft}^3$ volume. The room has cubicles of base area 25 ft^2 in four corners. The walls and ceiling of the area of the room which is not occupied by cubicles is to be painted. How much area is to be painted?

- Ans
- ☒ A. 4500 ft^2
 - ☒ B. 4200 ft^2
 - ☒ C. 4300 ft^2
 - ☒ D. 4000 ft^2

Q.45 A cylinder whose height is eight times its radius is melted and cast into spherical balls each of half the radius of the cylinder. Find the number of spherical balls.

- Ans
- ☒ A. 48
 - ☒ B. 56
 - ☒ C. 35
 - ☒ D. 24

Q.46 In a test, B got 50 marks while A got 75 marks, out of 110 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places.)

- Ans
- ☒ A. 66.67%
 - ☒ B. 68.18%
 - ☒ C. 150.22%
 - ☒ D. 110.19%

Q.47 The ratio of two numbers is 3:4 and their HCF is 7. Their LCM is:

- Ans
- ☒ A. 49
 - ☒ B. 84
 - ☒ C. 64
 - ☒ D. 56

Q.48 The average age of 23 students of a class is 25 years. If the age of the teacher is also included, the average age of the whole group becomes 26 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 59
 - ☐ B. 56
 - ☒ C. 49
 - ☐ D. 57

Q.49 If 40% of 10% of $\frac{1}{3}$ of a number is 477, find the number.

- Ans**
- ☐ A. 37030
 - ☐ B. 38170
 - ☒ C. 35775
 - ☐ D. 39070

Q.50 What will come in place of 'X', and $X > 0$, in the equation $\frac{X}{125} = \frac{5}{X}$



- Ans**
- ☐ A. 23
 - ☐ B. 28
 - ☒ C. 25
 - ☐ D. 27

Section : General Intelligence and Reasoning

Q.51 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K & T x R - Z + V'?

- Ans**
- ☐ A. Daughter
 - ☒ B. Son's wife's father
 - ☐ C. Son's wife's brother
 - ☐ D. Wife's father

Q.52 Refer to the following number- symbol series and answer the question that follows.
Counting is to be done from left to right only.

(Left) 5 € \$ 4 9 & & 4 € @ © 7 @ 7 9 1 8 # 8 % 5 £ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☐ A. 4
 - ☐ B. 8
 - ☐ C. 9
 - ☒ D. 3

- Q.53** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 4 1 9 5 1 3 6 5 3 2 7 4 9 8 4 2 7 8 4 2 5 7 6 4 5 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and immediately followed by an odd number?

- Ans** ☒ A. Four
☒ B. Two
☒ C. Three
☒ D. One

- Q.54** 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 vehicles are trucks.
Some vehicles are lorries.
Some trucks are buses.

Conclusions:

(I) Some vehicles are buses.
(II) Some trucks are lorries.

- 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.55** Select the pair that follows the same pattern as the one followed by the two set of pairs given below. Both pairs follow the same pattern.

VYA-EHJ
HKM-QTV

- Ans** ☒ A. TWW-BEG
☒ B. TWY-CFH
☒ C. TWY-BFG
☒ D. TVW-CFH

- Q.56** What should come in place of the question mark (?) in the given series?

170 150 133 119 108 ?

- Ans** ☒ A. 102
☒ B. 106
☒ C. 98
☒ D. 100

- Q.57** MGRC is related to HCOA in a certain way based on the English alphabetical order. In the same way, VOWB is related to QKTZ. To which of the given options is QNVT related, following the same logic?

- Ans** ☒ A. LJSR
☒ B. MKRS
☒ C. LKSR
☒ D. MJRS

Q.58 Each of the digits in the number 1748563 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☐ A. 14
 - ☐ B. 12
 - ☒ C. 10
 - ☐ D. 6

Q.59 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. JL-OQ
 - ☐ B. RT-WY
 - ☐ C. ZB-EG
 - ☒ D. XZ-BG

Q.60 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DEL GFJ JGH MHF ?

- Ans**
- ☐ A. QJD
 - ☐ B. PJD
 - ☒ C. PID
 - ☐ D. QID

Q.61 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 1 2 9 6 7 5 1 7 8 9 7 8 4 3 5 8 2 7 4 9 3 5 6 4 1 6 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an odd digit?

- Ans**
- ☐ A. None
 - ☐ B. Four
 - ☒ C. Three
 - ☐ D. Two

Q.62 What should come in place of the question mark (?) in the given series?

6 10 18 30 46 ?

- Ans**
- ☐ A. 52
 - ☐ B. 76
 - ☒ C. 66
 - ☐ D. 72

Q.63 JIKO is related to ZYAE in a certain way based on the English alphabetical order. In the same way, VUWA is related to LKMQ. To which of the given options is RQSW related, following the same logic?

- Ans**
- ☐ A. HNJU
 - ☒ B. HGIM
 - ☐ C. HGYT
 - ☐ D. HYUO

Q.64 In a certain code language, 'trust builds bond' is coded as 'zn fy tk' and 'keep your trust' is coded as 'fy ep rb'. How is 'trust' coded in that language?

- Ans
- ☐ A. ep
 - ☐ B. rb
 - ☐ C. zn
 - ☒ D. fy

Q.65 Prakash starts from Point A and drives 37 km towards the north. He then takes a left turn, drives 40 km, turns left and drives 55 km. He then takes a left turn and drives 64 km. He takes a final left turn, drives 18 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. 23 km to the west
 - ☐ B. 22 km to the west
 - ☐ C. 25 km to the east
 - ☒ D. 24 km to the west

Q.66 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEA 40 EDZ 32 DCY 24 CBX 16 ?

- Ans
- ☐ A. BBV 8
 - ☐ B. BEI 7
 - ☐ C. BZV 7
 - ☒ D. BAW 8

Q.67 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:

All Pianos are Guitars.
Some Guitars are Violins.
No Violins are Drums.

Conclusions:

(I) Some Drums are Guitars.
(II) Some Violins are Pianos.

- Ans
- ☐ A. Both conclusions (I) and (II) are true.
 - ☒ B. Neither conclusion (I) nor (II) is true.
 - ☐ C. Only conclusion (II) is true.
 - ☐ D. Only conclusion (I) is true.

Q.68 This question is based on the five, three-digit numbers given below.
(Left) 458 625 751 359 245 (Right)
(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, then the position of how many numbers will remain unchanged?

- Ans
- ☐ A. 1
 - ☐ B. 4
 - ☒ C. 3
 - ☐ D. 2

Q.69 All 31 students in a class are standing in a row, facing north. Pooja is 9th from the right end, while Tanya is 16th from the left end. How many people stand between Pooja and Tanya?

- Ans**
- ☐ A. 5
 - ☐ B. 8
 - ☐ C. 7
 - ☒ D. 6

Q.70 In a certain code language, 'FOUR' is coded as '5812' and 'ROUT' is coded as '5628'. What is the code for 'T' in that language?

- Ans**
- ☐ A. 5
 - ☒ B. 6
 - ☐ C. 8
 - ☐ D. 2

Q.71 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 39, 87)
(27, 51, 99)

- Ans**
- ☒ A. (83, 107, 155)
 - ☐ B. (55, 79, 128)
 - ☐ C. (72, 95, 143)
 - ☐ D. (49, 73, 122)

Q.72 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. A is an immediate neighbour of both E and B. B sits third to the left of F. D sits to the immediate left of F. G is not an immediate neighbour of B. How many people sit between C and G, when counted from the right of G?

- Ans**
- ☒ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 4

Q.73 The house of P is 5 km west of the house of Q. The house of R is 3 km north of the house of Q. The house of S is 10 km south of the house of R. In which direction is the house of S from the house of Q?

- Ans**
- ☐ A. West
 - ☐ B. North
 - ☐ C. East
 - ☒ D. South

Q.74 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$79 \div 7 + 464 \times 4 - 386 = ?$$

- Ans**
- ☐ A. 871
 - ☐ B. 839
 - ☐ C. 862
 - ☒ D. 823

Q.75 What should come in place of the question mark (?) in the given series?

4 9 14 19 24 ?

- Ans**
- ☒ A. 29
 - ☐ B. 25
 - ☐ C. 27
 - ☐ D. 28

Q.76 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. VXA
 - ☐ B. GIL
 - ☒ C. JLP
 - ☐ D. KMP

Q.77 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of F. C sits third to the left of E. C is an immediate neighbour of F. D sits to the immediate left of B. How many people sit between B and C?

- Ans**
- ☐ A. None
 - ☐ B. Three
 - ☐ C. Two
 - ☒ D. One

Q.78 Each of the digits in the number 756931482 is arranged in ascending order from left to right. What will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

- Ans**
- ☐ A. 10
 - ☐ B. 13
 - ☒ C. 11
 - ☐ D. 12

Q.79 Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order.

Only four boxes are kept between A and E. Only C is kept above A. Only two boxes are kept between G and F. B is kept immediately above D. F is not kept immediately above B.

How many boxes are kept below B?

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☒ D. 3

Q.80 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only three people sit between D and E. B sits to the immediate left of E. No one sits to the right of G. Only two people sit between G and B. A sits to the immediate right of F. How many people sit to the right of C?

- Ans**
- ☒ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4

Q.81 Which of the following Indian banks increased the minimum balance requirement for new customers for the semi-urban segment branches to ₹25,000, compared to its earlier ₹5,000 levels from August 1, 2025?

- Ans**
- ☐ A. State Bank of India
 - ☐ B. Punjab National Bank
 - ☒ C. ICICI Bank
 - ☐ D. HDFC Bank

Q.82 In 2025, India launched Operation SINDOOR in response to a terror attack. The operation targeted terrorist camps in which region?

- Ans**
- ☐ A. Punjab & Pakistan
 - ☐ B. Rajasthan & Pakistan occupied Kashmir
 - ☐ C. Gujarat & Pakistan
 - ☒ D. Pakistan and Pakistan occupied Kashmir

Q.83 Which author's work 'Paradise Inc.' critiques Western conservation models in Africa through memoir and photojournalism?

- Ans**
- ☐ A. Nell Stevens
 - ☐ B. Colum McCann
 - ☐ C. Banu Mushtaq
 - ☒ D. Guillaume Bonn

Q.84 Who became the oldest player to make a debut in men's international cricket, appearing in a T20I match at the age of 62 years and 147 days in March 2025?

- Ans**
- ☒ A. Andrew Brownlee
 - ☐ B. Osman Göker
 - ☐ C. James Southerton
 - ☐ D. Nolan Clarke

Q.85 Which of the following Brazilian cities hosted the 17th BRICS Summit on 6–7 July 2025?

- Ans**
- ☐ A. Brasilia
 - ☒ B. Rio de Janeiro
 - ☐ C. Sao Paulo
 - ☐ D. Manaus

Q.86 Where was the Khelo India Winter Games, 2025, First Phase, held from 23 January?

- Ans**
- ☐ A. Dehradun
 - ☐ B. Gulmarg
 - ☒ C. Leh
 - ☐ D. Manali

Q.87 The National Sports Governance Act, 2025, was enacted to address which of the following?

- Ans**
- ☐ A. Athlete selection controversies only
 - ☒ B. Challenges and impediments in the governance of sports bodies
 - ☐ C. Sports infrastructure funding gaps
 - ☐ D. Financial irregularities in sports broadcasting

Q.88 Haryana's 2025 environmental plan aims to fully eliminate stubble burning by which target year?

- Ans**
- ✓ A. 2030
 - ✗ B. 2028
 - ✗ C. 2047
 - ✗ D. 2045

Q.89 As reported in August 2025, which of the following relief measures did exporters request from the government and Reserve Bank of India (RBI) to help with financial strain caused by US tariffs?

- Ans**
- ✗ A. Import bans on US goods
 - ✗ B. Increase in export tariffs
 - ✓ C. Relaxation on loan repayments
 - ✗ D. Complete write-off of loans

Q.90 Which Odia poet won the Bal Sahitya Puraskar in June 2025 for Kete Phula Phutichhi?

- Ans**
- ✗ A. Subrat Senapati
 - ✗ B. Fagu Baskey
 - ✗ C. Mayur Khavdu
 - ✓ D. Rajkishore Parhi

Q.91 Which institute has developed an indigenously made point-of-care test kit for early diagnosis of Haemophilia A and Von Willebrand Disease?

- Ans**
- ✗ A. All India Institute of Medical Sciences (AIIMS)
 - ✗ B. National Institute of Virology
 - ✓ C. National Institute of Immunohaematology
 - ✗ D. Indian Council of Medical Research (ICMR)

Q.92 Which government body is most likely involved in organising or supporting Esports Conclave 2025?

- Ans**
- ✓ A. Ministry of Youth Affairs and Sports
 - ✗ B. Ministry of Education
 - ✗ C. Ministry of Home Affairs
 - ✗ D. Ministry of External Affairs

Q.93 Which national park was declared India's 58th Tiger Reserve in March 2025?

- Ans**
- ✗ A. Ramgarh Vishdhari National Park, Rajasthan
 - ✓ B. Madhav National Park, Madhya Pradesh
 - ✗ C. Guru Ghasidas National Park, Chhattisgarh
 - ✗ D. Orang National Park, Assam

Q.94 Which of the following missile systems did India test within a 24-hour window in July 2025, showcasing strategic deterrence capabilities?

- Ans**
- ✗ A. Agni-II, Astra, Shaurya
 - ✗ B. Agni-V, BrahMos
 - ✗ C. iDEX innovation
 - ✓ D. Prithvi-II, Agni-I

Q.95 Apart from 30th January, on which other date is Martyrs' Day observed in India to honour Bhagat Singh, Rajguru and Sukhdev?

- Ans**
- ☐ A. 13th April
 - ☐ B. 9th August
 - ☒ C. 23rd March
 - ☐ D. 15th March

Q.96 What is the name of the submarine commissioned by India on January 15, 2025?

- Ans**
- ☐ A. INS Vela
 - ☐ B. INS Khanderi
 - ☐ C. INS Kalvari
 - ☒ D. INS Vagsheer

Q.97 The Hynniewtrep Youth Council (HYC) raised objections against a proposed eco-tourism project in which of the following wildlife sanctuaries in May 2025?

- Ans**
- ☐ A. Manas Wildlife Sanctuary
 - ☒ B. Nongkhyllem Wildlife Sanctuary
 - ☐ C. Namdapha Wildlife Sanctuary
 - ☐ D. Kamlang Wildlife Sanctuary

Q.98 The Italian Open, 2025, held in May 2025, was won by:

- Ans**
- ☐ A. Rafael Nadal
 - ☐ B. Jannik Sinner
 - ☐ C. Tan Ning
 - ☒ D. Carlos Alcaraz

Q.99 How many people were lifted out of extreme poverty in India between 2011-12 and 2022-23, as per the World Bank?

- Ans**
- ☐ A. 220 million
 - ☐ B. 150 million
 - ☒ C. 171 million
 - ☐ D. 200 million

Q.100 Where was the National Conference on 'Opportunities of Defence Manufacturing in the Country' held in India on October 7, 2025?

- Ans**
- ☐ A. Jaipur
 - ☒ B. New Delhi
 - ☐ C. Chandigarh
 - ☐ D. Bengaluru



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Madurai III
Test Date	21/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 How do plants excrete their waste products?

- Ans**
- ☒ A. By removing wastes directly through root hairs only
 - ☒ B. By converting all wastes into oxygen and carbon dioxide
 - ☒ C. By storing them in vacuoles or excreting through falling leaves and resins
 - ☒ D. By releasing them through special excretory organs called nephrons

Q.2 A sample of brass is melted and poured into a mold to make a musical instrument. Which of the following correctly explains why brass is classified as a homogeneous mixture?

- Ans**
- ☒ A. The components of brass are chemically bonded and cannot be separated
 - ☒ B. Brass is made of only one type of atom and hence appears uniform
 - ☒ C. The components of brass are uniformly distributed and cannot be distinguished visually
 - ☒ D. Brass is an example of a compound formed by the reaction of zinc and copper

Q.3 The power of a lens is given as the reciprocal of its:

- Ans**
- ☒ A. Focal length (in metres)
 - ☒ B. Radius
 - ☒ C. Diameter
 - ☒ D. Thickness

Q.4 Soap molecules arrange themselves in which form to perform cleaning action?

- Ans**
- ☒ A. Precipitation
 - ☒ B. Colloid
 - ☒ C. Crystal
 - ☒ D. Micelles

Q.5 Why does the amount of DNA NOT keep doubling during sexual reproduction in animals?

- Ans**
- ☒ A. Because both gametes get doubled before fertilisation to form the zygote
 - ☒ B. Because both gametes get halved before fertilisation to form the zygote
 - ☒ C. Because both gametes get halved after fertilisation to form the zygote
 - ☒ D. Because both gametes get doubled after fertilisation to form the zygote

Q.6 What defines two elements as isobars?

- Ans**
- ☐ A. Same atomic number
 - ☐ B. Same number of neutrons
 - ☐ C. Same number of electrons
 - ☒ D. Same mass number but different atomic numbers

Q.7 If the surface area increases for the same thrust (force), then the pressure on the surface ____.

- Ans**
- ☐ A. increases
 - ☐ B. becomes zero
 - ☒ C. decreases
 - ☐ D. remains the same

Q.8 In a reflex arc, which of the following represents the correct path of the impulse?

- Ans**
- ☐ A. Receptor → Motor neuron → Spinal cord → Muscle
 - ☐ B. Receptor → Spinal cord → Brain → Muscle
 - ☒ C. Receptor → Spinal cord → Motor neuron → Muscle
 - ☐ D. Receptor → Brain → Spinal cord → Muscle

Q.9 What is the key realization that can lead to more sustainable use of natural resources?

- Ans**
- ☐ A. Only future generations must benefit from resources
 - ☒ B. Selfish exploitation causes environmental harm and misery
 - ☐ C. Unlimited growth is always beneficial
 - ☐ D. Rules alone can ensure conservation

Q.10 Which animal is known to communicate using infrasound?

- Ans**
- ☐ A. Rat
 - ☐ B. Dolphin
 - ☒ C. Rhinoceros
 - ☐ D. Bat

Q.11 Which of the following methods ensures prevention of transmission of sexually transmitted diseases during sexual intercourse?

- Ans**
- ☒ A. Using condoms
 - ☐ B. Using oral pills
 - ☐ C. Vasectomy
 - ☐ D. Tubectomy

Q.12 Which of the following cell organelles have cisterns and is involved in the formation of lysosomes?

- Ans**
- ☐ A. Chromoplast
 - ☐ B. Leucoplast
 - ☒ C. Golgi apparatus
 - ☐ D. Mitochondria

Q.13 In electrolytic refining, the pure metal is used as:

- Ans**
- ☐ A. sulphur
 - ☒ B. a cathode
 - ☐ C. an electrolyte
 - ☐ D. an anode

Q.14 The magnification of a concave mirror is -1 . Which of the following statements is correct about the position of the object?

- Ans
- ☐ A. Object is beyond the centre of curvature
 - ☒ B. Object is at the centre of curvature
 - ☐ C. Object is at focus
 - ☐ D. Object is between focus and pole

Q.15 What type of ions exchange between reactants in a double displacement reaction?

- Ans
- ☐ A. Negative - negative ions
 - ☒ B. Positive - negative ions
 - ☐ C. Positive - positive ions
 - ☐ D. Both positive - positive ions and negative - negative ions

Q.16 If a body's velocity changes from $+20$ m/s to -10 m/s in 4 seconds, the acceleration is _____.

- Ans
- ☐ A. -5.0 m/s²
 - ☐ B. $+5.0$ m/s²
 - ☒ C. -7.5 m/s²
 - ☐ D. $+7.5$ m/s²

Q.17 A single-turn coil of radius R produces a magnetic field B at its centre. If the same wire is wound into a coil of n turns (each of radius R/n) carrying the same current I , what will be the value of the new field at the centre?

- Ans
- ☐ A. nB
 - ☒ B. n^2B
 - ☐ C. B
 - ☐ D. B/n

Q.18 Atoms of different elements with different _____ numbers but the same _____ number are known as isobars.

- Ans
- ☐ A. mass, atomic
 - ☒ B. atomic, mass
 - ☐ C. mass, mass
 - ☐ D. atomic, atomic

Q.19 Which of the following carbon compounds shows the presence of a branched chain structure?

- Ans
- ☐ A. Methane (CH_4)
 - ☐ B. Cyclohexane (C_6H_{12})
 - ☒ C. Butane (C_4H_{10})
 - ☐ D. Ethane (C_2H_6)

Q.20 A block of mass 1 kg is dropped from the top of a building of height X m. What will be the value of X if the block hits the ground with a velocity of 20 m/s?

(Take the value of $g = 10$ m/s²)

- Ans
- ☐ A. 2 m
 - ☒ B. 20 m
 - ☐ C. 200 m
 - ☐ D. 0.2 m

Q.21 Which of the following equations does NOT correctly represent the relationship between physical quantities for an object moving with uniform acceleration?

- Ans
- ☐ A. $v=u+at$
 - ☐ B. $s=ut+\frac{1}{2}at^2$
 - ☒ C. $2as=v^2+u^2$
 - ☐ D. $v^2-u^2=2as$

Q.22 What is the primary chemistry behind a displacement reaction?

- Ans
- ☐ A. Compounds disintegrate into two or more components
 - ☐ B. Two reactants combine to generate one product
 - ☐ C. Ion exchange occurs between two substances
 - ☒ D. One element displaces another from a compound

Q.23 The parenchyma cells in plants are:

- Ans
- ☐ A. dead and compactly arranged without spaces
 - ☒ B. living and loosely arranged with intercellular spaces
 - ☐ C. living and thickened at corners without spaces
 - ☐ D. dead and elongated with lignified walls

Q.24 Which of the following options best describes a component of a flower's reproductive system?

- Ans
- ☐ A. Ovary is located in the stamen.
 - ☒ B. Stamen includes both anther and filament.
 - ☐ C. Pollen is created in the ovule.
 - ☐ D. Pistil functions as the male part.

Q.25 The resistance of a conductor depends on the:

- Ans
- ☒ A. Length, area of cross-section, material of the conductor, and temperature
 - ☐ B. Voltage applied across the conductor
 - ☐ C. Current flowing through it
 - ☐ D. Length and area of cross-section only

Section : Mathematics

Q.26 Two trains, 248 m and 142 m in length are running in opposite directions. The first runs at the rate of 34 km/hr and the second at the rate of 74 km/hr. How long will they take to cross each other?

- Ans
- ☐ A. 19 seconds
 - ☒ B. 13 seconds
 - ☐ C. 18 seconds
 - ☐ D. 12 seconds

Q.27 Find the LCM of the numbers 780, 2080 and 2600.

- Ans
- ☐ A. 15600
 - ☐ B. 6240
 - ☒ C. 31200
 - ☐ D. 10400

Q.28 A dealer purchased a washing machine for ₹7660. If he allows a discount of 10% on the marked price, then the marked price of the machine is:

- Ans
- ☐ A. ₹8575
 - ☐ B. ₹8975
 - ☐ C. ₹9975
 - ☒ D. ₹9575

Q.29 A cistern has a hole at the bottom through which water leaks. A tap can fill the cistern in 7 hours and the hole at the bottom can empty the fully filled cistern in 8 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

- Ans
- ☐ A. 66.5 hours
 - ☐ B. 36.6 hours
 - ☐ C. 75 hours
 - ☒ D. 56 hours

Q.30 From the top of a 50 m high tower, the angle of depression to a car on the ground is 60° . Find the height of the balloon directly above the car is 60° . Find the height of the balloon.

- Ans
- ☐ A. 150 metres
 - ☐ B. 250 metres
 - ☐ C. 100 metres
 - ☒ D. 200 metres

Q.31 Which of the following numbers is divisible by both 2 and 5?

- Ans
- ☐ A. 133
 - ☒ B. 130
 - ☐ C. 135
 - ☐ D. 134

Q.32 Walking at $\frac{3}{4}$ of his normal speed from his home, Tarun takes 19 minutes to reach his office. The usual time taken by him to cover the distance between his home and office is:

- Ans
- ☐ A. 53 minutes
 - ☐ B. 66 minutes
 - ☒ C. 57 minutes
 - ☐ D. 59 minutes

Q.33 The difference of the present ages of two friends Gopal and Manoj is 2 years. If the ratio of their ages after 18 years from now will be 21 : 22, then find the sum of their respective ages 10 years ago from now (in years).

- Ans
- ☐ A. 32
 - ☐ B. 46
 - ☐ C. 39
 - ☒ D. 30

Q.34 In a parallelogram, the length of its two adjacent parallel sides are 11.9 cm and a cm where a is the smaller side. If the perpendicular distance between the two longer and shorter sides are 3.9 cm and 5.1 cm, find the perimeter of the parallelogram.

- Ans** ☒ A. 42 cm
☐ B. 48.2 cm
☐ C. 45.6 cm
☐ D. 38 cm

Q.35 A man buys 9 identical articles for a total of ₹16. If he sells each of them for ₹2.8, then his profit percentage will be ____%.

- Ans** ☒ A. 57.5
☐ B. 36.51
☐ C. 37.51
☐ D. 58.5

Q.36 If $x + \frac{1}{x} = 17$, then the value of $(x^2 + \frac{1}{x^2})$ is:

- Ans** ☐ A. 291
☐ B. 283
☐ C. 289
☒ D. 287

Q.37 What is the mode of the following data?

41, 48, 54, 50, 54, 48, 42, 43, 48, 42, 53, 45, 44, 50, 49, 45, 43, 48, 42, 48

- Ans** ☐ A. 41
☐ B. 54
☐ C. 50
☒ D. 48

Q.38 The price of fuel decreases by 45%, 55% and 50% in three successive months, but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- Ans** ☐ A. Decreases by 78.11%
☐ B. Increases by 85.23%
☒ C. Decreases by 82.68%
☐ D. Increases by 81.11%

Q.39 A dealer marks his goods at 37% above the cost price and allows a discount of 16% on the marked price. What is his gain or loss percentage?

- Ans** ☐ A. 12.76% loss
☒ B. 15.08% gain
☐ C. 16.51% loss
☐ D. 14.66% loss

Q.40 If the curved surface area of a cylinder of height 6 cm is 264 cm^2 , then its volume is: (Use $\pi=22/7$)

- Ans** ☐ A. 824 cm^3
☐ B. 944 cm^3
☒ C. 924 cm^3
☐ D. 950 cm^3

Q.41 Simplify the given expression.

$$189 \div 9 + 117 \div 13 \times 5 - 12 \text{ of } 4 + 9 \times 7$$

- Ans ☒ A. 87
☒ B. 83
☒ C. 89
☒ D. 81

Q.42 One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 15 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans ☒ A. 6
☒ B. 11
☒ C. 10
☒ D. 5

Q.43 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 71^\circ$. E is a point on BC such that $\angle CAE = 55^\circ$. What is the measure of $\angle AEB$?

- Ans ☒ A. 66°
☒ B. 74°
☒ C. 73°
☒ D. 79°

Q.44 Three numbers are in the ratio $\frac{4}{8} : \frac{11}{16} : \frac{18}{21}$. The difference between



- Ans ☒ A. 96
☒ B. 97
☒ C. 98
☒ D. 95

Q.45 A person who spends 75% of his monthly income is able to save ₹4,827 per month. His monthly expenses (in ₹) are:

- Ans ☒ A. 14,435
☒ B. 14,395
☒ C. 14,394
☒ D. 14,481

Q.46 The monthly incomes of two friends Rakesh and Shivam, are in the ratio 5 : 9, respectively, and each of them saves ₹39,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Rakesh(in ₹).

- Ans ☒ A. 65,000
☒ B. 64,000
☒ C. 66,000
☒ D. 91,000

Q.47 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 3 February 2023 to 17 April 2023.

- Ans ☒ A. 28
☒ B. 29
☒ C. 27
☒ D. 26

Q.48 The mean and the mode of a set of data are 53.1 and 14.1, respectively. Find the median of the data, using the empirical formula.

- Ans**
- ☒ A. 41.8
 - ☒ B. 40.5
 - ☒ C. 40.1
 - ☒ D. 42.8

Q.49 The sum of two numbers is 32. If one number is 5 more than twice the other, then find the smaller number.

- Ans**
- ☒ A. 11
 - ☒ B. 13
 - ☒ C. 9
 - ☒ D. 7

Q.50 If the fourth proportional to P, 25 and 8 is 4, then find the value of P.

- Ans**
- ☒ A. 50
 - ☒ B. 48
 - ☒ C. 52
 - ☒ D. 49

Section : General Intelligence and Reasoning

Q.51 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:

All bags are cars.

All aeroplanes are cars.

Conclusions:

(I) Some bags are aeroplanes.

(II) Some cars are aeroplanes.

- 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.52 This question is based on the five, three-digit numbers given below.

(Left) 453 125 410 183 473 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 11
 - ☒ B. 5
 - ☒ C. 8
 - ☒ D. 7

Q.53 This question is based on the five, three-digit numbers given below.

(Left) 783 791 531 563 594 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if second digit of the highest number is added to the second digit of lowest number?

- Ans** ☒ A. 12
☐ B. 10
☐ C. 9
☐ D. 11

Q.54 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DRT UIK LZB CQS ?

- Ans** ☐ A. THY
☒ B. THJ
☐ C. TJH
☐ D. THU

Q.55 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:

All watches are shirts.
All watches are pants.
Some pants are belts.

Conclusions:

(I) Some belts are watches.
(II) Some pants are shirts.

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

ZSL 18, VOH 29, RKD 40, NGZ 51, JCV 62, ?

- Ans** ☐ A. FYL 73
☒ B. FYR 73
☐ C. FOR 73
☐ D. FYI 73

Q.57 What should come in place of the question mark (?) in the given series?

5 9 16 26 39 ?

- Ans** ☐ A. 51
☐ B. 60
☐ C. 58
☒ D. 55

Q.58 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$44 \div 6 + 195 \times 3 - 473 = ?$$

- Ans ☐ A. 691
☐ B. 776
☐ C. 741
☒ D. 672

Q.59 In a certain code language, 'let you know' is coded as 'nj rc bh' and 'know the people' is coded as 'nh kp rc'. How is 'know' coded in that language? (All codes are two-letter codes.)

- Ans ☐ A. bh
☐ B. kp
☐ C. nj
☒ D. rc

Q.60 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?

$$70 \text{ B } 4 \text{ D } (50 \text{ A } 5) \text{ B } 11 \text{ C } (24 \text{ A } 2) \text{ B } 4 \text{ C } 10 = ?$$

- Ans ☐ A. 172
☐ B. 200
☐ C. 253
☒ D. 228

Q.61 Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only four boxes are kept between E and W. Only D is kept above E. Only two boxes are kept between P and T. S is kept immediately above B. T is not kept immediately above S. Which box is kept fourth from the top?

- Ans ☐ A. B
☐ B. T
☒ C. S
☐ D. P

Q.62 What should come in place of the question mark (?) in the given series?

$$29 \ 35 \ 42 \ 50 \ 59 \ 69 \ ?$$

- Ans ☐ A. 75
☐ B. 95
☒ C. 80
☐ D. 72

Q.63 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only two people sit to the left of G. Only three people sit between G and C. Only one person sits between C and E. A sits to the immediate left of B. F is not an immediate neighbour of C. How many people sit to the right of F?

- Ans ☐ A. 2
☐ B. 4
☐ C. 1
☒ D. 3

Q.64 Tommy walks north for 30 metres, turns right, and walks 10 metres. Then he turns left and walks 25 metres to reach his school. In which direction is Tommy's school from his starting point? (All turns are 90-degree turns only, unless specified.)

- Ans** ☒ A. North-east
☐ B. South-east
☐ C. South
☐ D. North

Q.65 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. RTP
☐ B. ORL
☐ C. EHB
☐ D. KNH

Q.66 All 40 students in a class are standing in a row facing north. Rohan is 18th from the right end while Kajal is 22nd from the left end. How many people stand between Rohan and Kajal?

- Ans** ☒ A. 0
☐ B. 1
☐ C. 3
☐ D. 2

Q.67 Ritwik starts from Point A and drives 46 km towards east. He then takes a right turn, drives 54 km, turns right and drives 56 km. He then takes a right turn and drives 63 km. He takes a final right turn, drives 10 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 degrees turns only unless specified)

- Ans** ☐ A. 8 km to the south
☐ B. 10 km to the north
☒ C. 9 km to the south
☐ D. 7 km to the south

Q.68 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C. How many people sit between C and F?

- Ans** ☒ A. Two
☐ B. None
☐ C. One
☐ D. Three

Q.69 Six people L, M, N, P, Q and R are sitting around a circular table facing towards the centre of the table.

There are exactly two people between P and N.

M sits second to the right of N.

R sits second to the right of M.

L sits to the immediate left of N.

Who is an immediate neighbour of both N and M?

- Ans** ☐ A. L
☐ B. P
☐ C. R
☒ D. Q

Q.70 What should come in place of the question mark (?) in the given series?

103 119 135 151 167 ?

- Ans**
- ☐ A. 185
 - ☐ B. 180
 - ☐ C. 179
 - ☒ D. 183

Q.71 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 4 3 7 1 3 5 9 4 6 2 1 7 4 2 9 7 6 7 9 5 1 3 8 4 2 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an even digit?

- Ans**
- ☐ A. Three
 - ☒ B. Two
 - ☐ C. One
 - ☐ D. Four

Q.72 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 7 4 8 3 9 6 5 2 3 9 1 4 2 (Right)

If all the even numbers are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☐ A. 9
 - ☒ B. 7
 - ☐ C. 3
 - ☐ D. 1

Q.73 FTBJ is related to OCKS in a certain way based on the English alphabetical order. In the same way, PDLT is related to YMUC. To which of the given options is QEMU related, following the same logic?

- Ans**
- ☐ A. ZNJU
 - ☐ B. ZVDE
 - ☐ C. ZNMK
 - ☒ D. ZNVD

Q.74 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the sister of B',
'A × B' means 'A is the son of B' and
'A ÷ B' means 'A is the brother of B'.

How is D related to K if 'D + E - F ÷ G × K'?

- Ans**
- ☐ A. Mother
 - ☒ B. Wife
 - ☐ C. Sister
 - ☐ D. Daughter

Q.75 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?

$$(80 \text{ A } 8) \text{ B } 5 \text{ C } 14 \text{ B } 2 \text{ D } 11 \text{ B } 3 \text{ C } 72 \text{ A } 4 = ?$$

- Ans**
- ☒ A. 74
 - ☒ B. 63
 - ☐ C. 41
 - ☐ D. 59

Q.76 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(424, 212, 212)
(508, 302, 206)

- Ans**
- ☒ A. (560, 263, 297)
 - ☐ B. (521, 238, 273)
 - ☐ C. (525, 175, 360)
 - ☐ D. (460, 280, 160)

Q.77 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HQL : ISO
DGS : EIV

- Ans**
- ☒ A. BIR:CKU
 - ☐ B. BTS:DFG
 - ☐ C. MDR:OPS
 - ☐ D. KFS:SAU

Q.78 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

ME-KC-IL
PH-NF-LO

- Ans**
- ☐ A. ZO-UM-SX
 - ☐ B. WO-UM-SX
 - ☒ C. WO-UM-SV
 - ☐ D. ZO-VM-SX

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. MNL
 - ☐ B. RSQ
 - ☐ C. IJH
 - ☒ D. XZW

Q.80 In a certain code language, 'stop disturbing people' is coded as 'ls ck rp' and 'people need peace' is coded as 'cd ok rp'. How is 'people' coded in that language?

- Ans**
- ☐ A. ck
 - ☐ B. ok
 - ☐ C. cd
 - ☒ D. rp

Section : General Awareness and Current Affairs

Q.81 Which Constitutional Amendment Bill, introduced in the Lok Sabha in 2025, seeks to provide for the removal of the Prime Minister, Chief Minister, or any Minister who remains in custody for 30 consecutive days for a serious criminal offence?

- Ans**
- ☐ A. The Constitution (One Hundred and Twenty-Ninth Amendment) Bill, 2025
 - ☐ B. The Constitution (One Hundred and Thirty-First Amendment) Bill, 2025
 - ☒ C. The Constitution (One Hundred and Thirtieth Amendment) Bill, 2025
 - ☐ D. The Constitution (One Hundred and Twenty-Eighth Amendment) Bill, 2025

Q.82 Which of the following days marks the anniversary of the entry into force of the United Nations Charter (the day the UN was formally established)?

- Ans**
- ☒ A. 24 October
 - ☐ B. 7 April
 - ☐ C. 5 June
 - ☐ D. 10 December

Q.83 The Environment Audit Rules, 2025, are aligned with which national reform agenda in India?

- Ans**
- ☐ A. Skill India
 - ☐ B. Digital India
 - ☒ C. Ease of Doing Business
 - ☐ D. Make in India

Q.84 Which project by Ministry of IT won the Gold Award for using new technologies to help citizens at the 22nd National Awards for e-Governance 2025?

- Ans**
- ☐ A. Kharoli Village Panchayat
 - ☒ B. Bhashini Project
 - ☐ C. KAVACH System
 - ☐ D. Mine Treatment System

Q.85 Who won the Best Director award at the 71st National Film Awards, held in 2025 (honoring 2023 films)?

- Ans**
- ☐ A. Karan Johar — Rocky Aur Rani Kii Prem Kahaani
 - ☐ B. Atlee — Jawan
 - ☒ C. Sudipto Sen — The Kerala Story
 - ☐ D. Meghna Gulzar — Sam Bahadur

Q.86 Which male athlete set new world indoor records in both the 1500 m (3:29.63 en route) and the mile (3:45.14) on 13 Feb 2025?

- Ans**
- ☐ A. Cole Hocker
 - ☐ B. Grant Fisher
 - ☒ C. Jakob Ingebrigtsen
 - ☐ D. Yared Nuguse

Q.87 Who is the author of the memoir *Mother Mary Comes to Me*, launched in September 2025?

- Ans**
- ☐ A. Vikram Seth
 - ☒ B. Arundhati Roy
 - ☐ C. Salman Rushdie
 - ☐ D. Kiran Desai

Q.88 Who among the following was appointed as the new Securities and Exchange Board of India (SEBI) Chairman in February 2025, becoming the first serving Finance Secretary to assume the role?

- Ans**
- ☐ A. Sanjay Malhotra
 - ☒ B. Tuhin Kanta Pandey
 - ☐ C. Sunil Sanghai
 - ☐ D. Ajay Tyagi

Q.89 Which of the following cities hosted the 'Save The Earth Conclave: Bamboo for a Resilient Future'?

- Ans**
- ☐ A. Surat
 - ☐ B. Mumbai
 - ☐ C. Lucknow
 - ☒ D. New Delhi

Q.90 Which of the following is the correct Act, set to be replaced by the Indian Ports Bill, 2025, passed by the Upper House of Parliament on 18 August 2025?

- Ans**
- ☐ A. Indian Ports Act of 1909
 - ☒ B. Indian Ports Act of 1908
 - ☐ C. Indian Ports Act of 1911
 - ☐ D. Indian Ports Act of 1910

Q.91 Where was the India Open Badminton Super 750 tournament held in January 2025?

- Ans**
- ☐ A. Bengaluru
 - ☒ B. New Delhi
 - ☐ C. Pune
 - ☐ D. Hyderabad

Q.92 Which athlete broke the Australian national 200 m record with a time of 20.02 seconds at the Golden Spike meet in Ostrava in 2025?

- Ans**
- ☐ A. Reynier Mena
 - ☒ B. Gout Gout
 - ☐ C. Aidan Murphy
 - ☐ D. Armand Duplantis

Q.93 In May 2025, Bihar Chief Minister Nitish Kumar inaugurated new sports facilities at a university in Rajgir, located in which district?

- Ans**
- ☐ A. Gaya district
 - ☐ B. Vaishali district
 - ☒ C. Nalanda district
 - ☐ D. Patna district

Q.94 As stated by French President Emmanuel Macron on 9 June 2025, how many countries had ratified the High Seas Treaty by that date?

- Ans
- ☐ A. 55
 - ☒ B. 49
 - ☐ C. 60
 - ☐ D. 65

Q.95 In which of the following districts of Madhya Pradesh is Kuno National Park located?

- Ans
- ☐ A. Guna
 - ☒ B. Sheopur
 - ☐ C. Shivpuri
 - ☐ D. Balaghat

Q.96 Who among the following headed the three-member committee formed in August 2025 to assess the Dharali disaster damage in Uttarakhand?

- Ans
- ☐ A. CEO of Indian Civil Aviation Authority
 - ☐ B. Home Minister of India, Amit Shah
 - ☐ C. Uttarakhand Chief Minister, Pushkar Singh Dhami
 - ☒ D. Uttarakhand Revenue Secretary, Surendra Pandey

Q.97 Which of the following missions led to the establishment of a National Biobank at the CSIR-Institute of Genomics and Integrative Biology (IGIB), New Delhi, in July 2025?

- Ans
- ☒ A. Phenome India Project
 - ☐ B. India Biotech 2030 Mission
 - ☐ C. Bharat GeneBank Initiative
 - ☐ D. Genome India Mission

Q.98 According to SBI's January 2025 report, what was India's rural poverty rate in FY24?

- Ans
- ☐ A. 5.7%
 - ☐ B. 4.09%
 - ☒ C. 4.86%
 - ☐ D. 7.2%

Q.99 In June 2025, which Indian state withdrew the three-language policy for schools and formed a committee headed by educationist Narendra Jadhav to suggest the way forward?

- Ans
- ☐ A. Tamil Nadu
 - ☐ B. Karnataka
 - ☐ C. Gujarat
 - ☒ D. Maharashtra

Q.100 On 9 May 2025, Finance Minister Nirmala Sitharaman directed banks to stay fully alert and ready in light of which specific situation?

- Ans
- ☐ A. Launch of a digital-only banking model
 - ☐ B. Increasing prevalence of phishing scams
 - ☐ C. Implementation of a new banking tax
 - ☒ D. Heightened geopolitical tensions near border regions



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Tupudana
Test Date	21/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Consider the following statements and select the correct option.

Statement A: Washing soda is obtained by heating baking soda strongly.

Statement B: It is used in glass, soap and paper industries.

- Ans ☒ A. Both statements A and B are correct.
☒ B. Statement A is incorrect but B is correct.
☒ C. Statement A is correct but B is incorrect.
☒ D. Both statements A and B are incorrect.

Q.2 What type of chemical bond is typically formed when a metal reacts with a non-metal?

- Ans ☒ A. Hydrogen bond
☒ B. Covalent bond
☒ C. Ionic bond
☒ D. Metallic bond

Q.3 The magnetic field is strongest:

- Ans ☒ A. outside a solenoid
☒ B. far from the conductor
☒ C. near the conductor
☒ D. equidistant from the conductor

Q.4 Quickly pulling a hand back on touching a hot object is an example of ____.

- Ans ☒ A. Conditioned action
☒ B. Thinking action
☒ C. Reflex action
☒ D. Hormonal action

Q.5 In a schematic electric circuit diagram, how is a voltmeter typically represented when connected to measure potential difference?

- Ans**
- ☒ A. A circle with a 'V' inside, connected in parallel
 - ☐ B. A circle with an 'A' inside, connected in series
 - ☐ C. A rectangle with an 'R' inside, connected in series
 - ☐ D. A square with a 'V' inside, connected in parallel

Q.6 The symbol of an element represents which of the following?

- Ans**
- ☒ A. One atom of the element only
 - ☐ B. Atomic number and mass number
 - ☐ C. One mole of the element
 - ☐ D. The full name of the element

Q.7 Which of the following is detected by gustatory receptors in our body?

- Ans**
- ☐ A. Light
 - ☐ B. Sound
 - ☐ C. Smell
 - ☒ D. Taste

Q.8 Testes are located outside the abdominal cavity, called _____.

- Ans**
- ☐ A. Penis
 - ☐ B. Ureter
 - ☐ C. Bladder
 - ☒ D. Scrotum

Q.9 The gravitational force between the Earth and a body of mass 'm' kg is 'F' N. What will be the gravitational force between the body and the Earth if the mass of the body is increased to '4m' kg? (Keep all the other parameters the same)

- Ans**
- ☐ A. $F/4$ N
 - ☐ B. $F/2$ N
 - ☐ C. F N
 - ☒ D. $4F$ N

Q.10 Which of the following statements about sound propagation is true?

- Ans**
- ☐ A. Sound travels at the same speed in all mediums.
 - ☐ B. Sound is the fastest in gases, slower in liquids and the slowest in solids.
 - ☒ C. Sound is the fastest in solids, slower in liquids and the slowest in gases.
 - ☐ D. Sound can travel in a vacuum.

Q.11 Which of the following is NOT a function of the stigma in the Hibiscus flower?

- Ans**
- ☐ A. Facilitating pollen tube growth
 - ☐ B. Receiving pollen grains
 - ☐ C. Providing a sticky surface
 - ☒ D. Producing male germ cells

Q.12 Which two physical properties allow metals to be drawn into thin wires and beaten into thin sheets, respectively?

- Ans**
- ☐ A. Lustre and hardness
 - ☒ B. Ductility and malleability
 - ☐ C. Sonorous and conductivity
 - ☐ D. High melting point and solid state

Q.13 A force (F) of 60 N acts on a mass (m) of 6 kg. What will be the acceleration (a) produced by this force?

- Ans**
- ☐ A. 360.0 m/s²
 - ☐ B. 0.10 m/s²
 - ☐ C. 6.0 m/s²
 - ☒ D. 10.0 m/s²

Q.14 Carbohydrates produced in photosynthesis but not immediately used are stored as _____ in plants.

- Ans**
- ☒ A. starch
 - ☐ B. protein
 - ☐ C. cellulose
 - ☐ D. glucose

Q.15 Which of the following enzymes is present in saliva?

- Ans**
- ☐ A. No enzyme
 - ☒ B. Salivary Amylase
 - ☐ C. Salivary Protease
 - ☐ D. Salivary Lipase

Q.16 Which of the following contraceptive devices is placed in the uterus to prevent pregnancy?

- Ans**
- ☐ A. Hormonal patch
 - ☐ B. Condom
 - ☒ C. Copper-T
 - ☐ D. Oral pills

Q.17 Rear-view mirrors of vehicles are usually _____.

- Ans**
- ☐ A. plane mirrors
 - ☐ B. concave mirrors
 - ☒ C. convex mirrors
 - ☐ D. parabolic mirrors

Q.18 According to Newton's Third Law of Motion, which of the following statements is true?

- Ans**
- ☐ A. Action and reaction cancel each other out because they act on one body.
 - ☐ B. Action and reaction act on the same body and are equal in magnitude.
 - ☒ C. Action and reaction are equal and opposite but act on two different bodies.
 - ☐ D. Action and reaction are unequal and act on the same body.

Q.19 What is the primary function of the kidneys in human beings?

- Ans**
- ☐ A. To regulate digestion and nutrient absorption
 - ☒ B. To filter nitrogenous waste materials from the blood
 - ☐ C. To transport glucose and hormones throughout the body
 - ☐ D. To absorb oxygen and release carbon dioxide

Q.20 Which of the following gives the correct relation between the work done (W) in terms of force (F) acting on the body and the displacement (S) of the body in the same direction as the force?

- Ans**
- ☐ A. $W = F - S$
 - ☐ B. $W = F + S$
 - ☐ C. $W = F/S$
 - ☒ D. $W = F \times S$

Q.21 What gas is typically released when ethanoic acid reacts with sodium carbonate?

- Ans**
- ☒ A. Carbon dioxide gas
 - ☐ B. Methane gas
 - ☐ C. Hydrogen gas
 - ☐ D. Oxygen gas

Q.22 The twinkling of stars is more pronounced when ____.

- Ans**
- ☐ A. the star is at the zenith
 - ☐ B. the sky is cloudy
 - ☒ C. the star is near the horizon
 - ☐ D. the moon is bright

Q.23 Which of the following is a colloidal solution?

- Ans**
- ☐ A. Sugar Solution
 - ☐ B. Salt Water
 - ☐ C. Sand in Water
 - ☒ D. Milk

Q.24 Which of the following is the correct sequence in extraction of metals from ore?

- Ans**
- ☒ A. Concentration → Reduction → Refining
 - ☐ B. Refining → Concentration → Reduction
 - ☐ C. Reduction → Refining → Concentration
 - ☐ D. Concentration → Electrolysis → Roasting

Q.25 Name the scientist who defined elements as substances that CANNOT be broken down into simpler form by chemical reactions.

- Ans**
- ☐ A. Charles Darwin
 - ☐ B. Robert Boyle
 - ☐ C. Robert Hooke
 - ☒ D. Antoine Laurent Lavoisier

Section : Mathematics

Q.26 A total profit of ₹25,000 is to be distributed amongst P, Q and R such that $P : Q = 2 : 1$ and $Q : R = 11 : 7$. The share (in ₹) of R in the profit is:

- Ans**
- ☐ A. 4,325
 - ☐ B. 4,225
 - ☐ C. 4,275
 - ☒ D. 4,375

Q.27 Amit and Rahul have a total of ₹50. If Amit has ₹16 more than Rahul, then find the amount with Rahul.

- Ans**
- ☐ A. ₹20
 - ☒ B. ₹17
 - ☐ C. ₹16
 - ☐ D. ₹19

Q.28 Three cubes of edges 3 cm, 4 cm, and 5 cm are melted and formed into a single cube. What is the percentage change in the total surface area after melting and recasting?

- Ans** ☒ A. 28% decrease
☐ B. 22% decrease
☐ C. 28% increase
☐ D. 22% increase

Q.29 If the mode of a data exceeds its mean by 77.7, then the mode exceeds the median by _____. (Use empirical formula to find the answer)

- Ans** ☐ A. 52.2
☐ B. 58.8
☒ C. 51.8
☐ D. 47.8

Q.30 In a quadrilateral ABCD, $\angle A = 88^\circ$ and $\angle B = 81^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

- Ans** ☐ A. 99°
☐ B. 81.5°
☒ C. 84.5°
☐ D. 96°

Q.31 P and Q together can fill a cistern with water in 10 hours. If P alone can fill the cistern with water in 20 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans** ☐ A. 11
☐ B. 10
☒ C. 5
☐ D. 6

Q.32 The arithmetic mean of the observations 64, 11, 66, 98, 25, 17, 50, 75 and 62 is:

- Ans** ☐ A. 56
☐ B. 45
☒ C. 52
☐ D. 44

Q.33 A man receives ₹7,420 per month as salary. He saves 35% of his salary every month. His expenditure per month is:

- Ans** ☐ A. ₹4,920
☒ B. ₹4,823
☐ C. ₹4,857
☐ D. ₹4,724

Q.34 If $4A^2 + B^2 = 24$ and $AB = 4$, find the value of $2A + B$.

- Ans** ☐ A. $\pm 2\sqrt{5}$
☒ B. $\pm 2\sqrt{10}$
☐ C. $\pm 3\sqrt{10}$
☐ D. $\pm 3\sqrt{5}$

Q.35 The present ages of A and B are in the ratio of 7 : 6. Eight years hence, the ratio of their ages will be 8 : 7. Find the present age of B.

- Ans
- ☐ A. 40 years
 - ☐ B. 24 years
 - ☐ C. 36 years
 - ☒ D. 48 years

Q.36 What is the smallest natural number that should be added to 5023, such that a remainder of 5 is left when the resulting number is divided by each of the numbers 20, 98, 35 and 21?

- Ans
- ☐ A. 855
 - ☐ B. 850
 - ☐ C. 846
 - ☒ D. 862

Q.37 If $\tan\theta + \cot\theta = 4$, then $\sec^2\theta \times \operatorname{cosec}^2\theta$ is equal to:

- Ans
- ☐ A. 12
 - ☐ B. 8
 - ☒ C. 16
 - ☐ D. 24

Q.38 The sides of a triangle are 105 cm, 137 cm, and 88 cm. What is its area (in cm^2)?

- Ans
- ☒ A. 4620
 - ☐ B. 4634
 - ☐ C. 4573
 - ☐ D. 4598

Q.39 Find the single equivalent discount (rounded off to two decimal places) for successive discounts of 16%, 29% and 4%.

- Ans
- ☒ A. 42.75%
 - ☐ B. 44.77%
 - ☐ C. 41.75%
 - ☐ D. 41.18%

Q.40 If the third proportional of 64 and Z is 4, then what is the value of Z?

- Ans
- ☐ A. 17
 - ☒ B. 16
 - ☐ C. 14
 - ☐ D. 18

Q.41 If the cost price of 60 guavas is equal to the selling price of 45 guavas, what is the profit percentage (rounded off to 2 decimal places)?

- Ans
- ☒ A. 33.33%
 - ☐ B. 34.33%
 - ☐ C. 32.33%
 - ☐ D. 31.33%

Q.42 If the marked price of a towel is 85% more than its cost price and a discount of 20% is announced on it, then find the profit percentage.

- Ans
- ☒ A. 48%
 - ☐ B. 47%
 - ☐ C. 45%
 - ☐ D. 49%

Q.43 The expenditure of Sudha is 125% more than her savings. If her expenditure decreases by 14% and savings increase by 38%, then by what percentage does her income increase?

- Ans ☐ A. 5%
☒ B. 2%
☐ C. 6%
☐ D. 3%

Q.44 Pipe A can fill a tank in 12 minutes, while pipe B can empty the completely filled tank in 24 minutes. Initially, pipe A is opened and after 4 minutes, pipe B is also opened. In how much time (in minutes) will the remaining tank be filled completely?

- Ans ☐ A. 35
☐ B. 18
☒ C. 16
☐ D. 28

Q.45 If 30% of 50% of $\frac{4}{7}$ of a number is 303, find the number.

- Ans ☐ A. 6400
☐ B. 4650
☒ C. 3535
☐ D. 5860

Q.46 The amount on a sum of ₹1,000 at the rate of 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☒ A. ₹1,210
☐ B. ₹1,220
☐ C. ₹1,640
☐ D. ₹1,240

Q.47 How many numbers up to 200 are divisible by 4 and 3 both?

- Ans ☐ A. 14
☐ B. 12
☐ C. 10
☒ D. 16

Q.48 Simplify: $(\sqrt{98} + \sqrt{200} - 2\sqrt{8})^2$

- Ans ☐ A. 169
☐ B. $169\sqrt{2}$
☒ C. 338
☐ D. $13\sqrt{2}$

Q.49 Walking at $\frac{3}{4}$ of his normal speed from his home, Manish is 20 minutes to cover the distance between his home and his office is:

- Ans ☐ A. 54 minutes
☒ B. 60 minutes
☐ C. 58 minutes
☐ D. 70 minutes

Q.50 Two trains, 297 m and 243 m, in length are running in opposite directions. The first runs at the rate of 42 km/hr and the second at the rate of 66 km/hr. How long will they take to cross each other?

- Ans**
- ☐ A. 9 seconds
 - ☒ B. 18 seconds
 - ☐ C. 13 seconds
 - ☐ D. 8 seconds

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

382 392 400 406 410 ?

- Ans**
- ☐ A. 413
 - ☐ B. 416
 - ☐ C. 411
 - ☒ D. 412

Q.52 Six teachers — Judith, Anil, Myriam, Bina, Teresa and Jason — are sitting around a circular table, facing the centre. Judith is sitting second to the right of Anil. Anil is an immediate neighbour of both Myriam and Bina. Teresa is sitting second to the left of Myriam. Jason is sitting second to the left of Anil.

Who is sitting between Jason and Judith, when counted from the left of Jason?

- Ans**
- ☐ A. Anil
 - ☐ B. Bina
 - ☐ C. Myriam
 - ☒ D. Teresa

Q.53 Varun starts from Point M and drives 8 km towards the south. He then takes a left turn, drives 10 km, turns left and drives 3 km. He then takes a right turn and drives 5 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 15 km and stops at Point Y. How far (shortest distance) and in which direction is Point Y with respect to Point M?

(All turns are 90 degrees turns only unless specified).

- Ans**
- ☐ A. 8 km towards south
 - ☒ B. 12 km towards south
 - ☐ C. 8 km towards east
 - ☐ D. 12 km towards east

Q.54 Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?

789 779 769 ? 749 ? 729

- Ans**
- ☐ A. 759 and 729, respectively
 - ☒ B. 759 and 739, respectively
 - ☐ C. 769 and 739, respectively
 - ☐ D. 749 and 739, respectively

Q.55 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?

$$72 A 4 C 6 B 9 D 20 A 2 C 88 A 8 D 15 = ?$$

- Ans ☒ A. 42
☒ B. 58
☒ C. 75
☒ D. 88

Q.56 In a certain code language, 'error mall bat' is coded as 'yr uh cl' and 'gap error unit' is coded as 'uh at nk'. How is 'error' coded in that language?

- Ans ☒ A. cl
☒ B. uh
☒ C. at
☒ D. yr

Q.57 Six people, A, B, C, D, E and F, are sitting in a row, facing north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

- Ans ☒ A. Two
☒ B. None
☒ C. Three
☒ D. One

Q.58 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 4 2 7 4 8 9 6 9 1 1 2 4 5 7 5 2 3 1 3 9 5 4 4 7 9 3 (Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans ☒ A. 3
☒ B. 4
☒ C. 5
☒ D. 2

Q.59 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 statements.

Statements:

All atoms are protons.

Some protons are neutrons.

Conclusions:

(I) All atoms are neutrons.

(II) No neutron is a proton.

- Ans ☒ A. Only conclusion II follows.
☒ B. Neither conclusion I nor II follows.
☒ C. Only conclusion I follows.
☒ D. Both conclusions I and II follow.

Q.60 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 letter-cluster pair 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. MN–QU
☐ B. RS–WX
☐ C. NO–ST
☐ D. YZ–DE

Q.61 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JS-LU-OQ
LU-NW-QS

- Ans** ☐ A. MW-PY-SV
☐ B. NW-PY-SV
☒ C. NW-PY-SU
☐ D. MW-PZ-SV

Q.62 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 9 3 8 7 9 4 8 6 2 5 9 3 6 5 1 2 6 1 5 8 3 9 9 6 8 8 3 9 (Right)

How many such perfect squares are there, each of which is immediately preceded by an odd number and also immediately followed by an even number? (NOTE: 1 is also a perfect square.)

- Ans** ☐ A. Three
☒ B. More than three
☐ C. Two
☐ D. One

Q.63 MIDQ is related to CYTG in a certain way based on the English alphabetical order. In the same way, YUPC is related to OKFS. To which of the given options is UQLY related, following the same logic?

- Ans** ☐ A. KOB I
☐ B. KGHY
☒ C. KGBO
☐ D. KOLP

Q.64 What should come in place of the question mark (?) in the given series?

3, 5, 9, 17, 33, ?

- Ans** ☐ A. 59
☐ B. 57
☒ C. 65
☐ D. 62

Q.65 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

17, 33
13, 25

- Ans** ☒ A. 31, 61
 ☐ B. 74, 146
 ☐ C. 23, 35
 ☐ D. 54, 108

Q.66 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HIE 50 GHD 62 FGC 74 EFB 86 ?

- Ans** ☐ A. DDZ 97
 ☒ B. DEA 98
 ☐ C. DFZ 98
 ☐ D. DMW 97

Q.67 This question is based on the five, three-digit numbers given below.

(Left) 358 657 524 493 249 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if second digit of the highest number is added to the third digit of lowest number?

- Ans** ☒ A. 14
 ☐ B. 12
 ☐ C. 11
 ☐ D. 13

Q.68 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 letter-cluster pair 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. IO - KQ
 ☐ B. NT - PV
 ☒ C. CI - EL
 ☐ D. JP - LR

Q.69 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:

All hammers are anvils.

All anvils are metals.

All metals are plastics.

Conclusions:

(I) All hammers are plastics.

(II) Some plastics are anvils.

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

Q.70 Each of the digits in the number 8325716 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. Three
 - ☐ C. None
 - ☒ D. One

Q.71 In a certain code language, 'what you have' is coded as 'nq jl mk' and 'have you been' is coded as 'rs nq jl'. How is 'been' coded in that language?

- Ans**
- ☐ A. mk
 - ☐ B. nq
 - ☐ C. jl
 - ☒ D. rs

Q.72 NMGT is related to THKQ in a certain way. In the same way, LSQR is related to RNUO. To which of the given options is GIUH related, following the same logic?

- Ans**
- ☐ A. NDXD
 - ☒ B. MDYE
 - ☐ C. NEYD
 - ☐ D. MEXE

Q.73 Kartik ranked 19th from the top and 54th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 71
 - ☒ B. 72
 - ☐ C. 73
 - ☐ D. 70

Q.74 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 4 3 1 9 6 7 2 3 8 1 8 8 4 1 1 9 3 5 2 3 8 1 8 6 1 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 odd number?

Ans ☒ A. 7

☒ B. 6

☒ C. 5

☒ D. 8

Q.75 Sunil starts from point A and drives 64 km towards the west. He then takes a left turn, drives 63 km, turns left and drives 67 km. He then takes a left turn and drives 78 km. He takes a final left turn, drives 3 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. 15 km to the south

☒ B. 17 km to the north

☒ C. 16 km to the north

☒ D. 14 km to the south

Q.76 In a certain code language,

'A ± B' means 'A is the wife of B',

'A * B' means 'A is the daughter of B',

'A ₹ B' means 'A is the father of B' and

'A # B' means 'A is the brother of B'.

How is D related to O if 'D * R ₹ A # C ± O'?

Ans ☒ A. Mother's sister

☒ B. Sister

☒ C. Wife's sister

☒ D. Wife

Q.77 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ASE QIU GYK WOA ?

Ans ☒ A. MEO

☒ B. MEQ

☒ C. MRW

☒ D. MOI

Q.78 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?

10 C 6 B 2 D 45 A 5 = ?

Ans ☒ A. 18

☒ B. 13

☒ C. 17

☒ D. 15

Q.79 Six people, L, M, N, O, P and Q, are sitting in a row, facing towards north. N is sitting at the leftmost end of the row. Only 3 people are sitting between N and Q. L is sitting second right to P. M is sitting second right to L. Based on the given arrangement, three of the following four are alike and hence form a group. Which is the one that does NOT belong to that group?

- Ans** ☒ A. OP
☐ B. NO
☐ C. PL
☐ D. LM

Q.80 Mr. Hepa ranked 22nd from the bottom and 57th from the top in his class. How many students are there in his class?

- Ans** ☐ A. 77
☐ B. 75
☐ C. 76
☒ D. 78

Section : General Awareness and Current Affairs

Q.81 Which countries are collaborating for the Chandrayaan-5 mission, as announced by ISRO in March 2025?

- Ans** ☒ A. India and Japan
☐ B. India and China
☐ C. India and Russia
☐ D. India and the United States

Q.82 What was the esteemed category of civilian honours conferred upon legendary Indian hockey player PR Sreejesh by President Droupadi Murmu at Rashtrapati Bhavan in April 2025?

- Ans** ☐ A. National Sports Awards
☐ B. Bharat Ratna
☒ C. Padma Awards
☐ D. Gallantry Awards

Q.83 Who among the following chaired the Parliamentary Consultative Committee meeting on 'Disaster Management and Capacity Building' in August 2025?

- Ans** ☐ A. Nirmala Sitharaman
☐ B. Rajnath Singh
☒ C. Amit Shah
☐ D. Narendra Modi

Q.84 Which among the following organisations launched the 'Scheme for Promoting Registration of Employers and Employees' (SPREE 2025)?

- Ans** ☐ A. Employees' Provident Fund Organisation
☐ B. National Institute for Transforming India
☐ C. Ministry of Finance
☒ D. Employees' State Insurance Corporation

Q.85 What was the theme of the first Global Conference on Manuscript Heritage held at Bharat Mandapam, New Delhi, in 2025?

- Ans** ☐ A. Preserving India's Ancient Wisdom through Heritage Studies
☐ B. Reviving Asian Manuscript Traditions through Shared Heritage
☒ C. Reclaiming India's Knowledge Legacy through Manuscript Heritage
☐ D. Digital Archives for Cultural Knowledge through Heritage Tools

Q.86 Why was Acko General Insurance fined ₹1 crore by the Insurance Regulatory and Development Authority of India (IRDAI) in May 2025?

- Ans**
- ✓ A. Payments to an unregistered intermediary
 - ✗ B. Failure to meet solvency ratios
 - ✗ C. Denial of health insurance claims
 - ✗ D. Mis-selling of ULIPs

Q.87 The AI Centre of Excellence for Education announced in Union Budget 2025 is intended to benefit which sector the most?

- Ans**
- ✗ A. Tourism
 - ✗ B. Manufacturing
 - ✗ C. Agriculture
 - ✓ D. Education

Q.88 Which international badminton player became world No. 1 in 2025, marking a first in his country's history?

- Ans**
- ✓ A. Kunlavut Vitidsarn
 - ✗ B. Lakshya Sen
 - ✗ C. Kodai Naraoka
 - ✗ D. Loh Kean Yew

Q.89 Which country's deaf cricket team won a historic 5-match series against Trinidad & Tobago in 2025?

- Ans**
- ✗ A. Pakistan
 - ✗ B. England
 - ✗ C. Australia
 - ✓ D. India

Q.90 Which of the following prestigious Indian cinema awards was conferred upon Mohanlal in September 2025 in recognition of his iconic contribution?

- Ans**
- ✗ A. Filmfare Lifetime Achievement Award, 2024
 - ✗ B. National Film Award for Best Actor, 2025
 - ✓ C. Dadasaheb Phalke Award, 2023
 - ✗ D. Padma Shri, 2025

Q.91 Which of the following platforms are integrated under the National Cooperation Policy, 2025, to promote digital commerce for cooperatives?

- Ans**
- ✗ A. e-NAM (National Agriculture Market) and e-Shram Portal
 - ✗ B. GSTN and DigiLocker
 - ✓ C. GeM (Government e-Marketplace) and ONDC (Open Network for Digital Commerce)
 - ✗ D. RuPay and UPI (Unified Payments Interface)

Q.92 Which author won the Sahitya Akademi Yuva Puraskar for his novel, 'Ram C/O Anandhi', in June 2025?

- Ans**
- ✓ A. Akhil P Dharmajan
 - ✗ B. Vikas Swarup
 - ✗ C. Parvati Tirkey
 - ✗ D. Kirtida Brahmhatt

Q.93 What is the name of the portal launched by the Government of India to support gender-responsive planning and budgeting?

- Ans**
- ☐ A. Gender Equality Resource Hub
 - ☒ B. Gender Budgeting Knowledge Hub
 - ☐ C. Gender Planning & Budget Portal
 - ☐ D. Women's Finance Portal

Q.94 In the 2025 Kho Kho World Cup, the Indian men's team secured the first-ever championship title by defeating which opponent in the final match?

- Ans**
- ☒ A. Nepal
 - ☐ B. Pakistan
 - ☐ C. Bangladesh
 - ☐ D. Sri Lanka

Q.95 Which defence exercise involved the French carrier Charles de Gaulle in 2025?

- Ans**
- ☐ A. Tiger Triumph
 - ☐ B. TROPEX
 - ☐ C. Dharma Guardian
 - ☒ D. Varuna

Q.96 According to the October 2025 Monetary Policy Report of the Reserve Bank of India, the revised GDP growth forecast for India for FY 2025-26 is ____.

- Ans**
- ☐ A. 6.5%
 - ☐ B. 5.8%
 - ☒ C. 6.8%
 - ☐ D. 5.5%

Q.97 India's SDG ranking in the 10th Sustainable Development Report was released by:

- Ans**
- ☐ A. World Bank Report
 - ☒ B. UN Sustainable Development Solutions Network
 - ☐ C. World Economic Forum Report
 - ☐ D. International Monetary Fund Report

Q.98 In the 56th meeting of Monetary Policy Committee (MPC) held in August 2025, after assessing the current and evolving macroeconomic situation, the MPC voted to maintain the policy repo rate at:

- Ans**
- ☒ A. 5.50%
 - ☐ B. 5.40%
 - ☐ C. 6.40%
 - ☐ D. 8.50%

Q.99 Which award did Pakistani cricketer Sana Mir receive in June 2025?

- Ans**
- ☒ A. ICC Hall of Fame
 - ☐ B. Asia Woman Cricketer of the Year
 - ☐ C. ICC Best Bowler Award
 - ☐ D. PCB Lifetime Achievement Award

Q.100 India's first Cheetah Safari began in October 2025 at which national park?

- Ans**
- ☐ A. Satpura National Park
 - ☐ B. Kanha National Park
 - ☒ C. Kuno National Park
 - ☐ D. Bandhavgarh National Park

"

Blackbook



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Banamaliprasad
Test Date	22/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Meenu starts from rest and pedals her bicycle to reach a speed of 5 m/s in 25 seconds. What is her acceleration?

- Ans** ☒ A. 0.2 m/s²
☒ B. 0.1 m/s²
☒ C. 0.4 m/s²
☒ D. 0.3 m/s²

Q.2 Based on the accepted values for the masses of the Earth and the Moon and the distance between them, what is the calculated gravitational force exerted by the Earth on the Moon?

- Ans** ☒ A. 9.8 N
☒ B. 6.67×10^{-11} N
☒ C. 2.02×10^{20} N
☒ D. 7.4×10^{22} N

Q.3 Which of the following metals reacts with dilute hydrochloric acid to produce hydrogen gas?

- Ans** ☒ A. Copper
☒ B. Gold
☒ C. Zinc
☒ D. Silver

Q.4 Which of the following shows movement but not locomotion?

- Ans** ☒ A. Bird
☒ B. Human
☒ C. Plant
☒ D. Dog

Q.5 When fertilisation takes place inside the female body, it is called ____.

- Ans** ☒ A. internal fertilisation
☒ B. in vitro fertilisation
☒ C. test-tube babies
☒ D. external fertilisation

Q.6 The defect of hypermetropia can be corrected by using which of the following?

- Ans**
- ☐ A. Prism
 - ☒ B. Convex lens
 - ☐ C. Concave lens
 - ☐ D. Cylindrical lens

Q.7 Which of the following is NOT an example of Newton's Third Law?

- Ans**
- ☐ A. A gun moving backward after firing a bullet
 - ☒ B. A stone dropping freely toward the ground
 - ☐ C. A horse pulling a loaded cart
 - ☐ D. A rocket rising upward as gases are expelled downward

Q.8 Which of the following plant tissues is made up of cells that are dead at maturity?

- Ans**
- ☒ A. Sclerenchyma
 - ☐ B. Aerenchyma
 - ☐ C. Parenchyma
 - ☐ D. Collenchyma

Q.9 What happens to metabolic activities in the absence of thyroxine?

- Ans**
- ☐ A. They only affect digestion
 - ☐ B. They speed up uncontrollably
 - ☒ C. They slow down or become imbalanced
 - ☐ D. They stop completely

Q.10 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): If a substance loses oxygen during a reaction, it is said to be reduced.
Reason (R): Reduction is defined as the gain of hydrogen or loss of oxygen.

- Ans**
- ☐ A. A is false, but R is true.
 - ☒ B. Both A and R are true, and R is the correct explanation of A.
 - ☐ C. A is true, but R is false.
 - ☐ D. Both A and R are true, and R is not the correct explanation of A.

Q.11 Which hormone triggers sexual maturation in boys?

- Ans**
- ☐ A. Progesterone
 - ☐ B. Oxytocin
 - ☒ C. Testosterone
 - ☐ D. Estrogen

Q.12 What happens during the oxidation of ethanol?

- Ans**
- ☒ A. It is converted into ethanoic acid.
 - ☐ B. It is converted into ethene.
 - ☐ C. It forms an ester.
 - ☐ D. It is converted into methane.

Q.13 One volt (1 V), the SI unit of potential difference, is defined when _____.

- Ans**
- ☐ A. 1 milliampere of current flows through 1 Ohm of resistance
 - ☒ B. 1 joule of work is done to move a charge of 1 coulomb
 - ☐ C. 1 joule of energy is dissipated in 1 second
 - ☐ D. 1 coulomb of charge flows in 1 second

Q.14 If the temperature of a gas is increased at constant volume, what happens to the pressure?

- Ans
- ☐ A. It decreases.
 - ☒ B. It increases.
 - ☐ C. It remains the same.
 - ☐ D. It cannot be determined.

Q.15 A wire of a given material has length L and cross-sectional area A , with resistance R . If the wire is stretched to twice its length while keeping the volume constant, what will be its new resistance?

- Ans
- ☐ A. $R/2$
 - ☐ B. $2R$
 - ☐ C. ZERO
 - ☒ D. $4R$

Q.16 If a constant force (F) of 20 N moves an object through a displacement (d) of 5 m in the same direction, then what will be the work (W) done?

- Ans
- ☐ A. 50 J
 - ☒ B. 100 J
 - ☐ C. 200 J
 - ☐ D. 25 J

Q.17 Which of the following statements correctly defines the atomic number of an element?

- Ans
- ☐ A. The number of electrons in the outermost shell of an atom
 - ☒ B. The number of protons in the nucleus of an atom
 - ☐ C. The number of neutrons in the nucleus of an atom
 - ☐ D. The total number of protons and neutrons in the nucleus

Q.18 Which of the following statements best defines the term 'formula unit mass'?

- Ans
- ☐ A. The mass of one mole of a compound
 - ☐ B. The sum of atomic masses of all atoms in a molecule
 - ☒ C. The sum of the atomic masses of the ions in an ionic compound as represented by its formula
 - ☐ D. The mass of an individual atom of an element

Q.19 Which statement is NOT true about smooth muscles?

- Ans
- ☐ A. They control involuntary movements
 - ☐ B. They are uninucleate
 - ☒ C. They have striations
 - ☐ D. They are spindle-shaped cells

Q.20 Which of the following statements about sound propagation is correct?

- Ans
- ☐ A. Sound can travel in vacuum.
 - ☒ B. Sound requires a medium for propagation.
 - ☐ C. Sound travels in the form of transverse waves in air.
 - ☐ D. Sound travels faster in gases than in solids.

Q.21 Which statement is INCORRECT about contraceptive pills?

- Ans
- ☐ A. They are a highly effective form of birth control when taken correctly.
 - ☐ B. They contain synthetic hormones (estrogen and progesterone) that prevent ovulation,
 - ☐ C. They can cause side effects like irregular bleeding or nausea in some users.
 - ☒ D. They protect against sexually transmitted infections.

Q.22 Which of the following nutrients is a macronutrient?

- Ans ☒ A. Potassium
☐ B. Copper
☐ C. Zinc
☐ D. Iron

Q.23 Which of the following describe(s) the versatile nature of carbon?

- a. The ability to form bonds with other carbon atoms giving rise to large molecules.
b. The ability to form double bonds with other carbon atoms.
c. The ability to form bonds with other atoms like oxygen, nitrogen, sulphur, hydrogen etc.

- Ans ☐ A. Only b and c
☐ B. Only a
☐ C. Only a and c
☒ D. All a, b and c

Q.24 Which of the following statements correctly explains why carbon forms covalent bonds in organic compounds?

- Ans ☐ A. Carbon easily donates all its valence electrons to non-metals
☒ B. Carbon has four electrons in its outer shell and shares electrons to complete its octet
☐ C. Carbon has a high tendency to form positive ions
☐ D. Carbon atoms have a full outer shell and do not react

Q.25 Which of the following is NOT correct?

- Ans ☐ A. Shorter wavelengths scatter more than longer wavelengths.
☒ B. The sky appears blue because air absorbs blue light.
☐ C. Scattering depends on the wavelength of light.
☐ D. The Tyndall effect can be used to detect colloids.

Section : Mathematics

Q.26 From a point 30 m away from the base of a tree, the angle of elevation of the top of the tree is 60° . Find the height of the tree (take $\sqrt{3} = 1.73$).

- Ans ☐ A. 54 m
☒ B. 51.9 m
☐ C. 51 m
☐ D. 52.5 m

Q.27 ₹4,445 is divided among A, B and C in such a way that if ₹65, ₹39 and ₹77 are deducted from their respective shares, they have money in the ratio 18:3:20. Find the difference between B's and C's original shares.

- Ans ☐ A. ₹1,918
☒ B. ₹1,806
☐ C. ₹1,868
☐ D. ₹1,718

Q.28 A cash payment that will settle a bill for 625 pairs of boots at ₹94 per pair of boots with successive discounts of 20% and 7% with a further discount of 20% on cash payment is:

- Ans ☐ A. ₹34,972
☒ B. ₹34,968
☐ C. ₹34,963
☐ D. ₹34,992

Q.29 A basket contains 42 fruits, which are either apples or oranges. If there are 6 more apples than oranges, how many oranges are there?

- Ans ☒ A. 22
☒ B. 18
☒ C. 24
☒ D. 20

Q.30 A, B and C can do a piece of work in 3, 12 and 12 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans ☒ A. 5
☒ B. 8
☒ C. 4
☒ D. 12

Q.31 What is the number of natural numbers less than or equal to 1000 and divisible by 5 or 7?

- Ans ☒ A. 314
☒ B. 370
☒ C. 328
☒ D. 342

Q.32 $\frac{1}{30}$ is what percentage of $\frac{1}{90}$?

- Ans ☒ A. 600%
☒ B. 310%
☒ C. 315%
☒ D. 300%

Q.33 The median of the following observations 46, 64, 87, 41, 58, 77, 35, 90, 55, 92, 33 is 58. If 92 is replaced by 99 and 41 by 43 in the given data, then the new median is:

- Ans ☒ A. 56.5
☒ B. 58
☒ C. 57.5
☒ D. 55

Q.34 A scheme like 'Buy 6, Get 2 Free' on the same kind of articles with the same MRP attracts a ____ % discount.

- Ans ☒ A. 25
☒ B. 33.33
☒ C. 26
☒ D. 34.33

Q.35 If each edge of a cube is increased by 10%, then the percentage increase in its surface area is:

- Ans ☒ A. 22%
☒ B. 25%
☒ C. 21%
☒ D. 20%

Q.36 The cost price of a toy car is 80% of its selling price. If the selling price is ₹100, what is the profit percentage?

- Ans**
- ☐ A. 20%
 - ☐ B. 80%
 - ☒ C. 25%
 - ☐ D. 100%

Q.37 The monthly incomes of two friends David and Ashish, are in the ratio 5 : 8, respectively, and each of them saves ₹81,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of David (in ₹).

- Ans**
- ☒ A. 2,02,500
 - ☐ B. 2,83,500
 - ☐ C. 2,01,500
 - ☐ D. 2,03,500

Q.38 The sum of the ages of a daughter and her mother is 56 years. After 8 years, the age of the mother will be three times that of the daughter. Find the daughter's present age (in years).

- Ans**
- ☐ A. 12
 - ☐ B. 18
 - ☒ C. 10
 - ☐ D. 16

Q.39 The lengths of each side of two squares are given as $(5 + \sqrt{3})$ cm and

- Ans**
- ☐ A. 25 cm²
 - ☐ B. 28 cm²
 - ☒ C. 56 cm²
 - ☐ D. 52 cm²

Q.40 Simplify: $(0.7 \times 72 \div 14 + 6.25 - 8.34 \times 0.15 + 5.95)$

- Ans**
- ☐ A. 12.526
 - ☒ B. 14.549
 - ☐ C. 21.549
 - ☐ D. 14.823

Q.41 What is the number of ordered pairs (x, y) where x, y are positive integers such that the eight digit number 74x8935y is divisible by 11?

- Ans**
- ☐ A. 9
 - ☐ B. 10
 - ☐ C. 6
 - ☒ D. 7

Q.42 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 22.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 4 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 6°
 - ☐ B. 1°
 - ☒ C. 5°
 - ☐ D. 2°

Q.43 The price of fuel decreases by 45%, 35% and 30% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- Ans**
- ☐ A. Increases by 59.57%
 - ☐ B. Decreases by 64.78%
 - ☐ C. Increases by 61.52%
 - ☒ D. Decreases by 63.71%

Q.44 The ratio of the number of girls and boys participating in the sports of a school is 2 : 5. If the number of girls is 200, determine the number of boys participating in the sports.

- Ans**
- ☐ A. 530
 - ☒ B. 500
 - ☐ C. 520
 - ☐ D. 475

Q.45 If an X-m long train running at a speed of 63 m/s crosses a railway platform in 28 sec, find the value of X, if the length of the railway platform is 213 m.

- Ans**
- ☐ A. 1549
 - ☐ B. 1545
 - ☐ C. 1558
 - ☒ D. 1551

Q.46 The average age of 31 students of a class is 30 years. If the age of the teacher is also included, the average age of the whole group becomes 31 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 63
 - ☒ B. 62
 - ☐ C. 65
 - ☐ D. 64

Q.47 The amount on a sum of ₹4,200 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹5,348
 - ☐ B. ₹6,497
 - ☒ C. ₹6,048
 - ☐ D. ₹6,219

Q.48 If A can complete a task in 10 days and B is 25% more efficient than A, how long (in days) will it take them to complete 60% of the task when they work together?

- Ans**
- ☐ A. $1\frac{2}{3}$
 - ☐ B. $2\frac{1}{3}$
 - ☐ C. $1\frac{1}{3}$
 - ☒ D. $2\frac{2}{3}$

Q.49 A car covers three different segments of a journey: it travels 40 km at a speed of 60 km/hr, then 50 km at a speed of 50 km/hr and finally 60 km at a speed of 40 km/hr. What is the car's average speed (rounded off to one decimal place) for the entire trip?

- Ans**
- ☐ A. 48.3 km/hr
 - ☐ B. 50.3 km/hr
 - ☒ C. 47.4 km/hr
 - ☐ D. 52.9 km/hr

Q.50 A sphere of radius 14 cm is cut along three diametrical planes to form 6 equal parts. What would be the total surface area (in cm^2) of all the new pieces so obtained?

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

- Ans**
- ☐ A. 4312
 - ☐ B. 5544
 - ☐ C. 7392
 - ☒ D. 6160

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'meal visit cat' is coded as 'vs mo wm' and 'rain meal mango' is coded as 'wm or lo'. How is 'meal' coded in the given language?

- Ans**
- ☐ A. vs
 - ☐ B. or
 - ☒ C. wm
 - ☐ D. mo

Q.52 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

INFO - NOFI - OFNI
WAKE - AEKW - EKAW

- Ans**
- ☐ A. GIRL - IGRL - LIRG
 - ☐ B. TIDE - TDIE - EDIT
 - ☐ C. HACK - AHCK - KACH
 - ☒ D. FEAR - ERAF - RAEF

Q.53 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$6 - 3 + 32 \times 4 \div 5 = ?$$

- Ans**
- ☐ A. 11
 - ☐ B. 6
 - ☒ C. 15
 - ☐ D. 21

- Q.54** 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:

All pencils are erasers.

Some erasers are crayons.

Conclusions:

(I) Some pencils are crayons.

(II) Some erasers are pencils.

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

- Q.55** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FNK HPM JRO LTQ ?

- Ans** ☒ A. NUS
☒ B. NUR
☒ C. NVR
☒ D. NVS

- Q.56** Which numbers should come in place of the question mark (?) in the same sequence to make the series logically complete?

3, 6, 12, 24, 48, ?

- Ans** ☒ A. 96
☒ B. 92
☒ C. 88
☒ D. 98

- Q.57** 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 moons are stars.

Some stars are planets.

Conclusions:

(I): All stars are moons.

(II): Some moons are planets.

- Ans** ☒ A. Both follow
☒ B. Only II follows
☒ C. Only I follows
☒ D. Neither follows

- Q.58** Rekha ranked 18th from the top and 9th from the bottom in her class. How many students are there in the class?

- Ans** ☒ A. 28
☒ B. 27
☒ C. 25
☒ D. 26

Q.59 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

WTQ 69 URO 76 SPM 83 QNK 90 ?

- Ans** ☒ A. OLI 97
☐ B. OPR 96
☐ C. OMH 97
☐ D. OKH 96

Q.60 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$11 \div 3 + 24 \times 4 - 1 = ? + 5$$

- Ans** ☒ A. 33
☐ B. 32
☐ C. 31
☐ D. 34

Q.61 In a row of people all facing north, Ruman is 20th from the right end. Daniel is 26th from the right end and Daniel is exactly between Ruman and Om. If Om is 14th from the left end of the row, how many people are there in the row?

- Ans** ☒ A. 45
☐ B. 43
☐ C. 44
☐ D. 42

Q.62 What should come in place of the question mark (?) in the given series?

188 170 152 134 116 ?

- Ans** ☐ A. 100
☒ B. 98
☐ C. 104
☐ D. 96

Q.63 Jyoti starts from point L and drives 8 km towards the north. She then takes a right turn, drives 14 km, turns right and drives 15 km. She then takes a right turn and drives 14 km. She takes a final right turn, drives 3 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point L again? (All turns are 90-degree turns only unless specified.)

- Ans** ☐ A. 1 km towards the south
☐ B. 2 km towards the east
☐ C. 5 km towards the west
☒ D. 4 km towards the north

Q.64 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. OSL
☐ B. QUN
☒ C. INE
☐ D. UYR

Q.65 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 1 8 4 3 5 2 7 4 4 4 5 9 1 7 4 7 3 7 7 7 8 3 5 6 7 8 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. 3
 - ☒ B. 6
 - ☒ C. 4
 - ☒ D. 5

Q.66 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. OU - TA
 - ☒ B. NT - SY
 - ☒ C. KQ - PV
 - ☒ D. EK - JP

Q.67 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only three people sit between R and T when counted from the left of R. Only three people sit between B and A when counted from the right of A. S sits to the immediate right of B. U is an immediate neighbour of A as well as T. Who sits to the second to the left of C?

- Ans**
- ☒ A. B
 - ☒ B. U
 - ☒ C. A
 - ☒ D. R

Q.68 This question is based on the five, three-digit numbers given below.

(Left) 741 753 789 761 745 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 8
 - ☒ B. 11
 - ☒ C. 6
 - ☒ D. 7

Q.69 Which of the following numbers will replace the question mark (?) in the given series?

1408, 704, 176, 88, ?, 11

- Ans**
- ☒ A. 44
 - ☒ B. 22
 - ☒ C. 64
 - ☒ D. 36

Q.70 Refer to the following number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 6 9 1 2 5 7 2 5 2 2 4 7 9 3 2 5 4 1 4 9 9 1 8 9 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. One

Q.71 Mr. Akai starts from Point A and drives 28 km towards west. He then takes a left turn, drives 21 km, turns right and drives 5 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 33 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. 7 km to the east
 - ☒ B. 9 km to the south
 - ☒ C. 9 km to the north
 - ☒ D. 7 km to the north

Q.72 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 19, 10)
(13, 29, 20)

- Ans**
- ☒ A. (15, 33, 24)
 - ☒ B. (7, 13, 4)
 - ☒ C. (9, 21, 30)
 - ☒ D. (17, 37, 46)

Q.73 In a certain code language, 'LEMA' is coded as '6389' and 'PALM' is coded as '3596'. What is the code for 'P' in that language?

- Ans**
- ☒ A. 5
 - ☒ B. 6
 - ☒ C. 3
 - ☒ D. 9

Q.74 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

DIGS - SDGI - DSIG
WAVE - EWVA - WEAV

- Ans**
- ☒ A. HOST - THOS - OSTH
 - ☒ B. RIDE - IRDE - EIDR
 - ☒ C. SPIN - NSIP - SNPI
 - ☒ D. MIST - TMSI - MITS

Q.75 Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing the north. A sits second from one of the extreme ends of the line. Only two people sit between A and C. B sits to the immediate right of C. Only one person sits between B and D. F sits third to the left of D. E sits at one of the positions to the right of G. How many people sit between A and G?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Three
 - ☒ D. None

Q.76 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?

$$88 \text{ B } 3 \text{ D } 615 \text{ A } 15 \text{ C } 152 = ?$$

- Ans**
- ☐ A. 340
 - ☐ B. 325
 - ☐ C. 360
 - ☒ D. 375

Q.77 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) € # 6 2 @ # 1 6 @ 1 € \$ 3 9 \$ 2 4 4 * £ 6 6 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☐ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☒ D. 2

Q.78 QK 13 is related to TO 17 in a certain way. In the same way, IC 24 is related to LG 28. To which of the given options is SM 35 related, following the same logic?

- Ans**
- ☐ A. VO 38
 - ☐ B. VO 39
 - ☐ C. UR 38
 - ☒ D. VQ 39

Q.79 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C. How many people sit between C and F?

- Ans**
- ☒ A. Two
 - ☐ B. None
 - ☐ C. One
 - ☐ D. Three

Q.80 In a certain code language,
P + Q means 'P is the father of Q',
P # Q means 'P is the wife of Q',
P & Q means 'P is the brother of Q',
and P % Q means 'P is the sister of Q'.

How is O related to L if 'O # G + N # T + L'?

- Ans** ☒ A. Mother's mother
☐ B. Sister's husband
☐ C. Mother's father
☐ D. Father's mother

Section : General Awareness and Current Affairs

Q.81 Who won the 2025 Laureus World Sportsman of the Year award?

- Ans** ☐ A. Usain Bolt
☒ B. Armand "Mondo" Duplantis
☐ C. Cristiano Ronaldo
☐ D. Max Verstappen

Q.82 In the weightlifting event at the 38th National Games, what was Mehak Sharma's total lift that earned her the gold medal and set a new national record?

- Ans** ☐ A. 289 kg
☐ B. 311 kg
☒ C. 247 kg
☐ D. 299 kg

Q.83 In August 2025, which of the following countries temporarily closed the Dardanelles Strait to maritime traffic following major forest fires in the Çanakkale province?

- Ans** ☐ A. Bulgaria
☒ B. Turkey
☐ C. Italy
☐ D. Greece

Q.84 As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, published in June 2025, the number of start-ups rose from 453 in 2016 to 34,293 in 2024. This growth in entrepreneurship primarily supports which Sustainable Development Goal (SDG)?

- Ans** ☐ A. SDG 4
☒ B. SDG 8
☐ C. SDG 10
☐ D. SDG 1

Q.85 In 2025, which state in India is concerned about the invasive species Ruellia Elegans?

- Ans** ☒ A. Assam
☐ B. Bihar
☐ C. Kerala
☐ D. Chhattisgarh

Q.86 From 13 May 2025, the Reserve Bank of India (RBI) mandated that digital lending apps must be _____.

- Ans**
- ☐ A. free of cost to users
 - ☒ B. reported to a centralised portal
 - ☐ C. developed in India only
 - ☐ D. operated only by banks

Q.87 In 2025, which athlete set a new meet record of 48.81 seconds in the women's 400 m at the Paris Diamond League?

- Ans**
- ☐ A. Sydney McLaughlin
 - ☒ B. Marileidy Paulino
 - ☐ C. Salwa Eid Naser
 - ☐ D. Allyson Felix

Q.88 As announced on 21 June 2025, Central Health Ministry is looking at integrating India's Rare Donor Registry with the national online platform for blood bank management and blood availability information, called ____.

- Ans**
- ☐ A. e-Rakt Sagar
 - ☐ B. e-Rakt Sanchay
 - ☒ C. e-Rakt Kosh
 - ☐ D. e-Rakt Kawach

Q.89 Who flagged off India's first exported locomotive to Guinea in June 2025?

- Ans**
- ☐ A. Piyush Goyal
 - ☐ B. Ashwini Vaishnaw
 - ☐ C. Jagdeep Dhankhar
 - ☒ D. Narendra Modi

Q.90 In March 2025, the Reserve Bank of India (RBI) granted Regional Rural Banks (RRBs) an additional how many years from financial year 2025 to amortise the additional expenditure arising from the revision in pensions?

- Ans**
- ☐ A. Three
 - ☐ B. Four
 - ☒ C. Five
 - ☐ D. Six

Q.91 In how many languages was the new text-to-speech AI model which launched by Sarvam AI in May 2025?

- Ans**
- ☒ A. 11
 - ☐ B. 7
 - ☐ C. 9
 - ☐ D. 12

Q.92 During the 11th National Conference on Women, held in May 2025, which of the following state's police showcased 'Mission Shakti' as a model initiative for women's safety?

- Ans**
- ☐ A. West Bengal
 - ☐ B. Karnataka
 - ☐ C. Haryana
 - ☒ D. Uttar Pradesh

Q.93 Which event was scheduled for 27 June 2025, regarding the DR Congo–Rwanda agreement?

- Ans**
- ☐ A. Formal signing by ministers
 - ☒ B. Deployment of peacekeepers
 - ☐ C. Initial talks
 - ☐ D. UN Security Council resolution

Q.94 The Union Government introduced a major overhaul of labour laws, consolidating twenty-nine existing regulations into four new codes effective from which of the following dates?

- Ans**
- ☒ A. 21 November 2025
 - ☐ B. 1 January 2026
 - ☐ C. 1 December 2025
 - ☐ D. 15 February 2026

Q.95 In November 2025, which legislation was highlighted for merging nine Social Security Acts, covering gig and platform workers, and strengthening women-centric provisions?

- Ans**
- ☐ A. Code on Wages, 2019
 - ☐ B. Industrial Relations Code, 2020
 - ☒ C. Code on Social Security, 2020
 - ☐ D. Health and Working Conditions Code, 2020

Q.96 In May 2025, which Union Minister launched the Annual Calendar initiative under the Khelo India programme to boost the country's sports ecosystem?

- Ans**
- ☐ A. Kiren Rijju
 - ☐ B. Anurag Thakur
 - ☒ C. Dr. Mansukh Mandaviya
 - ☐ D. Udhayanidhi Stalin

Q.97 Which eminent economist was honoured with the Punyabhushan Puraskar in June 2025 for contributions to economics?

- Ans**
- ☐ A. C Rangarajan
 - ☐ B. P Chidambaram
 - ☒ C. Vijay Kelkar
 - ☐ D. Arvind Subramanian

Q.98 As of June 2025, who is the Chief Minister of Jammu and Kashmir?

- Ans**
- ☐ A. Mehbooba Mufti
 - ☐ B. PU Laldhuma
 - ☒ C. Omar Abdullah
 - ☐ D. Mufti Mohammad Sayeed

Q.99 In June 2025, which ministry/institution released the Sustainable Development Goals – National Indicator Framework Progress Report, 2025?

- Ans**
- ☐ A. NITI Aayog
 - ☐ B. Ministry of Finance
 - ☐ C. Ministry of Environment, Forest and Climate Change
 - ☒ D. Ministry of Statistics and Programme Implementation

Q.100 As per the April 2025 monthly Periodic Labour Force Survey (PLFS) data, what was India's unemployment rate in April 2025?

- Ans**
- ☒ A. 6.4%
 - ☒ B. 5.6%
 - ☒ C. 5.1%
 - ☒ D. 4.9%



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Shiv Jyoti International School
Test Date	22/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The _____ helps in the movement of mucus along the lining of the respiratory tract.

- Ans**
- ☒ A. simple squamous epithelium
 - ☒ B. cuboidal epithelium
 - ☒ C. ciliated columnar epithelium
 - ☒ D. stratified squamous epithelium

Q.2 If two resistors are connected in series, then which of the following statements is correct regarding the equivalent resistance of the circuit?

- Ans**
- ☒ A. It will decrease.
 - ☒ B. It will increase at first and then will decrease.
 - ☒ C. It will increase.
 - ☒ D. It will remain same.

Q.3 Which of the following best explains the liquefaction of gases under high pressure?

- Ans**
- ☒ A. Higher pressure reduces the space between particles, leading to liquefaction
 - ☒ B. Increased molecular size leads to condensation
 - ☒ C. Higher pressure increases temperature, leading to phase change
 - ☒ D. Gases expand indefinitely, so pressure has no effect

Q.4 Sounds of single frequency and mixture of several frequencies are known as _____, respectively.

- Ans**
- ☒ A. note and tone
 - ☒ B. noise and tone
 - ☒ C. tone and note
 - ☒ D. tone and noise

Q.5 Which of the following describes reproduction involving only one parent and no gametes?

- Ans**
- ☒ A. Internal fertilisation in mammals
 - ☒ B. Binary fission in Amoeba
 - ☒ C. Fertilisation in frogs
 - ☒ D. Seed formation in flowering plants

Q.6 Which of the following techniques is used for vegetative propagation in plants?

- Ans**
- ☐ A. Fertilisation
 - ☐ B. Pollination
 - ☐ C. Seed dispersal
 - ☒ D. Cutting

Q.7 Cyclohexane is best classified as which type of organic compound?

- Ans**
- ☐ A. A branched hydrocarbon with one or more unsaturated carbon bonds
 - ☒ B. A saturated alicyclic compound composed of six carbon atoms in a ring
 - ☐ C. An aromatic compound containing a delocalised π -electron ring system
 - ☐ D. An organic aldehyde consisting of a linear chain of six carbon atoms

Q.8 Which of the following statements is NOT correct about linear velocity?

- Ans**
- ☐ A. Linear velocity is constant for uniform motion.
 - ☐ B. Linear velocity depends on displacement and time.
 - ☒ C. The SI unit of linear velocity is m/s^2 .
 - ☐ D. It is the rate of change of displacement.

Q.9 Which of the following structures are made up of nervous tissue?

- Ans**
- ☐ A. Bones and muscles
 - ☐ B. Kidneys and liver
 - ☐ C. Lungs and heart
 - ☒ D. Brain, spinal cord and nerves

Q.10 What is the main goal of crop variety improvement?

- Ans**
- ☒ A. To develop crops with better yield and useful traits
 - ☐ B. To increase water content in soil
 - ☐ C. To grow only ornamental plants
 - ☐ D. To reduce the number of crops grown

Q.11 What colour does copper turn when it undergoes corrosion over time?

- Ans**
- ☐ A. Red
 - ☒ B. Green
 - ☐ C. Grey
 - ☐ D. White

Q.12 What is the formula unit mass of ZnO (zinc oxide)?

- Ans**
- ☐ A. 16 u
 - ☒ B. 81 u
 - ☐ C. 97 u
 - ☐ D. 65 u

Q.13 According to Joule's law of heating, if the current flowing through a resistor is doubled while resistance and time remain constant, then the heat produced (H) will increase by a factor of _____.

- Ans**
- ☐ A. two
 - ☐ B. sixteen
 - ☐ C. eight
 - ☒ D. four

Q.14 A ship floats on water because:

- Ans
- ☐ A. the atmospheric pressure supports the ship
 - ☐ B. the density of water is greater than that of the ship material
 - ☐ C. the surface tension holds it afloat
 - ☒ D. the weight of water displaced equals the weight of the ship

Q.15 Which compound from the following is an unsaturated hydrocarbon?

- Ans
- ☐ A. Butane
 - ☐ B. Propane
 - ☒ C. Ethene
 - ☐ D. Methane

Q.16 In which of the following reactions do two compounds combine to form a new compound?

- Ans
- ☐ A. $C + O_2 \rightarrow CO_2$
 - ☐ B. $H_2 + Cl_2 \rightarrow HCl$
 - ☒ C. $CaO + CO_2 \rightarrow CaCO_3$
 - ☐ D. $Na + Cl_2 \rightarrow NaCl$

Q.17 Which of the following is a compound?

- Ans
- ☒ A. Salt (NaCl)
 - ☐ B. Lemon juice
 - ☐ C. Soil
 - ☐ D. Air

Q.18 Why do aquatic organisms breathe faster than terrestrial organisms?

- Ans
- ☐ A. Because they absorb oxygen directly from sunlight through gills
 - ☐ B. Because water exerts less resistance on breathing organs
 - ☒ C. Because the amount of dissolved oxygen in water is very low
 - ☐ D. Because diffusion of oxygen in water is faster than in air

Q.19 What is the role of sulphuric acid in the anodising process of aluminium?

- Ans
- ☐ A. It prevents oxidation of aluminium.
 - ☒ B. It acts as an electrolyte to help form a thicker oxide layer.
 - ☐ C. It dissolves aluminium completely.
 - ☐ D. It reacts with aluminium to form aluminium chloride.

Q.20 If an object is placed at the centre of curvature (C) of a concave mirror, then what is the value of the magnification (m)?

- Ans
- ☐ A. $m = +1$
 - ☐ B. $m = 0$
 - ☐ C. $m < -1$
 - ☒ D. $m = -1$

Q.21 Which of the following is an example of uniform circular motion?

- Ans
- ☐ A. A train moving on a straight track
 - ☐ B. A stone dropped from a height
 - ☐ C. A car moving on a straight road
 - ☒ D. The Moon revolving around the Earth

Q.22 A force of 7 N acts on an object and displaces it through 8 m in the direction of the force. What is the work done in this case?

- Ans**
- ☒ A. 56 J
 - ☐ B. 15 Nm
 - ☐ C. 7 J
 - ☐ D. 56 N

Q.23 A patient is unable to move his left hand, but brain scans show no damage. Which part of the nervous system is most likely to be affected?

- Ans**
- ☒ A. Peripheral nervous system
 - ☐ B. Central nervous system
 - ☐ C. Parasympathetic nervous system
 - ☐ D. Autonomic nervous system

Q.24 What is the correct path of the egg in the female reproductive system?

- Ans**
- ☐ A. Ovary → Vagina → Uterus
 - ☐ B. Fallopian tube → Ovary → Uterus
 - ☒ C. Ovary → Fallopian tube → Uterus
 - ☐ D. Uterus → Ovary → Fallopian tube

Q.25 The image formed by a concave mirror of focal length 20 cm is real, inverted, and enlarged in size as compared to the size of the object. Which of the following is true about the position of the object?

- Ans**
- ☐ A. The object is placed at 20 cm from the pole of the mirror.
 - ☐ B. The object is placed at 10 cm from the pole of the mirror.
 - ☐ C. The object is placed at 40 cm from the pole of the mirror.
 - ☒ D. The object is placed between 20 cm and 40 cm from the pole of the mirror.

Section : Mathematics

Q.26 A camp has provisions for 20 pupils for 12 days. In how many days will the same provisions be used up, if the strength of the camp is increased to 80 pupils?

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☐ C. 6
 - ☒ D. 3

Q.27 The monthly incomes of two friends Mukund and Sachin are in the ratio 5 : 9 respectively and each of them saves ₹45,000 every month. If the ratio of their monthly expenditure is 1 : 3, then find the monthly income of Mukund (in ₹).

- Ans**
- ☒ A. 75,000
 - ☐ B. 1,05,000
 - ☐ C. 74,000
 - ☐ D. 76,000

Q.28 In a right circular cylinder, diameter of the base is 21 cm. If eight times the area of its two circular faces is five times the area of its curved surface, find the height of the cylinder.

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

- Ans
- ☒ A. 5842.2
 - ☒ B. 5832.2
 - ☒ C. 5821.2
 - ☒ D. 5812.2

Q.29 Simplify: $\frac{\sin 60^\circ \cos 30^\circ}{\tan 45^\circ}$

- Ans
- ☒ A. $\frac{1}{2}$
 - ☒ B. $\frac{\sqrt{3}}{2}$
 - ☒ C. $\frac{3}{4}$
 - ☒ D. 1

Q.30 The distance between points A and B is 933 km. Namit travels from A to B at a speed of 70 km/hr and returns at a speed of 111 km/hr. Calculate Namit's average speed for the entire journey (rounded off to two decimal places).

- Ans
- ☒ A. 88.58 km/hr
 - ☒ B. 94.58 km/hr
 - ☒ C. 85.86 km/hr
 - ☒ D. 81.26 km/hr

Q.31 The simplified value of $\sqrt{256} - \sqrt{169} + (\sqrt{144} - \sqrt{25})^2$ is:

- Ans
- ☒ A. 37
 - ☒ B. 41
 - ☒ C. 47
 - ☒ D. 52

Q.32 $\frac{1}{20}$ is what percentage of $\frac{11}{60}$? (Round off to two decimal places)

- Ans
- ☒ A. 42.27%
 - ☒ B. 37.27%
 - ☒ C. 54.54%
 - ☒ D. 27.27%

Q.33 Find the single discount (approximately) equal to three consecutive discounts of 6%, 5% and 11%.

- Ans
- ☒ A. 23.23%
 - ☒ B. 21.86%
 - ☒ C. 20.52%
 - ☒ D. 21.73%

Q.34 The mode of the observations 21, 29, 35, 24, 25, 33, 24, 23, 26, 28, 35, 27, 20, 35 and 20 is:

- Ans** ☒ A. 35
☐ B. 21
☐ C. 29
☐ D. 24

Q.35 The product of the present ages of Ram and Lalith is 216 years, and their age ratio is 6 : 1. Find the difference in their ages.

- Ans** ☐ A. 24 years
☐ B. 36 years
☒ C. 30 years
☐ D. 18 years

Q.36 The expenditure of Sudha is 200% more than her savings. If her expenditure decreases by 10% and savings increase by 34%, then by what percentage does her income increase?

- Ans** ☒ A. 1%
☐ B. 6%
☐ C. 4%
☐ D. 3%

Q.37 The average of 7 numbers is 23. If each number is decreased by 7, what will the new average be?

- Ans** ☐ A. 9
☒ B. 16
☐ C. 7
☐ D. 23

Q.38 Ramesh bought an article for ₹5,000 and sold it to Suresh at a profit of 20%. Suresh then sold it further at a loss of 10%. For how much did Suresh sell the article?

- Ans** ☐ A. ₹5,200
☐ B. ₹5,600
☒ C. ₹5,400
☐ D. ₹5,800

Q.39 ₹5,575 is divided among X, Y and Z in such a way that if ₹85, ₹65 and ₹61 is deducted from their respective shares, they have money in the ratio 5:11:20. Find the difference between the original shares of Y and Z.

- Ans** ☐ A. ₹1,241
☐ B. ₹1,191
☒ C. ₹1,337
☐ D. ₹1,491

Q.40 An item is sold for ₹6,500 after two successive discounts of 35% and 20%. What is the marked price (in ₹) of the item?

- Ans** ☐ A. 12,560
☐ B. 12,674
☐ C. 12,435
☒ D. 12,500

Q.41 Find the ratio between the fourth proportional of 4, 8 and 19 to the mean proportional of 9 and 4.

- Ans** ☒ A. 19 : 3
☐ B. 19 : 4
☐ C. 16 : 9
☐ D. 22 : 7

Q.42 Pipes A and B can fill an empty cistern in 65 minutes and 26 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe B be turned off so that the empty cistern is completely filled in a total of 30 minutes?

- Ans** ☐ A. 15 minutes
☒ B. 14 minutes
☐ C. 10 minutes
☐ D. 20 minutes

Q.43 A train passes a station platform in 60 seconds and a man standing on the platform in 40 seconds. If the speed of the train is 63 km/hr, calculate the length of the platform.

- Ans** ☐ A. 550 metres
☐ B. 300 metres
☐ C. 400 metres
☒ D. 350 metres

Q.44 Find the smallest number which when increased by 10 is completely divisible by 12, 15, 18 and 20.

- Ans** ☒ A. 170
☐ B. 200
☐ C. 180
☐ D. 190

Q.45 Simplify: $[(9x + 4y)^2 - (9x - 4y)^2] \div 24x$

- Ans** ☐ A. 16x
☐ B. 12xy
☐ C. 8x
☒ D. 6y

Q.46 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 36^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans** ☒ A. 18°
☐ B. 25°
☐ C. 21°
☐ D. 22°

Q.47 The price of a branded pen is ₹180 and that of a pencil is ₹3.50. If the total price of x branded pens and y pencils is ₹935 and $x + y = 15$, then what is the value of $(x^2 + y^2)$?

- Ans** ☐ A. 164
☐ B. 181
☒ C. 125
☐ D. 205

Q.48 The amount on a sum of ₹4,800 at 15% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☒ A. ₹6,348
☐ B. ₹6,717
☐ C. ₹7,194
☐ D. ₹6,836

Q.49 A, B and C can do a piece of work in 2, 4 and 4 days, respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans** ☐ A. 9
☐ B. 6
☒ C. 3
☐ D. 4

Q.50 The diagonal of a rectangle is $\sqrt{89}$ cm and its area is 40 cm². Find the

- Ans** ☒ A. 26 cm
☐ B. 80 cm
☐ C. 169 cm
☐ D. 13 cm

Section : General Intelligence and Reasoning

Q.51 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:

All pilots are captains.
All captains are drivers.
Some drivers are teachers.

Conclusions

(I) All pilots are drivers.
(II) Some teachers are pilots.

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

Q.52 In a certain code language, 'BACK' is coded as '8561' and 'TACK' is coded as '6458'. What is the code for 'T' in that language?

- Ans** ☐ A. 6
☐ B. 1
☐ C. 5
☒ D. 4

Q.53 What should come in place of the question mark (?) in the given series?

48 56 71 93 122 ?

- Ans** ☐ A. 157
☐ B. 159
☒ C. 158
☐ D. 156

Q.54 In a certain code language,

A $\pm$ B means 'A is the wife of B',
A * B means 'A is the daughter of B',
A r B means 'A is the father of B' and
A # B means 'A is the brother of B'.

How is D related to O if 'D $\pm$ R # A * C r O'?

- Ans ☒ A. Wife
☒ B. Brother's wife
☒ C. Mother
☒ D. Father's mother

Q.55 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and ' $\div$ ' are interchanged?

$$71 \div 9 + 192 \times 16 - 41 = ?$$

- Ans ☒ A. 668
☒ B. 523
☒ C. 619
☒ D. 591

Q.56 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 14.4, 13.7)
(32, 32.4, 31.7)

- Ans ☒ A. (25, 25.4, 24.7)
☒ B. (46, 46.4, 44.7)
☒ C. (63, 63.4, 61.7)
☒ D. (78, 78.4, 75.7)

Q.57 Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. Only two people sit between V and D. Only U sits to the right of T. Only one person sits between D and T. C sits at some place to the right of B but at some place to the left of W. How many people sit between W and B?

- Ans ☒ A. Three
☒ B. Four
☒ C. Two
☒ D. One

Q.58 Mr. Akte ranked 54th from the top and 19th from the bottom in his class. How many students are there in his class?

- Ans ☒ A. 68
☒ B. 70
☒ C. 72
☒ D. 73

Q.59 Six people, A, B, C, D, E and F, are sitting in a row, facing north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the line?

- Ans**
- ☐ A. A
 - ☐ B. E
 - ☒ C. B
 - ☐ D. F

Q.60 What should come in place of the question mark (?) in the given series?

35 40 30 45 25 ?

- Ans**
- ☒ A. 50
 - ☐ B. 60
 - ☐ C. 45
 - ☐ D. 55

Q.61 After walking 20 metres north from point A, Jane turns right and walks another 15 metres. Then she turns right again and walks 50 metres to stop at point B. In which direction is point A with respect to point B?

- Ans**
- ☐ A. West
 - ☐ B. South-west
 - ☐ C. East
 - ☒ D. North-west

Q.62 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) ? % 4 5 % & ^ ? \ \ 4 \$ % & 5 4 / 4 % ^ 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☐ A. None
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. One

Q.63 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$33 - 15 \div 6 + 120 \times 8 = ?$

- Ans**
- ☐ A. 120
 - ☒ B. 108
 - ☐ C. 112
 - ☐ D. 115

Q.64 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 6 5 8 8 5 4 7 7 4 2 7 9 2 2 5 7 4 8 8 2 1 8 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. None
 - ☒ D. Two

Q.65 XBYA is related to CGDF in a certain way based on the English alphabetical order. In the same way, ZDAC is related to EIFH. To which of the given options is BFCE related, following the same logic?

- Ans**
- ☒ A. GLGK
 - ☒ B. GJGJ
 - ☒ C. GKHJ
 - ☒ D. GKGJ

Q.66 In a certain code language, 'bowl tin leaf' is coded as 'ef cz bi' and 'leaf mode theme' is coded as 'cz nx an'. How is 'leaf' coded in that language?

- Ans**
- ☒ A. bi
 - ☒ B. ef
 - ☒ C. cz
 - ☒ D. nx

Q.67 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DER UVI LMZ CDQ ?

- Ans**
- ☒ A. HIT
 - ☒ B. THU
 - ☒ C. TUH
 - ☒ D. THI

Q.68 Oren starts from Point A and drives 13 km towards the East. He then takes a left turn, drives 6 km, turns left and drives 17 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 4 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. 7 km to the South
 - ☒ B. 7 km to the North
 - ☒ C. 8 km to the North
 - ☒ D. 8 km to the South

Q.69 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 1 3 4 7 5 1 3 6 6 7 9 5 9 6 7 8 1 3 7 3 (Right)

How many such odd digits are there, each of which is immediately preceded by a perfect square and also immediately followed by an odd digit?

(NOTE: 1 is also a perfect square)

- Ans
- ☒ A. 1
 - ☒ B. 2
 - ☒ C. 3
 - ☒ D. 4

Q.70 If '+' means 'subtraction', '-' means 'multiplication', '×' means 'division', and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$25 - 6 \div 4 + 16 \times 4 \div 16 + 22 = ?$$

- Ans
- ☒ A. 144
 - ☒ B. 145
 - ☒ C. 142
 - ☒ D. 146

Q.71 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:

All balls are hens.

All rabbits are hens.

Conclusions:

(I) Some balls are rabbits.

(II) Some hens are rabbits.

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

Q.72 What should come in place of the question mark (?) in the given series?

100, 97, 91, 82, 70, ?

- Ans
- ☒ A. 54
 - ☒ B. 52
 - ☒ C. 53
 - ☒ D. 55

Q.73 A, B, C, D and E are sitting around a circular table, facing the centre. B is sitting third to the right of C. A is sitting third to the left of C. D and A are immediate neighbours. Who is to the immediate left of C?

- Ans
- ☒ A. E
 - ☒ B. A
 - ☒ C. B
 - ☒ D. D

Q.74 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 4 1 7 2 6 5 1 6 7 8 8 5 9 4 6 1 6 8 8 8 3 5 2 6 7 8 (Right)

How many such odd 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.75 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KIH-DBA
OML-HFE

- Ans**
- ☐ A. TRQ-LKI
 - ☐ B. TQO-MKJ
 - ☒ C. TRQ-MKJ
 - ☐ D. TQO-LJI

Q.76 Seven boxes, L, M, N, O, Q, R and S, are kept one over the other, but not necessarily in the same order. Only L is kept above Q. Only three boxes are kept between L and R. Only O is kept below N. S is kept immediately above M. Which box is kept second above M?

- Ans**
- ☐ A. L
 - ☐ B. O
 - ☒ C. Q
 - ☐ D. N

Q.77 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. RQN
 - ☐ B. NMJ
 - ☐ C. CBY
 - ☒ D. XXT

Q.78 RL 12 is related to VQ 16 in a certain way. In the same way, NH 15 is related to RM 19. To which of the given options is IC 24 related, following the same logic?

- Ans**
- ☐ A. KJ 28
 - ☐ B. LG 29
 - ☒ C. MH 28
 - ☐ D. KH 29

Q.79 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

YCG 18 HLP 23 QUY 28 ZDH 33 ?

- Ans**
- ☐ A. IRB 37
 - ☒ B. IMQ 38
 - ☐ C. ILP 37
 - ☐ D. INP 38

Q.80 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. PKN
 - ☐ B. LGJ
 - ☐ C. MHK
 - ☒ D. RMQ

Section : General Awareness and Current Affairs

Q.81 Which of the following political parties announced a nationwide protest on November 18, 2025, against rising atrocities on marginalized groups in India?

- Ans
- ☐ A. Aam Aadmi Party
 - ☐ B. Indian National Congress
 - ☐ C. Bharatiya Janata Party
 - ☒ D. Communist Party of India

Q.82 What happens if the accused minister (Prime Minister / Chief Minister) is granted bail within 30 days according to the Constitution (130th Amendment) Bill, 2025?

- Ans
- ☐ A. They are removed from office permanently.
 - ☐ B. They are suspended from their post for 30 more days.
 - ☒ C. No action is taken; they can continue in office.
 - ☐ D. They are automatically disqualified for 5 years.

Q.83 What is India's rank in the WEF Energy Transition Index, 2025?

- Ans
- ☐ A. 75th
 - ☐ B. 68th
 - ☐ C. 63rd
 - ☒ D. 71st

Q.84 Which state hosted the Khelo India Youth Games, 2025?

- Ans
- ☐ A. Maharashtra
 - ☐ B. Tamil Nadu
 - ☒ C. Bihar
 - ☐ D. Uttar Pradesh

Q.85 Which country became the first team to qualify for the 2026 FIFA World Cup (excluding host nations)?

- Ans
- ☐ A. South Korea
 - ☐ B. Iran
 - ☒ C. Japan
 - ☐ D. Australia

Q.86 The Railways ordered which safety feature to be installed at stations in Pune in June 2025?

- Ans
- ☒ A. Panic alert buttons
 - ☐ B. Body scanning machines
 - ☐ C. Surveillance camera systems
 - ☐ D. Reserved coaches for women

Q.87 According to Union Budget 2025–26, approximately _____ was allocated for the Ministry of Environment, Forest and Climate Change in India.

- Ans**
- ✓ A. ₹3,413 crore
 - ✗ B. ₹1,720 crore
 - ✗ C. ₹2,672 crore
 - ✗ D. ₹2,958 crore

Q.88 Who was awarded the prestigious Dadasaheb Phalke Award, the highest honour in Indian cinema, at the 70th National Film Awards ceremony on 8 October 2024?

- Ans**
- ✓ A. Mithun Chakraborty
 - ✗ B. Amitabh Bachchan
 - ✗ C. Rekha
 - ✗ D. Vinod Mehra

Q.89 Who among the following is the Chairman of the committee constituted to examine the provision of "One Nation One Election" in India?

- Ans**
- ✓ A. Ram Nath Kovind
 - ✗ B. Pratibha Patil
 - ✗ C. Keshav Chand
 - ✗ D. Jagdeesh Dhankhad

Q.90 The National Red List Roadmap launched in 2025 aims primarily to _____.

- Ans**
- ✗ A. Reduce carbon emissions from industries
 - ✗ B. Promote eco-tourism across national parks
 - ✓ C. Assess and monitor the conservation status of India's flora and fauna
 - ✗ D. Increase and expand the country's overall forest cover by 10% by 2030

Q.91 Who is the author of the Lithuanian novel, 'The Last Day', which was translated into Hindi by the Sahitya Akademi in October 2025 as part of celebrating literary exchange and cultural collaboration?

- Ans**
- ✗ A. Vincas Mykolaitis-Putinas
 - ✗ B. Jurga Ivanauskaitė
 - ✗ C. Balys Sruoga
 - ✓ D. Jaroslavas Melnikas

Q.92 From March 9 to 12, 2025, the second part of India's fifth Khelo India Winter Games was conducted in which of the following places?

- Ans**
- ✗ A. Shimla
 - ✗ B. Leh
 - ✗ C. Auli
 - ✓ D. Gulmarg

Q.93 Which Ukrainian city suffered a deadly Russian missile strike in mid-June 2025?

- Ans**
- ✗ A. Kyiv
 - ✓ B. Dnipro
 - ✗ C. Lviv
 - ✗ D. Kharkiv

Q.94 Which of the following was released by the Reserve Bank of India in January 2025 to streamline credit information frameworks?

- Ans**
- ✓ A. Credit Information Reporting Directions, 2025
 - ✗ B. Private Sector Credit Guidelines, 2025
 - ✗ C. Priority Sector Lending Master Directions, 2025
 - ✗ D. External Borrowing Guidelines, 2025

Q.95 What is the name of DRDO's homegrown multi-layered defense system, showcased for the first time at the 2025 Republic Day parade and Aero India 2025?

- Ans**
- ✗ A. Vayu-Prahar Kavach
 - ✗ B. Surya-Vajra
 - ✗ C. Agni-Shakti
 - ✓ D. Rakshak-Suraksha Kavach

Q.96 Which of the following bilateral agreements was signed between India and Singapore and marked the upgrade of their relationship by exchanging several MoUs in areas such as semiconductors, digital technologies and skills development?

- Ans**
- ✓ A. India-Singapore Comprehensive Strategic Partnership
 - ✗ B. India-Singapore Indo-Pacific Security Treaty
 - ✗ C. India-Singapore Strategic Economic Cooperation Agreement
 - ✗ D. India-Singapore Comprehensive Economic Partnership Agreement

Q.97 In May 2025, which advanced research facility was inaugurated by the Defence Research and Development Organisation (DRDO) with the aim to further strengthen indigenous quantum capabilities for strategic and defence applications?

- Ans**
- ✗ A. Quantum Defence Lab, Hyderabad
 - ✗ B. Bharat Quantum Institute, Pune
 - ✗ C. National Quantum Hub, Bengaluru
 - ✓ D. Quantum Technology Research Centre, Delhi

Q.98 What is the name of the initiative launched by the Punjab government to ensure women's safety and dignity in 2025?

- Ans**
- ✗ A. Project Suraksha
 - ✗ B. Mission Shakti
 - ✓ C. Project Hifazat
 - ✗ D. Mission Vatsalya

Q.99 Where was the 2025 Hyundai Archery World Cup Grand Final held in October 2025?

- Ans**
- ✗ A. Italy
 - ✓ B. China
 - ✗ C. Japan
 - ✗ D. USA

Q.100 What type of bridge is the new Pamban Rail Bridge, inaugurated in April 2025?

- Ans**
- ✗ A. Arch bridge
 - ✗ B. Suspension bridge
 - ✗ C. Cable-stayed bridge
 - ✓ D. Vertical lift bridge



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Siliguri
Test Date	22/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 2-methylpropane has the same molecular formula as that of which of the following?

- Ans**
- ☒ A. Butane
 - ☐ B. Pentene
 - ☐ C. Pentane
 - ☐ D. Butene

Q.2 A convex lens forms a real image of an object placed at a distance of 30 cm from it. If the image is formed at 60 cm on the other side of the lens, the focal length of the lens is:

- Ans**
- ☐ A. 15 cm
 - ☐ B. 10 cm
 - ☒ C. 20 cm
 - ☐ D. 30 cm

Q.3 What happens to particles on heating a solid?

- Ans**
- ☐ A. They break into other elements.
 - ☐ B. They stop interacting completely.
 - ☒ C. They vibrate with more energy.
 - ☐ D. They freeze and become static.

Q.4 Which of the following is true for saturated hydrocarbons?

- Ans**
- ☐ A. They have at least one triple bond between carbon-carbon atoms.
 - ☐ B. They have at least one double bond between carbon-carbon atoms.
 - ☒ C. They have only a single bond between carbon-carbon atoms.
 - ☐ D. They can have either double and triple bond between carbon-carbon atoms.

Q.5 Which of the following pairs of frequency and time period is correctly related?

- Ans**
- ☐ A. 2 Hz and 0.2 s
 - ☐ B. 1 Hz and 2 s
 - ☒ C. 10 Hz and 0.1 s
 - ☐ D. 5 Hz and 5 s

Q.6 What is the immediate result of the fusion between the male and female germ cells in plants?

- Ans**
- ☐ A. Pollen tube
 - ☒ B. Zygote
 - ☐ C. Ovule
 - ☐ D. Seed coat

Q.7 Some organisms show binary fission by division in any plane but some shows division in a definite orientation. Which of the following shows definite orientation of binary fission?

- Ans**
- ☐ A. Plasmodium
 - ☒ B. Leishmania
 - ☐ C. Amoeba
 - ☐ D. Paramecium

Q.8 If the applied force is quadrupled, how must the acceleration of the object change, assuming its mass remains constant?

- Ans**
- ☒ A. The acceleration increases by a factor of 4.
 - ☐ B. The acceleration increases by a factor of 2.
 - ☐ C. The acceleration decreases by a factor of 4.
 - ☐ D. The acceleration remains the same, but the duration of the change decreases.

Q.9 A wooden block weighs 49 N (thrust). If this block is placed on a table with a contact area of 0.02 m^2 , what is the resulting pressure exerted on the table?

- Ans**
- ☐ A. 49 Pa
 - ☐ B. 980 Nm^{-2}
 - ☐ C. 612.5 Nm^{-2}
 - ☒ D. 2450 Nm^{-2}

Q.10 Select the correct statement about the properties of colloid.

- Ans**
- ☐ A. They can be separated from the mixture by the process of filtration.
 - ☐ B. A colloid is a homogeneous mixture.
 - ☐ C. The components of a colloid solution are not dispersed phase.
 - ☒ D. Dispersing medium is the component in which its phase is suspended.

Q.11 Which type of muscle is voluntary and shows light and dark bands?

- Ans**
- ☐ A. Cardiac muscle
 - ☒ B. Striated muscle
 - ☐ C. Unstriated muscle
 - ☐ D. Smooth muscle

Q.12 A body undergoes a displacement of 10 m under the action of a constant force of 2.5 N, in the opposite direction to the direction of force. What will be the work done under the action of this force?

- Ans**
- ☐ A. +25 J
 - ☐ B. -2.5 J
 - ☐ C. +2.5 J
 - ☒ D. -25 J

Q.13 Which of the following generally forms the longest part of a neuron?

- Ans**
- ☐ A. Synapse
 - ☐ B. Cell body
 - ☒ C. Axon
 - ☐ D. Nerve ending

Q.14 Which statement about parallel connection of resistors is true?

- Ans**
- ☒ A. The total current is the sum of the currents through individual resistors.
 - ☐ B. The total resistance increases when more resistors are added.
 - ☐ C. The total current is the same as current through any branch.
 - ☐ D. Each resistor carries the same current regardless of its resistance.

Q.15 Which of the following is NOT an olfactory indicator?

- Ans**
- ☐ A. Onion
 - ☒ B. Turmeric
 - ☐ C. Vanilla extract
 - ☐ D. Clove oil

Q.16 An object is placed anywhere along the principal axis of a concave lens. The image is always formed _____.

- Ans**
- ☒ A. between the focus (F) and the optical centre (O)
 - ☐ B. at the focus (F)
 - ☐ C. at twice the focal length (2F)
 - ☐ D. beyond twice the focal length (2F)

Q.17 According to Bohr, electrons revolve:

- Ans**
- ☒ A. in fixed circular orbits called shells
 - ☐ B. only when energy is absorbed
 - ☐ C. inside the nucleus of an atom
 - ☐ D. in elliptical orbits randomly

Q.18 Match the following columns on Apparatus and Purpose.

Column A

Column B

- | | |
|-----------------------|---|
| A. Litmus paper | 1. To detect acidic or basic nature |
| B. Watch-glass | 2. To place drops of test solutions |
| C. Test tube | 3. To hold and mix solutions safely |
| D. Indicator solution | 4. Shows colour change to identify acid or base |

- Ans**
- ☒ A. A-1; B-2; C-3; D-4
 - ☐ B. A-2; B-3; C-4; D-1
 - ☐ C. A-4; B-1; C-2; D-3
 - ☐ D. A-3; B-4; C-1; D-2

Q.19 If a car moves 100 m in 5 seconds, its linear velocity is:

- Ans**
- ☐ A. 15 m/s
 - ☐ B. 25 m/s
 - ☒ C. 20 m/s
 - ☐ D. 10 m/s

Q.20 A potential difference of V volt is applied across a resistor of $R\ \Omega$, then a current of I ampere flows through it. Keeping the resistance the same, how should the value of potential difference be changed so that the current flowing through the resistance gets doubled? (Keep all the other parameters the same.)

- Ans**
- ☐ A. $V/4$ volts
 - ☐ B. V volts
 - ☐ C. $V/2$ volts
 - ☒ D. $2V$ volts

Q.21 Which of the following is NOT a type of connective tissue?

- Ans**
- ☐ A. Bone
 - ☐ B. Cartilage
 - ☐ C. Blood
 - ☒ D. Epithelium

Q.22 What can be the consequences of improper storage of grains?

- Ans**
- ☐ A. Better nutrition
 - ☐ B. Stronger grains
 - ☐ C. More fragrance
 - ☒ D. Pest attack and spoilage

Q.23 Which of the following is NOT an outcome of fertilisation?

- Ans**
- ☐ A. Zygote formation
 - ☐ B. Placenta formation
 - ☐ C. Embryo formation
 - ☒ D. Egg formation

Q.24 The 'p' in pH stands for _____ and it is used for measuring _____ concentration.

- Ans**
- ☐ A. Potential; hydrogen ion
 - ☐ B. Potential; hydroxide ion
 - ☐ C. Potenz; hydroxide ion
 - ☒ D. Potenz; hydrogen ion

Q.25 Which of the following statements about phloem is correct?

- Ans**
- ☐ A. Phloem is made entirely of dead cells.
 - ☒ B. Phloem transports food from leaves to other parts.
 - ☐ C. Phloem transports minerals from roots to leaves.
 - ☐ D. Phloem transports water upward only.

Section : Mathematics

Q.26 PQRS is a trapezium with PQ parallel to SR and $\angle QRS = 60^\circ$. With R as centre and RQ as radius, an arc QAB is drawn which intersects SR in B. A is an arbitrary point on the arc QAB. If $PQ = QR = 14$ cm and $SB = 8$ cm, then find the area (in cm^2 , rounded off to the nearest integer) of the region PQABSP.

(Take $\pi = \frac{22}{7}$, and $\sqrt{3} = 1.732$)

- Ans**
- ☐ A. 96
 - ☐ B. 110
 - ☒ C. 116
 - ☐ D. 102

Q.27 If the mean proportional of P and 150 is 120, then find the value of P.

- Ans ☐ A. 97
☒ B. 96
☐ C. 98
☐ D. 99

Q.28 The amount on a sum of ₹2,000 at 15% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☐ A. ₹2,667
☒ B. ₹2,645
☐ C. ₹2,650
☐ D. ₹2,575

Q.29 What price should Anjali mark on a shirt which cost her ₹7,000, so as to gain 17% after allowing successive discounts of 35% and 30%?

- Ans ☐ A. ₹18,138
☐ B. ₹18,066
☐ C. ₹18,070
☒ D. ₹18,000

Q.30 After allowing a discount of 9% on the marked price of an article, it is sold for ₹53,053. Find its marked price (in ₹).

- Ans ☒ A. 58,300
☐ B. 58,132
☐ C. 58,146
☐ D. 58,204

Q.31 A car travels 128 km in the first hour and 146 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

- Ans ☐ A. 131
☐ B. 133
☒ C. 137
☐ D. 145

Q.32 The monthly incomes of two friends Rupesh and Manjit, are in the ratio 5 : 9, respectively, and each of them saves ₹36,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Rupesh (in ₹).

- Ans ☒ A. 1,80,000
☐ B. 1,81,000
☐ C. 1,79,000
☐ D. 2,52,000

Q.33 Raman's income is ₹43,000. He saves 26% of his income. If his income increases by 20% and expenditure increases by 40%, then his savings will:

- Ans ☐ A. increase by ₹4,131
☐ B. increase by ₹4,133
☒ C. decrease by ₹4,128
☐ D. decrease by ₹4,133

Q.34 In a test, B got 50 marks while A got 75 marks, out of 100 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

- Ans**
- ☐ A. 75.55%
 - ☐ B. 150.19%
 - ☒ C. 66.67%
 - ☐ D. 82.35%

Q.35 P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 48 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☐ A. 9
 - ☒ B. 4
 - ☐ C. 8
 - ☐ D. 5

Q.36 If $\sqrt{72} + \sqrt{12} = a\sqrt{2} + b\sqrt{3}$, then what is the value of $a - b$?

- Ans**
- ☐ A. 5
 - ☒ B. 4
 - ☐ C. 8
 - ☐ D. 6

Q.37 If the radius of a cylinder is halved and its height is doubled, then its volume will be _____.

- Ans**
- ☐ A. Increased by four times
 - ☐ B. Same
 - ☐ C. Doubled
 - ☒ D. Halved

Q.38 The ratio of two friends' ages is 4 : 5. Together, their ages add up to 36 years. What is the age of the older friend?

- Ans**
- ☐ A. 22 years
 - ☐ B. 18 years
 - ☒ C. 20 years
 - ☐ D. 16 years

Q.39 If 4 lines of a print, in a column of a book, contain 63 words, how many words will a column of 52 lines contain?

- Ans**
- ☒ A. 819
 - ☐ B. 829
 - ☐ C. 815
 - ☐ D. 823

Q.40 A regular polygon has $2n$ sides. What is the angle made between two adjacent sides (in degrees)?

- Ans**
- ☐ A. $\left(1 + \frac{1}{n}\right) \times 90^\circ$
 - ☐ B. $\left(1 + \frac{1}{n}\right) \times 180^\circ$
 - ☐ C. $\left(1 - \frac{1}{n}\right) \times 90^\circ$
 - ☒ D. $\left(1 - \frac{1}{n}\right) \times 180^\circ$

Q.41 A trader marks an item 40% above its cost price and gives a discount of 10%. Find his profit percentage.

- Ans**
- ☐ A. 30%
 - ☒ B. 26%
 - ☐ C. 24%
 - ☐ D. 20%

Q.42 Find the largest number which divides 62, 134 and 242 to leave the same remainder in each case.

- Ans**
- ☐ A. 32
 - ☐ B. 38
 - ☐ C. 34
 - ☒ D. 36

Q.43 The mode of the observations 7, 5, 6, 3, 3, 7, 1, 7, 8, 7, 1, 4, 8, 8 and 4 is:

- Ans**
- ☐ A. 6
 - ☒ B. 7
 - ☐ C. 5
 - ☐ D. 3

Q.44 A can complete one-sixth of a work in 13 days, B can complete 34% of the same work in 17 days, C can complete one-third of the work in 19 days and D can complete three-fourth of the work in 15 days. Who will be able to complete the work first?

- Ans**
- ☒ A. D
 - ☐ B. B
 - ☐ C. C
 - ☐ D. A

Q.45 Walking at $\frac{3}{4}$ th of his normal speed from his home, Abhishek is 5 min

The usual time taken by him to cover the distance between his home :



- Ans**
- ☐ A. 7 minutes
 - ☐ B. 11 minutes
 - ☒ C. 15 minutes
 - ☐ D. 12 minutes

Q.46 What is the difference between the average of prime numbers between 20 and 40 and the average of multiples of 2 between 10 and 30?

- Ans**
- ☒ A. 10
 - ☐ B. 20
 - ☐ C. 18
 - ☐ D. 1

Q.47 A total profit of ₹14,200 is to be distributed amongst A, B and C such that A : B = 13 : 9 and B : C = 18 : 11. The share (in ₹) of C in the profit is:

- Ans**
- ☐ A. 2,740
 - ☐ B. 2,690
 - ☐ C. 2,940
 - ☒ D. 2,840

Q.48 If $\sec \theta + \tan \theta = 4 + \sqrt{15}$, then find the value of $\sec \theta - \tan \theta$.

- Ans
- ☒ A. 10
 - ☒ B. $4\sqrt{15}$
 - ☒ C. $4 - \sqrt{15}$
 - ☒ D. 15

Q.49 In a farm, there are chickens and rabbits, altogether, there are 20 animals. The total number of legs is 56. How many chickens are there in the farm?

- Ans
- ☒ A. 12
 - ☒ B. 8
 - ☒ C. 14
 - ☒ D. 6

Q.50 If $x + y = 12$ and $xy = 32$, find the value of $x^2 + y^2$.

- Ans
- ☒ A. 76
 - ☒ B. 84
 - ☒ C. 88
 - ☒ D. 80

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

ZDF1, YGH3, XJJ9, WML27, ?

- Ans
- ☒ A. VQM81
 - ☒ B. VPN81
 - ☒ C. WPM79
 - ☒ D. WQM79

Q.52 In a certain code language,

A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A % B means 'A is the father of B' and
A # B means 'A is the daughter of B'.

How is E related to T if 'T - L # Q # P x E'?

- Ans
- ☒ A. Mother's father
 - ☒ B. Wife's brother
 - ☒ C. Daughter's son
 - ☒ D. Daughter's husband

Q.53 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 seats are plates. All plates are chairs.

Conclusion (I): Some seats are chairs.

Conclusion (II): All chairs are plates.

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

Q.54 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. BHIM
☐ B. UACG
☐ C. AGIM
☐ D. GMOS

Q.55 A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits second to the left of F. C is an immediate neighbour of A. B sits to the immediate right of A. D sits second to the left of E. What is the position of E with respect to A?

- Ans** ☐ A. Immediate right
☒ B. Second to the left
☐ C. Second to the right
☐ D. Third to the left

Q.56 In a certain code language GYSU is coded as 74 and MAKZ is coded as 53. What is the code for IHOW in that language?

- Ans** ☐ A. 51
☒ B. 57
☐ C. 60
☐ D. 59

Q.57 What should come in place of the question mark (?) in the given series?

11 16 22 29 37 ?

- Ans** ☐ A. 43
☐ B. 44
☐ C. 45
☒ D. 46

Q.58 Warner starts from Point A and drives 78 km towards the west. He then takes a right turn, drives 79 km, turns right and drives 80 km. He then takes a right turn and drives 90 km. He takes a final right turn, drives 2 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. 12 km to the south
☐ B. 13 km to the south
☐ C. 10 km to the north
☒ D. 11 km to the north

Q.59 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$24 \div 5 + 18 \times 6 - 17 = ?$

- Ans** ☒ A. 134
☐ B. 136
☐ C. 132
☐ D. 130

Q.60 In a row of 58 people facing the north, Jolly sits 19th from the left end. If Bela sits 17th to the right of Jolly, then what is Bela's position from the right end of the line?

- Ans**
- ☒ A. 22nd
 - ☒ B. 23rd
 - ☒ C. 24th
 - ☒ D. 20th

Q.61 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 3, 42)
(12, 2, 24)

- Ans**
- ☒ A. (15, 45, 3)
 - ☒ B. (5, 8, 36)
 - ☒ C. (13, 3, 39)
 - ☒ D. (18, 2, 9)

Q.62 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BFL : EIO
KPI : NSL

- Ans**
- ☒ A. LQW : OTZ
 - ☒ B. DJH : GMJ
 - ☒ C. DBH : THY
 - ☒ D. APH : BSJ

Q.63 This question is based on the five, three-digit numbers given below.

(Left) 745 768 729 716 721 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 10
 - ☒ B. 14
 - ☒ C. 12
 - ☒ D. 13

Q.64 Eight people (A, B, C, D, P, Q, R and S) are sitting around a circular table facing towards the centre.

B is an immediate neighbour of both S and P.
C sits second to the right of P.
R is an immediate neighbour of both D and Q.
A sits second to the left of Q.
What is the position of Q with respect to C?

- Ans**
- ☒ A. Immediate right
 - ☒ B. Second to the right
 - ☒ C. Second to the left
 - ☒ D. Immediate left

Q.65 In a certain code language, 'TUNE' is coded as '5279' and 'WAIT' is coded as '1428'. What is the code for 'T' in the given code language?

- Ans**
- ☒ A. 8
 - ☒ B. 2
 - ☒ C. 5
 - ☒ D. 1

Q.66 What should come in place of the question mark (?) in the given series?

85 100 120 145 175 ?

- Ans**
- ☒ A. 215
 - ☒ B. 210
 - ☒ C. 205
 - ☒ D. 195

Q.67 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 73256, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☒ A. Two
 - ☒ B. One
 - ☒ C. None
 - ☒ D. Three

Q.68 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 7 3 6 2 9 5 1 3 5 2 1 7 8 4 6 5 7 9 4 3 1 4 6 7 2 9 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an even digit?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. One

Q.69 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 letter-cluster pair 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. NR-TX
 - ☒ B. KO-QU
 - ☒ C. GK-MQ
 - ☒ D. TX-YF

Q.70 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:

All helmets are nuts.

All helmets are bins.

Conclusions:

(I) Some nuts are bins.

(II) All bins are helmets.

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

Q.71 In a row of 55 people facing north, Nalini sits 20th from the right end. If Ranjit sits 18th from the left end of the line, how many people sit between Nalini and Ranjit?

- Ans**
- ☒ A. 14
 - ☒ B. 15
 - ☒ C. 17
 - ☒ D. 16

Q.72 MHSD is related to HDPB in a certain way based on the English alphabetical order. In the same way, LNPB is related to GJMZ. To which of the given options is SMUT related, following the same logic?

- Ans**
- ☒ A. NIRR
 - ☒ B. NIRQ
 - ☒ C. MJQQ
 - ☒ D. MJQR

Q.73 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 5 7 4 5 2 5 7 9 8 7 4 2 3 4 3 6 9 3 6 2 3 7 1 8 4 1 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. 5
 - ☒ B. 4
 - ☒ C. 2
 - ☒ D. 3

Q.74 If 'A' stands for 'x', 'B' stands for '+', 'C' stands for '-' and 'D' stands for '+', then what will come in place of question mark (?) in the following equation?

27 B 3 D 5 A 10 C 12 D 15 C 27 = ?

- Ans**
- ☒ A. 32
 - ☒ B. 35
 - ☒ C. 34
 - ☒ D. 36

Q.75 Mohak starts from Point A and drives 12 km towards the south. He then takes a left turn, drives 11 km, turns left and drives 15 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 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. 4 km to the east
 - ☐ B. 3 km to the west
 - ☐ C. 4 km to the west
 - ☒ D. 3 km to the east

Q.76 Six friends — Edwin, Preeti, Sunita, Jacob, Victoria, and Sagar — are sitting around a circular table facing the centre. Edwin is an immediate neighbour of both Preeti and Sunita. Jacob is sitting third to the left of Sunita. Victoria is sitting second to the right of Jacob. Who is sitting second to the left of Edwin?

- Ans**
- ☒ A. Victoria
 - ☐ B. Sagar
 - ☐ C. Preeti
 - ☐ D. Sunita

Q.77 What should come in place of the question mark (?) in the given series?

3 6 8 16 18 36 38 ?

- Ans**
- ☒ A. 76
 - ☐ B. 84
 - ☐ C. 56
 - ☐ D. 40

Q.78 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BZA 30 ZXY 41 XVW 52 VTU 63 ?

- Ans**
- ☐ A. TYE 73
 - ☐ B. TQR 73
 - ☐ C. TSR 74
 - ☒ D. TRS 74

Q.79 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JLO-QSV
TVY-ACF

- Ans**
- ☐ A. NOQ-UWZ
 - ☒ B. NPS-UWZ
 - ☐ C. NOQ-TVY
 - ☐ D. NPS-TWY

Q.80 Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right.

(Left) 5 2 8 1 6 3 7 9 4 2 8 7 1 9 6 4 3 5 9 8 2 1 1 7 6 3 (Right).

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Two
 - ☐ B. Three
 - ☒ C. Four
 - ☐ D. Five

Section : General Awareness and Current Affairs

Q.81 Which athlete clocked 58.11 seconds to win gold in women's 400 m hurdles at the 2025 National Games?

- Ans**
- ☐ A. Anjali Devi
 - ☐ B. Revathi Veeramani
 - ☒ C. Vithya Ramraj
 - ☐ D. Aishwarya Mishra

Q.82 Who captained India in the ICC Women's Cricket World Cup, 2025, in November 2025?

- Ans**
- ☐ A. Jhulan Goswami
 - ☒ B. Harmanpreet Kaur
 - ☐ C. Smriti Mandhana
 - ☐ D. Mithali Raj

Q.83 In 2025, Netaji Subhas Chandra Bose Jayanti, also celebrated as Parakram Diwas, falls on which date?

- Ans**
- ☐ A. 19 April
 - ☒ B. 23 January
 - ☐ C. 17 March
 - ☐ D. 21 February

Q.84 In 2025, which country tested a revolutionary hydrogen bomb that functions without traditional fissile materials like uranium or plutonium, using advanced fusion techniques such as magnesium hydride-based fusion?

- Ans**
- ☐ A. Russia
 - ☒ B. China
 - ☐ C. North Korea
 - ☐ D. The US

Q.85 Which of the following states won the highest number of medals overall (gold, silver, bronze combined) in National-Games 2025?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Maharashtra
 - ☐ C. Punjab
 - ☐ D. Uttarakhand

Q.86 Where did DRDO successfully conduct the maiden flight-tests of the Integrated Air Defence Weapon System (IADWS) on 23 August 2025?

- Ans**
- ☐ A. Goa Coast
 - ☐ B. Chennai Coast
 - ☒ C. Odisha Coast
 - ☐ D. Mumbai Coast

Q.87 According to the NITI Aayog press release (July 2025) on the second edition of the NER District SDG Index 2023–24, how are districts classified based on their SDG scores?

- Ans**
- ☐ A. Achiever 90–100; Front Runner 70–89; Performer 50–69; Aspirant <50
 - ☒ B. Achiever 100; Front Runner 65–99; Performer 50–65; Aspirant <50
 - ☐ C. Achiever 100; Front Runner 70–99; Performer 55–69; Aspirant <55
 - ☐ D. Achiever 95–100; Front Runner 60–94; Performer 45–59; Aspirant <45

Q.88 Which legendary surfer received the Lifetime Achievement Award at Laureus 2025?

- Ans**
- ☐ A. Mick Fanning
 - ☒ B. Kelly Slater
 - ☐ C. Tom Carroll
 - ☐ D. Stephanie Gilmore

Q.89 Which Union Minister inaugurated the Startup Mahakumbh 2025 and referred to his visit as “an experience of a lifetime”?

- Ans**
- ☐ A. Dharmendra Pradhan
 - ☐ B. Ashwini Vaishnaw
 - ☒ C. Piyush Goyal
 - ☐ D. Rajeev Chandrasekhar

Q.90 In 2025, senators from which of the following nations introduced the 'India Shrimp Tariff Act'?

- Ans**
- ☐ A. United Kingdom
 - ☐ B. Australia
 - ☒ C. United States
 - ☐ D. Canada

Q.91 When did IndusInd Bank launch its 'Indus StartUp Banking' programme aimed at supporting early-stage startups?

- Ans**
- ☒ A. August 2025
 - ☐ B. June 2025
 - ☐ C. April 2025
 - ☐ D. July 2025

Q.92 Which two countries initialed a peace agreement draft on 19 June 2025, aimed at ending conflict in eastern DR Congo?

- Ans**
- ☒ A. DR Congo and Rwanda
 - ☐ B. DR Congo and South Sudan
 - ☐ C. DR Congo and Burundi
 - ☐ D. DR Congo and Uganda

Q.93 As per the Sustainable Development Goals — National Indicator Framework Progress Report 2025, published in June 2025, the rise in internet subscriptions in the year 2024–25 primarily supports which of the following SDGs in India?

- Ans**
- ☐ A. SDG 13
 - ☐ B. SDG 6
 - ☐ C. SDG 1
 - ☒ D. SDG 9

Q.94 Who became the Chairperson of the 23rd Law Commission of India in April 2025?

- Ans**
- ☐ A. Hitesh Jain
 - ☐ B. Justice Ritu Raj Awasthi
 - ☐ C. Professor DP Verma
 - ☒ D. Justice Dinesh Maheshwari

Q.95 Which female athlete became the second woman in history to win the Laureus World Sportswoman of the Year four times by April 2025?

- Ans**
- ☒ A. Simone Biles
 - ☐ B. Naomi Osaka
 - ☐ C. Serena Williams
 - ☐ D. Rebeca Andrade

Q.96 In July 2025, which state government directed all department heads to ensure strict compliance with the Prevention of Sexual Harassment (POSH) Act, 2013 at workplaces to strengthen women's safety?

- Ans**
- ☐ A. Haryana
 - ☒ B. Odisha
 - ☐ C. Maharashtra
 - ☐ D. Kerala

Q.97 The Population Census, 2027, will include which major new component for the first time since 1931?

- Ans**
- ☐ A. Occupation-based mapping
 - ☒ B. Caste-based enumeration
 - ☐ C. Income-based classification
 - ☐ D. Religion-wise urban census

Q.98 Which stance did the Reserve Bank of India adopt after the April 2025 repo rate cut?

- Ans**
- ☐ A. Neutral
 - ☐ B. Withdrawn
 - ☐ C. Restrictive
 - ☒ D. Accommodative

Q.99 Under India's National Green Hydrogen Mission, what is the minimum annual green hydrogen production capacity targeted by 2030?

- Ans**
- ☐ A. 8 million metric tonnes (MMT) per year
 - ☐ B. 10 million metric tonnes (MMT) per year
 - ☒ C. 5 million metric tonnes (MMT) per year
 - ☐ D. 2 million metric tonnes (MMT) per year

Q.100 What is the name of India's first AI teacher introduced in 2024?

- Ans**
- ☒ A. Iris
 - ☐ B. Mira
 - ☐ C. Sophia
 - ☐ D. Eva



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	IT GATEWAY INC
Test Date	23/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I

*** Note**

Correct Answer will carry 1 mark per Question.

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

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

Section : General Science

Q.1 Which of the following correctly distinguishes binary fission from multiple fission in unicellular organisms?

- Ans**
- ☒ A. Binary fission results in many daughter cells, while multiple fission forms only two.
 - ☒ B. Binary fission produces two daughter cells, whereas multiple fission produces many daughter cells at once.
 - ☒ C. Binary fission occurs only in multicellular organisms, while multiple fission occurs in unicellular ones.
 - ☒ D. Binary fission requires spores, but multiple fission does not.

Q.2 Which of the following is true about the magnetic field around a current carrying solenoid?

- Ans**
- ☒ A. The direction of magnetic field associated with the solenoid can be reversed by reversing the direction of current flowing through it.
 - ☒ B. The field line pattern of the solenoid resembles the magnetic field line pattern of a straight current carrying wire.
 - ☒ C. The field associated with the solenoid can be increased by decreasing the number of turns in the solenoid.
 - ☒ D. The field in the core of the solenoid decreases from one end of the other end.

Q.3 Which of the following statements is correct?

- Ans**
- ☒ A. Pitch has no relation with frequency.
 - ☒ B. High pitch means high frequency.
 - ☒ C. High pitch means low frequency.
 - ☒ D. Low pitch means high frequency.

Q.4 Vinegar is a 5-8% solution of which of the following?

- Ans**
- ☒ A. Calcium carbonate in water
 - ☒ B. Sodium hydroxide in water
 - ☒ C. Acetic acid in water
 - ☒ D. Formic acid in water

Q.5 Which of the following statements about asexual reproduction is INCORRECT?

- Ans**
- ☒ A. It produces offspring that are genetically identical clones of the parent.
 - ☒ B. It involves only one parent.
 - ☒ C. Fission is a method of asexual reproduction.
 - ☒ D. It involves the fusion of male and female gametes.

Q.6 The number of protons in $^{12}_6\text{C}$ and $^{14}_6\text{C}$, respectively, are:

- Ans**
- ☐ A. 8 and 6
 - ☐ B. 7 and 7
 - ☒ C. 6 and 6
 - ☐ D. 6 and 8

Q.7 What is the formula unit mass of sodium chloride (NaCl)?

- Ans**
- ☒ A. 58.5u
 - ☐ B. 35.5u
 - ☐ C. 57u
 - ☐ D. 23u

Q.8 In animals, which of the following hormones are secreted during a scary situation?

- Ans**
- ☒ A. Adrenaline
 - ☐ B. Insulin
 - ☐ C. Thyroxin
 - ☐ D. Growth hormone

Q.9 A mass of 3 kg is lifted to a height of 12 m. What is the value of potential energy at the given height?

(Take $g = 10 \text{ m/s}^2$)

- Ans**
- ☐ A. 4.0 J
 - ☒ B. 360.0 J
 - ☐ C. 3.0 J
 - ☐ D. 36.0 J

Q.10 Consider the following statements and select the correct option.

Statement A: A neutralisation reaction occurs when an acid reacts with a base.

Statement B: Water and salt are formed during neutralisation.

- Ans**
- ☐ A. Statement A is incorrect but B is correct.
 - ☐ B. Both statements A and B are incorrect.
 - ☐ C. Statement A is correct but B is incorrect.
 - ☒ D. Both statements A and B are correct.

Q.11 If an object is placed at a distance 'u' from a convex lens, 'u' _____.

- Ans**
- ☐ A. depends on the type of image
 - ☒ B. is taken as negative
 - ☐ C. is taken as zero
 - ☐ D. is taken as positive

Q.12 A car's odometer shows 3000 km at the beginning of a journey and 3200 km at the end. If the journey takes 4 hours, what is the car's average speed?

- Ans**
- ☐ A. 75 km/hr
 - ☐ B. 100 km/hr
 - ☒ C. 50 km/hr
 - ☐ D. 25 km/hr

Q.13 Which of the following is a major condition for successful beekeeping?

- Ans
- ☐ A. Growing wheat and rice
 - ☐ B. Use of pesticides
 - ☒ C. Availability of flowering plants throughout the year
 - ☐ D. Presence of pollinating insects

Q.14 The cleansing action of soap is due to which of its properties?

- Ans
- ☐ A. High melting point
 - ☒ B. Ability to form micelles
 - ☐ C. Being a strong base
 - ☐ D. Being a strong acid

Q.15 Parenchyma cells contain large intercellular spaces for:

- Ans
- ☐ A. Protection and transpiration
 - ☐ B. Photosynthesis and support
 - ☒ C. Gas exchange and storage
 - ☐ D. Conduction and secretion

Q.16 Which of the following shows the correct formula for acceleration?

- Ans
- ☒ A. acceleration = change in velocity / time taken
 - ☐ B. acceleration = change in velocity $\times$ time
 - ☐ C. acceleration = force $\times$ mass
 - ☐ D. acceleration = distance / time

Q.17 What is the function of the nuclear membrane in a cell?

- Ans
- ☐ A. It prevents the entry of gases and water molecules into the nucleus.
 - ☐ B. It stores digestive enzymes for chromosomal activities.
 - ☐ C. It provides energy for nuclear division during mitosis.
 - ☒ D. It regulates the transfer of material between nucleus and cytoplasm.

Q.18 What is the primary function of lysosomes in a cell?

- Ans
- ☒ A. Digestion of foreign materials and worn-out organelles
 - ☐ B. Production of energy in the form of ATP molecules
 - ☐ C. Synthesis of proteins and lipids for cell membranes
 - ☐ D. Regulation of water and mineral balance within the cytoplasm

Q.19 Which component is used in a circuit to increase resistance and limit current?

- Ans
- ☐ A. Lamp
 - ☒ B. Resistor
 - ☐ C. Battery
 - ☐ D. Switch

Q.20 The measurable quantity 'Density' may be represented in the SI unit of:

- Ans
- ☐ A. kilograms per square metre
 - ☐ B. kilograms per metre
 - ☒ C. kilograms per cubic metre
 - ☐ D. grams per metre

Q.21 Which of the following is NOT explained by the law of gravitation?

- Ans**
- ☐ A. Tides in oceans
 - ☐ B. Artificial satellites revolving around the Earth
 - ☐ C. Falling of raindrops to the Earth
 - ☒ D. The electrostatic attraction between two charged bodies

Q.22 In a Closed System, if 15 gm of substance A reacts with 10 gm of substance B, the total mass of the products should be

- Ans**
- ☒ A. 25 gm
 - ☐ B. 10 gm
 - ☐ C. 15 gm
 - ☐ D. 0 gm

Q.23 Which of the following statements about Presbyopia is correct?

- Ans**
- ☐ A. It usually occurs in young children.
 - ☒ B. It occurs due to weakening of ciliary muscles and loss of lens flexibility.
 - ☐ C. It is corrected only by concave lenses.
 - ☐ D. The near point becomes less than 25 cm.

Q.24 In HIV infection, the 'window period' refers to the phase during which _____.

- Ans**
- ☒ A. HIV antibodies are not detectable in tests
 - ☐ B. HIV antibodies are detectable in tests
 - ☐ C. symptoms are severe
 - ☐ D. the patient dies

Q.25 How are the metals in the middle of the activity series usually extracted?

- Ans**
- ☒ A. By reduction using carbon
 - ☐ B. By heating alone
 - ☐ C. By electrolysis
 - ☐ D. By dissolving in water

Section : Mathematics

Q.26 If $\frac{x^4 + x^2 + 1}{x^2 + x + 1} = 3(2x + 5)$, then find the positive value of x.

- Ans**
- ☐ A. 3.5
 - ☐ B. 6
 - ☐ C. 2.8
 - ☒ D. 4

Q.27 One pipe can fill a tank in 5 minutes while another pipe can empty the completely filled tank in 10 minutes. If both the pipes are opened together when the tank is empty, then how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 6 minutes
 - ☐ B. 10 minutes
 - ☒ C. 5 minutes
 - ☐ D. 11 minutes

Q.28 For 11 innings, a cricketer has an average of 71 runs. In the 12th inning, he scores 119 runs. His average score increased by ____.

- Ans**
- ☐ A. 13
 - ☐ B. 5
 - ☐ C. 8
 - ☒ D. 4

Q.29 Two cylindrical vessels have the same capacity and identical dimensions. If the radius of the first vessel is increased by 14 cm and the height of the second vessel is increased by 30 cm, the increase in capacity for both vessels is equal to $Q \text{ cm}^3$. If the actual height of each vessel is 24 cm, find the value of Q.

- Ans**
- ☐ A. $23,502\pi$
 - ☐ B. $23,250\pi$
 - ☒ C. $23,520\pi$
 - ☐ D. $23,025\pi$

Q.30 A man buys 9 identical articles for a total of ₹16. If he sells each of them for ₹2.4, then his profit percentage will be ____%.

- Ans**
- ☐ A. 36
 - ☐ B. 26.92
 - ☒ C. 35
 - ☐ D. 25.92

Q.31 A and B can do a piece of work in 18 days, while A and C can do the same work in 12 days. If B and C together can complete the work in 48 days, how long will it take for A, B, and C working together to complete the work (rounded off to two decimal places)?

- Ans**
- ☐ A. 13.52 days
 - ☒ B. 12.52 days
 - ☐ C. 12.07 days
 - ☐ D. 12.92 days

Q.32 If 649 bananas were distributed among three monkeys in the ratio $\frac{1}{2} :$



- Ans**
- ☐ A. 374
 - ☒ B. 354
 - ☐ C. 324
 - ☐ D. 344

Q.33 The areas of three adjacent faces of a solid cuboid are 92 cm^2 , 69 cm^2 and 75 cm^2 . What is the volume (in cm^3) of the cuboid?

- Ans**
- ☐ A. 730
 - ☒ B. 690
 - ☐ C. 617
 - ☐ D. 843

Q.34 If the ratio of two numbers is 2:3 and their HCF is 6, then their LCM



- Ans**
- ☐ A. 6
 - ☐ B. 18
 - ☐ C. 16
 - ☒ D. 36

Q.35 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 14^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 2 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans** ☒ A. 12°
☐ B. 8°
☐ C. 3°
☐ D. 16°

Q.36 An agent sells a pressure cooker with a marked price of ₹8,460 at a discount of 20%. What is the selling price (in ₹) of the pressure cooker?

- Ans** ☐ A. 6,767
☐ B. 6,770
☐ C. 6,766
☒ D. 6,768

Q.37 A motorist travels 30 km in 50 minutes. He drives at a speed of x km/hr for the first 12 minutes, then at 2x km/hr for the next 22 minutes and finally at x km/hr for the remainder of the journey. Determine the value of x.

- Ans** ☒ A. 25
☐ B. 30
☐ C. 22
☐ D. 28

Q.38 If $9 : A :: A : 4$, then find the positive value of A.

- Ans** ☒ A. 6
☐ B. 8
☐ C. 5
☐ D. 7

Q.39 In an election, Candidate A secures 60% of the votes, Candidate B secures 30% of the votes, and Candidate C secures the remaining 10%. If the total number of votes cast in the election is 1,20,000, how many more votes did Candidate A receive than Candidate B?

- Ans** ☒ A. 36,000
☐ B. 28,000
☐ C. 21,000
☐ D. 32,000

Q.40 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 10 February 2023 to 24 April 2023.

- Ans** ☐ A. 29
☐ B. 26
☐ C. 27
☒ D. 28

Q.41 A father is three times as old as his son. After 12 years from now, he will be twice as old as his son. Find the present ages (in years) of the father and the son, respectively.

- Ans** ☒ A. 36 and 12
☐ B. 37 and 13
☐ C. 38 and 14
☐ D. 35 and 11

Q.42 If 10% of 30% of $\frac{2}{3}$ of a number is 537, find the number.

- Ans
- ☐ A. 29050
 - ☐ B. 28620
 - ☐ C. 27090
 - ☒ D. 26850

Q.43 The arithmetic mean of the observations 88, 99, 47, 79, 12, 79, 76, 17 and 61 is:

- Ans
- ☒ A. 62
 - ☐ B. 61
 - ☐ C. 66
 - ☐ D. 52

Q.44 A teacher is currently four times as old as one of her students. Five years ago, she was seven times as old as the same student was at that time. What is the teacher's current age (in years)?

- Ans
- ☐ A. 50
 - ☐ B. 35
 - ☒ C. 40
 - ☐ D. 45

Q.45 Simplify: $(3x + 2)^2$

- Ans
- ☒ A. $9x^2 + 12x + 4$
 - ☐ B. $4x^2 + 12x + 9$
 - ☐ C. $6x^2 + 12x + 4$
 - ☐ D. $9x^2 + 4x + 4$

Q.46 Find a single discount (approximately) equal to three consecutive discounts of 20%, 4% and 14%.

- Ans
- ☐ A. 36.60%
 - ☐ B. 33.42%
 - ☒ C. 33.95%
 - ☐ D. 33.18%

Q.47 If $\operatorname{cosec}\theta - \cot\theta = \frac{1}{11}$, and θ lies in the first quadrant, then find the value of $122 \cos\theta$.

- Ans
- ☐ A. 164
 - ☒ B. 120
 - ☐ C. 214
 - ☐ D. 231

Q.48 Two engines of trains 75 km apart start towards each other at speeds of 13 km/hr and 17 km/hr, respectively. After how much time will they meet each other? (Assume the length of engine is negligible.)

- Ans
- ☐ A. 146 minutes
 - ☐ B. 155 minutes
 - ☐ C. 143 minutes
 - ☒ D. 150 minutes

Q.49 How many numbers between 351 and 650 are divisible by 7?

- Ans**
- ☐ A. 92
 - ☐ B. 43
 - ☒ C. 42
 - ☐ D. 50

Q.50 A woodcutter earns ₹500 per day and spends 30% of his earning daily. What is his daily saving (in ₹)?

- Ans**
- ☐ A. 450
 - ☐ B. 355
 - ☒ C. 350
 - ☐ D. 150

Section : General Intelligence and Reasoning

Q.51 Eight people, A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. Only one person sits between A and B when counted from the left of A. E sits to the immediate right of B. Only two people sit between E and F when counted from the left of E. C sits third to the left of F. D sits to the immediate right of H. Who sits second to the right of G?

- Ans**
- ☒ A. E
 - ☐ B. A
 - ☐ C. H
 - ☐ D. F

Q.52 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 letter-cluster pair 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. LQ-MJ
 - ☐ B. NS-OL
 - ☒ C. RW-SO
 - ☐ D. PU-QN

Q.53 In a row of 103 students facing north, Z is 15th from the right end. If G is 36th to the left of Z, what is G's position from the left end of the line?

- Ans**
- ☐ A. 54th
 - ☐ B. 55th
 - ☒ C. 53rd
 - ☐ D. 52nd

Q.54 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEI51 , XYZ58 , RSW65 , LMQ72 , ?

- Ans**
- ☒ A. FGK79
 - ☐ B. FGL79
 - ☐ C. EGK79
 - ☐ D. FOK79

Q.55 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

UM-SK-PR
RJ-PH-MO

- Ans**
- ☐ A. MF-LD-IJ
 - ☐ B. NF-LD-IJ
 - ☒ C. NF-LD-IK
 - ☐ D. MF-LE-IJ

Q.56 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is E related to P if 'E % C # Q # L + P'?

- Ans**
- ☐ A. Wife's sister
 - ☐ B. Mother's mother
 - ☐ C. Wife's mother
 - ☒ D. Sister's husband

Q.57 What should come in place of the question mark (?) in the given series?

8 14 26 44 68 ?

- Ans**
- ☐ A. 102
 - ☒ B. 98
 - ☐ C. 88
 - ☐ D. 92

Q.58 Shivank starts from Point A and drives 15 km towards north. He then takes a left turn, drives 11 km, turns left and drives 16 km. He then takes a left turn and drives 14 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?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 2 km to the west
 - ☐ B. 4 km to the west
 - ☐ C. 1 km to the west
 - ☒ D. 3 km to the west

Q.59 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

BH - FM - JR
JP - NU - RZ

- Ans**
- ☐ A. RM - TQ - PR
 - ☐ B. PL - RN - TP
 - ☒ C. HN - LS - PX
 - ☐ D. BF - EI - HL

- Q.60** 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:

All caves are houses.
All houses are dens.
All dens are mansions.

Conclusions:

(I) All caves are mansions.
(II) Some mansions are houses.

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

- Q.61** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TRV RTR PVN NXJ ?

- Ans** ☒ A. KZF
☒ B. KAF
☒ C. LAF
☒ D. LZF

- Q.62** 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 letter-cluster pair 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. UV - WA
☒ B. BP - EU
☒ C. QL - SQ
☒ D. MB - OG

- Q.63** A man goes north for 3 km and reaches point B. Then he turns right, goes 10 km to reach point C. Next, he takes a right turn, goes 5 km to reach point D. Then he goes west for 3 km to reach point E. Finally, he turns right and goes 2 km to reach point F. In which direction is the man now with respect to the starting point?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☒ A. East
☒ B. West
☒ C. Southwest
☒ D. Southeast

- Q.64** 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?

37 B 12 D 824 A 8 C 128 = ?

- Ans** ☒ A. 462
☒ B. 499
☒ C. 471
☒ D. 469

Q.65 In a certain code language, 'lid ear urn' is coded as 'lw cc pg' and 'corn urn bird' is coded as 'qf wc cc'. How is 'urn' coded in that language?

- Ans**
- ☐ A. pg
 - ☐ B. lw
 - ☒ C. cc
 - ☐ D. qf

Q.66 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:

All jams are cobras.
All cobras are mats.

Conclusions:

(I): Some mats are cobras.
(II): All jams are mats.

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

Q.67 In a certain code language, 'CORN' is coded as '6479' and 'OILY' is coded as '2368'. What is the code for 'O' in the given code language?

- Ans**
- ☐ A. 2
 - ☒ B. 6
 - ☐ C. 8
 - ☐ D. 4

Q.68 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 5 7 5 9 8 2 3 4 6 5 8 7 7 1 2 5 5 8 9 8 8 4 5 4 6 4 3 6 7 (Right)

How many such odd 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. three
 - ☐ C. four
 - ☒ D. five

Q.69 Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of E. Only one person sits between A and C. F sits to the immediate left of E. A sits to the immediate right of D. C sits third to the right of B. Who sits at the extreme left end of the row?

- Ans**
- ☐ A. D
 - ☐ B. C
 - ☒ C. B
 - ☐ D. E

Q.70 What should come in place of the question mark (?) in the given series?

9 11 15 21 29 39 ?

- Ans** ☒ A. 55
☒ B. 51
☒ C. 58
☒ D. 56

Q.71 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?

76 A 2 C (30 A 6) B 4 D 39 A 3 C 15 = ?

- Ans** ☒ A. 60
☒ B. 45
☒ C. 70
☒ D. 65

Q.72 Sharad, Hemant, Anuj, Pradeep, and Vasant are discussing their assignment while sitting at a circular table facing the centre. Pradeep is sitting to the immediate right of Anuj and Vasant is sitting to the immediate right of Hemant. Sharad is second to the right of Anuj and immediately left of Hemant. Which of the following statement is correct?

- Ans** ☒ A. Hemant is the immediate neighbour of Sharad and Vasant.
☒ B. Vasant is the immediate neighbour of Sharad and Anuj.
☒ C. Pradeep is the immediate neighbour of Hemant and Vasant.
☒ D. Anuj is the immediate neighbour of Hemant and Pradeep.

Q.73 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 2 2 1 3 7 2 6 7 2 9 9 2 2 3 5 7 4 9 3 8 7 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans** ☒ A. 1
☒ B. 2
☒ C. 4
☒ D. 3

Q.74 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 13, 26)
(7, 9, 22)

- Ans** ☒ A. (12, 19, 6)
☒ B. (11, 17, 30)
☒ C. (10, 25, 38)
☒ D. (8, 11, 26)

Q.75 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 2 1 2 4 2 1 6 2 1 6 1 1 6 1 3 5 6 1 2 8 6 6 4 9 2 6 (Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans
- ☒ A. 4
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. 2

Q.76 What should come in place of the question mark (?) in the given series?

1, 4, 9, 16, 25, ?

- Ans
- ☒ A. 33
 - ☒ B. 38
 - ☒ C. 36
 - ☒ D. 42

Q.77 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$40 + 5 \div 7 - 108 \times 9 = ?$

- Ans
- ☒ A. 18
 - ☒ B. 17
 - ☒ C. 19
 - ☒ D. 13

Q.78 Refer to the following number series and answer the question that follows. Counting to be done from left to right. (All numbers are single-digit numbers only.)

(Left) 1 7 6 2 9 4 3 8 5 2 6 3 7 8 9 2 5 1 4 7 6 3 2 9 5 4 1 8 (Right)

How many such even digits are there each of which is immediately preceded by a perfect square and immediately followed by an odd digit?
(Note: 1 is also a perfect square)

- Ans
- ☒ A. One
 - ☒ B. Two
 - ☒ C. More than three
 - ☒ D. Three

Q.79 All 58 people are standing in a row facing north. Rizwan is 23rd from the right end, while Aman is 19th from the left end. How many people are there between Rizwan and Aman?

- Ans
- ☒ A. 16
 - ☒ B. 13
 - ☒ C. 14
 - ☒ D. 15

Q.80 OPNO is related to STRS in a certain way based on the English alphabetical order. In the same way, DECD is related to HIGH. To which of the given options is JKIJ related, following the same logic?

- Ans**
- ☒ A.>NNLN
 - ☒ B. NOMN
 - ☒ C. NPLS
 - ☒ D. NOLN

Section : General Awareness and Current Affairs

Q.81 The Eravikulam National Park, which emerged as one of the two top-performing protected areas in India in the Management Effectiveness Evaluation (MEE) conducted by the Wildlife Institute of India in June 2025, is home to which of the following species?

- Ans**
- ☒ A. Nilgiri Tahr
 - ☒ B. Indian one-horned Rhinoceros
 - ☒ C. Lion-tailed Macaque
 - ☒ D. Snow Leopard

Q.82 Who became the record-holder for the most international football wins, with 132, by a male player in March 2025?

- Ans**
- ☒ A. Lionel Messi
 - ☒ B. Sergio Ramos
 - ☒ C. Robert Lewandowski
 - ☒ D. Cristiano Ronaldo

Q.83 Which of the following organisations or ministries released the report titled 'India's Services Sector: Insights from GVA Trends and State-Level Dynamics' in October 2025?

- Ans**
- ☒ A. Ministry of Finance
 - ☒ B. Reserve Bank of India
 - ☒ C. NITI Aayog
 - ☒ D. Ministry of Statistics and Programme

Q.84 Which Glaswegian author released Hermit in 2025, dealing with themes of toxic masculinity and online misogyny?

- Ans**
- ☒ A. Ocean Vuong
 - ☒ B. Margaret McDonald
 - ☒ C. Chris McQueer
 - ☒ D. Nell Stevens

Q.85 Which football club was awarded the 2025 Laureus World Team of the Year?

- Ans**
- ☒ A. Paris Saint-Germain
 - ☒ B. Manchester City
 - ☒ C. FC Barcelona
 - ☒ D. Real Madrid

Q.86 Which state/Union Territory observed its 25th Foundation Day on 9 November 2025?

- Ans**
- ☒ A. Chhattisgarh
 - ☒ B. Ladakh
 - ☒ C. Uttarakhand
 - ☒ D. Jharkhand

Q.87 According to the Ministry of External Affairs (MEA) and the Ministry of Electronics and Information Technology (MeitY), which of the following city-states signed a "Comprehensive Strategic Partnership" with India, including MoUs in semiconductors, digital technology and skills development in September 2024?

- Ans**
- ✓ A. Singapore
 - ✗ B. Malaysia
 - ✗ C. Thailand
 - ✗ D. Indonesia

Q.88 In India, which High Court launched a dedicated portal for workplace sexual harassment complaints in July 2025 to empower women at work?

- Ans**
- ✓ A. Delhi High Court
 - ✗ B. Bombay High Court
 - ✗ C. Karnataka High Court
 - ✗ D. Calcutta High Court

Q.89 Who among the following was leading the Insurance Regulatory and Development Authority of India (IRDAI) until March 2025, after which key reforms stalled?

- Ans**
- ✗ A. Rakesh Kumar
 - ✓ B. Debasish Panda
 - ✗ C. Subhash Chandra
 - ✗ D. Sunil Mehta

Q.90 Who launched the Mukhya Mantrir Jiban Anuprerana Scheme in June 2025?

- Ans**
- ✓ A. Assam Chief Minister Himanta Biswa Sarma
 - ✗ B. Prime Minister of India
 - ✗ C. Assam Governor Lakshman Acharya
 - ✗ D. Education Minister of Assam

Q.91 Indian researchers have developed a novel lanthanum-doped silver niobate material to enhance the performance of which of the following energy storage devices?

- Ans**
- ✗ A. Solar panels
 - ✗ B. Fuel cells
 - ✗ C. Lithium-ion batteries
 - ✓ D. Supercapacitors

Q.92 In April 2025, the Indian government signed a Headquarters Agreement with which intergovernmental wildlife organisation to establish its headquarters in India?

- Ans**
- ✗ A. Global Cat Conservation Coalition
 - ✗ B. World Wildlife Fund Asia
 - ✓ C. International Big Cat Alliance
 - ✗ D. International Tiger Conservation Network

Q.93 In February 2025, which athlete broke her own women's 400 m National Games record, clocking 51.12 seconds to win gold?

- Ans**
- ✗ A. Jyothi Yarraji
 - ✗ B. Hima Das
 - ✗ C. Dutee Chand
 - ✓ D. Aishwarya Mishra

Q.94 Which fungal pathogen has been found to use chromosome alterations to resist common antifungal drugs like fluconazole and voriconazole?

- Ans**
- ☐ A. *Aspergillus fumigatus*
 - ☐ B. *Cryptococcus neoformans*
 - ☐ C. *Candida albicans*
 - ☒ D. *Candida tropicalis*

Q.95 As per the Sustainable Development Goals — National Indicator Framework Progress Report, 2025, published in June 2025, what was the percentage of the total waste processed during the year 2024–2025, indicating progress in waste management efficiency?

- Ans**
- ☐ A. 75.6%
 - ☐ B. 90.25%
 - ☐ C. 97.80%
 - ☒ D. 80.7%

Q.96 Which public space improvement was recommended in Chennai's Gender and Policy Lab manual during May–June 2025?

- Ans**
- ☐ A. Introduction of women-only bus services
 - ☐ B. Creation of parks for women exclusively
 - ☐ C. Deployment of aerial surveillance drones
 - ☒ D. Increased street lighting and safe toilets

Q.97 India launched its National Red List Roadmap at which of the following international events in 2025?

- Ans**
- ☐ A. G20 Environment Ministers' Summit
 - ☐ B. UN Climate Change Conference (COP30)
 - ☐ C. World Biodiversity Forum
 - ☒ D. IUCN World Conservation Congress

Q.98 In 2025, the seventh edition of the Khelo India Youth Games (KIYG) took place. Which Indian state served as the host for these games?

- Ans**
- ☐ A. Madhya Pradesh
 - ☐ B. Maharashtra
 - ☒ C. Bihar
 - ☐ D. Uttar Pradesh

Q.99 By what percentage did the All-India House Price Index increased annually in Q4 FY25, with Kolkata recording the highest price growth and Kochi witnessing a decline?

- Ans**
- ☐ A. 4.1%
 - ☐ B. 6.1%
 - ☒ C. 3.1%
 - ☐ D. 5.1%

Q.100 In 2025, which state decided to review the Shakti Bill, which was to protect children and women from crime?

- Ans**
- ☒ A. Maharashtra
 - ☐ B. Uttar Pradesh
 - ☐ C. Bihar
 - ☐ D. Tamil Nadu



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Rajadhani Institute of Engineering And Technology Block II
Test Date	23/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which pair of energy forms constitutes the total mechanical energy of an object?

- Ans
- ☐ A. Heat energy and Chemical energy
 - ☐ B. Electrical energy and Light energy
 - ☒ C. Potential energy and Kinetic energy
 - ☐ D. Nuclear energy and Sound energy

Q.2 In a parallel combination of resistors, which of the following quantities remains the same across all the resistors?

- Ans
- ☐ A. The power consumed (P)
 - ☐ B. The electric current (I)
 - ☐ C. The equivalent resistance (Req)
 - ☒ D. The potential difference (V)

Q.3 Which of the following statements is true about movement in the plant 'Touch me not'?

- Ans
- ☐ A. Plant movement takes place because roots absorb minerals.
 - ☐ B. Plant movement occurs because phloem transports food.
 - ☐ C. Plant movement happens due to growth of new xylem cells.
 - ☒ D. Plant movement happens due to changes in water content in cells.

Q.4 Consider the following statements and select the correct option.

Statement A: Sugarcane juice can be fermented to give alcohol (ethanol).

Statement B: Alcohol is added to petrol because it is a cleaner fuel.

- Ans
- ☒ A. Both statements A and B are correct.
 - ☐ B. Statement A is incorrect, but B is correct.
 - ☐ C. Both statements A and B are incorrect.
 - ☐ D. Statement A is correct, but B is incorrect.

Q.5 Four resistors of $5\ \Omega$, $15\ \Omega$, $20\ \Omega$ and $40\ \Omega$ are connected in series. The equivalent resistance is ____.

- Ans**
- ☒ A. $80\ \Omega$
 - ☐ B. $3\ \Omega$
 - ☐ C. $20\ \Omega$
 - ☐ D. $0.5\ \Omega$

Q.6 Which type of connective tissue connects muscles to bones?

- Ans**
- ☐ A. Blood
 - ☒ B. Tendon
 - ☐ C. Joints
 - ☐ D. Ligament

Q.7 A passenger in a moving bus falls forward when the bus suddenly stops. This is due to which of the following?

- Ans**
- ☒ A. Inertia of motion of the passenger
 - ☐ B. Friction between seat and passenger
 - ☐ C. Force applied by the bus
 - ☐ D. Gravity

Q.8 Which of the following correctly describes parenchyma, a simple permanent tissue?

- Ans**
- ☐ A. Parenchyma cells are highly specialised and tightly packed with no space between them.
 - ☒ B. Parenchyma is made of living, loosely arranged cells with thin walls that store food.
 - ☐ C. Parenchyma is a complex tissue found only in vascular bundles.
 - ☐ D. Parenchyma consists of dead, thick-walled cells without intercellular spaces.

Q.9 What is the benefit of seed dispersal in plants?

- Ans**
- ☐ A. It promotes the availability of mineral nutrients to plants.
 - ☐ B. It makes more water available to plants.
 - ☒ C. It enables plants to expand their distribution.
 - ☐ D. It increases competition between plants for sunlight.

Q.10 What are the main products formed when ethanol burns completely in air?

- Ans**
- ☒ A. Carbon dioxide and water
 - ☐ B. Ethane and water
 - ☐ C. Carbon monoxide and hydrogen
 - ☐ D. Oxygen and methane

Q.11 A person ignores regular vehicle maintenance. Which of the following is most likely to happen?

- Ans**
- ☐ A. Decreased pollution
 - ☐ B. Better tyre grip and less pollution
 - ☒ C. Poor engine performance
 - ☐ D. Increased fuel efficiency

Q.12 An ultrasonic wave has a frequency of $33\ \text{kHz}$. What will be the wavelength of this wave, if its speed is $330\ \text{m/s}$?

- Ans**
- ☐ A. $0.1\ \text{m}$
 - ☒ B. $0.01\ \text{m}$
 - ☐ C. $10\ \text{m}$
 - ☐ D. $100\ \text{m}$

Q.13 What happens to the gravitational force between two objects if both of their masses are doubled?

- Ans**
- ☒ A. The force becomes four times greater
 - ☐ B. The force becomes half
 - ☐ C. The force becomes quadruple
 - ☐ D. The force becomes double

Q.14 When an object is placed at the principal focus of a convex lens, the image is formed:

- Ans**
- ☐ A. Between F and O, virtual and erect.
 - ☐ B. At 2F, inverted, and magnified.
 - ☐ C. At the focus, inverted, and of same size.
 - ☒ D. At infinity, real, inverted, and highly enlarged.

Q.15 According to Newton's Second Law of Motion, force is given by the relation $F = ma$. If a body's velocity changes from u (initial velocity) to v (final velocity) in time t , which of the following expressions correctly gives the force acting on the body?

- Ans**
- ☐ A. $F = m(u-v)/t$
 - ☐ B. $F = t(v-u)/m$
 - ☐ C. $F = mt/(v-u)$
 - ☒ D. $F = m(v-u)/t$

Q.16 Which of the following is a correct property of solids?

- Ans**
- ☐ A. Solids have no fixed shape.
 - ☐ B. Solids diffuse easily.
 - ☒ C. Solids have strong intermolecular forces.
 - ☐ D. Solids are highly compressible.

Q.17 What is the main function of bile in human digestion?

- Ans**
- ☐ A. To convert glucose into glycogen in the liver
 - ☐ B. To mix food with saliva for easy swallowing
 - ☒ C. To make food alkaline and break down large fat globules
 - ☐ D. To digest proteins completely in the stomach

Q.18 Which method is commonly used for extracting moderately reactive metals such as iron from their ores?

- Ans**
- ☐ A. Direct heating of the metallic ore strongly in the presence of air
 - ☐ B. Electrolysis performed on the molten form of metal oxide ores
 - ☐ C. Dissolving and melting of the ore material in concentrated acids
 - ☒ D. Chemical reduction of the ore using carbon-based reducing agents

Q.19 A woman using a copper-T complains of abdominal pain and discomfort. What is the likely reason?

- Ans**
- ☐ A. Blockage in fallopian tube
 - ☒ B. Uterine irritation caused by the IUD
 - ☐ C. Hormonal imbalance due to tablets
 - ☐ D. Infection in the stomach

Q.20 Which of the following events directly triggers the process of menstruation?

- Ans**
- ☐ A. Release of sperm into the vagina
 - ☒ B. Non fertilisation of egg and hormonal changes
 - ☐ C. Maturation of the egg
 - ☐ D. Fertilisation of the egg

Q.21 Which of the following represents a straight chain hydrocarbon?

- Ans
- ☐ A. Cyclopentane
 - ☐ B. Benzene
 - ☐ C. Isobutane
 - ☒ D. Butane

Q.22 Which of the following is true for mixtures but NOT for compounds?

- Ans
- ☐ A. Components are present in fixed ratio.
 - ☐ B. New substances are formed.
 - ☒ C. Components can be separated by physical methods.
 - ☐ D. Components lose their individual properties.

Q.23 The sign convention for focal length of a concave lens _____.

- Ans
- ☐ A. is positive
 - ☒ B. is negative
 - ☐ C. is zero
 - ☐ D. depends on object position

Q.24 During evaporation, when the average kinetic energy of molecules decreases, what is the effect on temperature?

- Ans
- ☐ A. It will remain the same.
 - ☐ B. No effect on temperature.
 - ☒ C. It decreases.
 - ☐ D. It increases.

Q.25 In the reaction between aqueous sodium sulphate and aqueous barium chloride, which compound forms the white precipitate?

- Ans
- ☐ A. Sodium chloride (NaCl)
 - ☒ B. Barium sulphate (BaSO_4)
 - ☐ C. Sodium sulphate (Na_2SO_4)
 - ☐ D. Barium chloride (BaCl_2)

Section : Mathematics

Q.26 P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans
- ☐ A. 19
 - ☒ B. 9
 - ☐ C. 18
 - ☐ D. 10

Q.27 If $x = \sqrt{10} + 3$, then the value of $x^3 - \frac{1}{x^3}$ is:

- Ans
- ☐ A. 314
 - ☐ B. 284
 - ☐ C. 304
 - ☒ D. 234

Q.28 In a quadrilateral IJKL, $\angle I = 36^\circ$ and $\angle J = 44^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

- Ans**
- ☐ A. 55°
 - ☒ B. 40°
 - ☐ C. 34°
 - ☐ D. 54°

Q.29 What is the lowest form of the fraction $\frac{72}{96}$ obtained by cancelling the HCF of the numerator and denominator?

- Ans**
- ☒ A. $\frac{3}{4}$
 - ☐ B. $\frac{4}{5}$
 - ☐ C. $\frac{2}{3}$
 - ☐ D. $\frac{5}{8}$

Q.30 A shopkeeper buys a bag for ₹850 and sells it for ₹1,020. Find his profit percentage.

- Ans**
- ☐ A. 30%
 - ☐ B. 25%
 - ☐ C. 40%
 - ☒ D. 20%

Q.31 The number of prime numbers between 472 and 486 is:

- Ans**
- ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☒ D. 1

Q.32 Kiran spends 65% of his income. If he saves ₹42,000, then his income (in ₹) is:

- Ans**
- ☐ A. 1,21,000
 - ☐ B. 27,300
 - ☐ C. 1,19,000
 - ☒ D. 1,20,000

Q.33 Due to a water crisis, 40% of the initial population left the village and 35% of the remaining left the town to pursue a job. If presently 2340 people inhabit the village, what is the ratio of initial population to present population?

- Ans**
- ☒ A. 100:39
 - ☐ B. 103:43
 - ☐ C. 100:49
 - ☐ D. 105:40

- Q.34** A retailer offers the following discount schemes for buyers on an article. Which scheme will be the LEAST beneficial to the customer?
 i. A discount of 48%.
 ii. A discount of 31% followed by a discount of 44%.
 iii. Successive discounts of 32% and 21%.

Ans ☒ A. Scheme i
☒ B. Scheme iii and Scheme ii
☒ C. Scheme ii
☒ D. Scheme iii

- Q.35** The amount on a sum of ₹8,800 at 10% per annum compound interest, compounded annually, in 2 years will be:

Ans ☒ A. ₹10,648
☒ B. ₹9,757
☒ C. ₹11,225
☒ D. ₹10,012

- Q.36** A running track consists of two straight parallel segments, each 120 m long, connected at both ends by semicircular arcs. The inner perimeter of the track is 504 m. If the track has a uniform width of 18 m throughout, find the outer perimeter (in m, rounded off to the nearest tens) of the track.

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

Ans ☒ A. 620
☒ B. 610
☒ C. 590
☒ D. 600

- Q.37** Simplify: $\sqrt{2} + \frac{1}{\sqrt{2}} + \frac{1}{2 + \sqrt{2}} - \frac{1}{2 - \sqrt{2}}$

Ans ☒ A. $\sqrt{2}$
☒ B. $2\sqrt{2}$
☒ C. $\frac{1}{\sqrt{2}}$
☒ D. $3\sqrt{2}$

- Q.38** If $\tan\theta = \frac{1}{2}$, then $\frac{\cos\theta - \sin\theta}{\sin\theta + \cos\theta}$ is equal to:

Ans ☒ A. $\frac{1}{3}$
☒ B. $\frac{2}{5}$
☒ C. $\frac{2}{3}$
☒ D. $\frac{1}{5}$

- Q.39** ₹6,129 is divided among P, Q and R in such a way that if ₹71, ₹38 and ₹20 is deducted from their respective shares, they have money in the ratio 14:3:8. Find the difference between the original shares of Q and R.

Ans ☒ A. ₹1,050
☒ B. ₹1,150
☒ C. ₹1,100
☒ D. ₹1,182

Q.40 Two trains are running in opposite directions at speeds of 72 km/hr and 108 km/hr, respectively. The length of the first train is 150 m, and the length of the second train is 200 m. How much time will they take to cross each other?

- Ans**
- ☐ A. 9 seconds
 - ☐ B. 5 seconds
 - ☐ C. 14 seconds
 - ☒ D. 7 seconds

Q.41 Mohan is twice as old as Suresh. Four years ago, the sum of their ages was 40. What is the present age of Suresh?

- Ans**
- ☐ A. 32 years
 - ☒ B. 16 years
 - ☐ C. 18 years
 - ☐ D. 24 years

Q.42 Ajay, Maya and Mohan started a business in partnership investing in the ratio of 11 : 16 : 6, respectively. At the end of the year, they earned a profit of ₹69,300, which is 70% of their total investment. How much did Maya invest (in ₹)?

- Ans**
- ☐ A. 47,850
 - ☐ B. 47,872
 - ☐ C. 48,184
 - ☒ D. 48,000

Q.43 Two trains are travelling towards each other on parallel tracks, 9660 kilometres apart. Train A initially travels at 80 km/hr, and Train B initially travels at 60 km/hr. If Train A's speed is reduced by 10% and Train B's speed is increased by 10%, what is the ratio of the time taken for the trains to meet initially to the time taken after their speed adjustments?

- Ans**
- ☐ A. 70:69
 - ☒ B. 69:70
 - ☐ C. 69:68
 - ☐ D. 68:69

Q.44 A spherical water tank has a radius of 21 metres. Calculate the volume of the tank. (Use $\pi = \frac{22}{7}$)

- Ans**
- ☒ A. 38,808
 - ☐ B. 30,800
 - ☐ C. 38,800
 - ☐ D. 30,808

Q.45 If the ratio of the mode and median of a certain data is 11:9, then find

- Ans**
- ☐ A. 7:9
 - ☒ B. 8:9
 - ☐ C. 7:8
 - ☐ D. 11:8

Q.46 The monthly incomes of two friends Rupesh and Manjit, are in the ratio 5 : 8, respectively, and each of them saves ₹84,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Rupesh (in ₹).

- Ans**
- ☐ A. 1,68,000
 - ☐ B. 1,19,000
 - ☐ C. 1,21,000
 - ☒ D. 1,20,000

Q.47 A money box contains only ₹2 coins and ₹5 coins. There are 20 coins in total, and their combined value is ₹70. How many ₹2 coins are there?

- Ans**
- ☒ A. 10
 - ☐ B. 5
 - ☐ C. 15
 - ☐ D. 12

Q.48 An agent sells a pressure cooker with a marked price of ₹8,460 at a discount of 30%. What is the selling price (in ₹) of the pressure cooker?

- Ans**
- ☐ A. 6,768
 - ☒ B. 5,922
 - ☐ C. 6,367
 - ☐ D. 6,166

Q.49 A can complete a piece of work in 24 days, B in 18 days and C in 36 days. All of them started working together. After working for 4 days, A left the work. B and C continued, but B left 3 days before the completion of the work. How long (in days) did the work last?

- Ans**
- ☒ A. 12
 - ☐ B. 11
 - ☐ C. 13
 - ☐ D. 14

Q.50 The arithmetic mean of the observations 94, 59, 46, 34, 15, 55, 89, 98 and 68 is:

- Ans**
- ☒ A. 62
 - ☐ B. 63
 - ☐ C. 60
 - ☐ D. 67

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'video oak bell' is coded as ' of br mw' and 'hair bell dew' is coded as 'br ui ee'. How is 'bell' coded in the given language?

- Ans**
- ☐ A. mw
 - ☐ B. ui
 - ☒ C. br
 - ☐ D. of

Q.52 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ASE KCO UMY EWI ?

- Ans**
- ☒ A. OGS
 - ☐ B. OSG
 - ☐ C. OGY
 - ☐ D. OGT

Q.53 A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the right of A. E sits to the immediate left of D. D is not an immediate neighbour of A. F sits to the immediate right of C. The position of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A (including A)?

- Ans**
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. Four
 - ☒ D. One

Q.54 Mudit starts from Point Y and drives 92 km towards South. He then takes a left turn, drives 59 km, turns left and drives 38 km. He then takes a right turn and drives 28 km. He then turns left, drives 54 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 84 km towards west
 - ☒ B. 79 km towards east
 - ☒ C. 91 km towards east
 - ☒ D. 87 km towards west

Q.55 What should come in place of the question mark (?) in the given series?

119 110 102 95 ? 84 80

- Ans**
- ☒ A. 89
 - ☒ B. 90
 - ☒ C. 87
 - ☒ D. 86

Q.56 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 pens are combs.

All shirts are tails.

All combs are shirts.

Conclusions:

(I) Some tails are combs.

(II) Some shirts are pens.

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

Q.57 Seven boxes, L, M, N, O, Q, R and S, are kept one over the other, but not necessarily in the same order. L is kept immediately above O. Only M is kept below R. N is kept immediately above Q. Only two boxes are kept above L. How many boxes are kept between S and N?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.58 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LR21 MS30 NT39 OU48 ?

- Ans**
- ☒ A. PU58
 - ☒ B. PV58
 - ☒ C. PV57
 - ☒ D. PU57

Q.59 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 6 3 3 £ * 9 € £ € \$ 9 @ 7 4 5 # 9 2 1 £ 7 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☒ A. 4
 - ☒ B. 3
 - ☒ C. 2
 - ☒ D. 1

Q.60 What should come in place of the question mark (?) in the given series?

0 5 15 30 ? 75

- Ans**
- ☒ A. 55
 - ☒ B. 50
 - ☒ C. 40
 - ☒ D. 45

Q.61 LMQR is related to VWAB in a certain way based on the English alphabetical order. In the same way, IJNO is related to STXY. To which of the given options is HIMN related, following the same logic?

- Ans**
- ☒ A. RTVE
 - ☒ B. RRVX
 - ☒ C. RSVX
 - ☒ D. RSWX

Q.62 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 letter-cluster pair 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. XV – AC
 - ☒ B. OM – VS
 - ☒ C. FD – MJ
 - ☒ D. DB – KH

- Q.63** In a certain code language,
'A x B' means 'A is the wife of B',
'A - B' means 'A is the daughter of B',
'A ÷ B' means 'A is the father of B' and
'A + B' means 'A is the son of B'.

How is L related to Q if 'L + M - N x P ÷ Q'?

- Ans** ☒ A. Brother's son
☒ B. Daughter's husband
☒ C. Sister's son
☒ D. Daughter's son

- Q.64** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$59 \div 11 + 833 \times 7 - 24 = ?$$

- Ans** ☒ A. 554
☒ B. 512
☒ C. 547
☒ D. 536

- Q.65** In a car park, vehicle A is to the west of vehicle B. Vehicle C is to the east of vehicle B. Vehicle D is to the north of vehicle B. Vehicle E is to the south of vehicle C. Vehicle F is to the north of vehicle C. What is the position of vehicle E with respect to vehicle A?

- Ans** ☒ A. North-east
☒ B. South-east
☒ C. East
☒ D. South

- Q.66** In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DUAL - ULDA - ADUL
RATE - AERT - TRAE

- Ans** ☒ A. GROW - ROWG - ORGW
☒ B. ROAD - ODRA - AROD
☒ C. VIEW - WVIE - EWIV
☒ D. RENT - RTEN - ENRT

- Q.67** 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. EKN
☒ B. OUX
☒ C. FLQ
☒ D. TZC

Q.68 In a certain code language, 'trust brings peace' is coded as 'tg dx pm' and 'find trust within' is coded as 'pm av wj'. How is 'trust' coded in that language?

- Ans** ☒ A. pm
☐ B. dx
☐ C. tg
☐ D. av

Q.69 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?

$$3 P 9 R (14 Q 2) P 6 S 80 Q 5 S 4 P 10 = ?$$

- Ans** ☐ A. 52
☐ B. 33
☐ C. 59
☒ D. 41

Q.70 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$4 \div 2 + 15 \times 5 - 8 = ? + 5$$

- Ans** ☐ A. 8
☐ B. 4
☐ C. 12
☒ D. 18

Q.71 Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 8 7 6 3 9 3 2 8 2 9 4 5 6 5 4 1 3 5 9 7 9 9 4 2 5 3 6 1 7 2 (Right)

How many such odd numbers are there, each of which is immediately preceded by a perfect square and also immediately followed by an even number? (NOTE: 1 is also a perfect square.)

- Ans** ☐ A. One
☐ B. Three
☒ C. More than three
☐ D. Two

Q.72 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 2 2 4 3 9 4 3 8 9 5 5 6 5 3 7 5 3 9 6 6 5 3 1 8 1 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☒ A. 2
☐ B. 3
☐ C. 4
☐ D. 1

Q.73 Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the line?

- Ans** ☒ A. C
☐ B. D
☐ C. E
☐ D. A

Q.74 What should come in place of the question mark (?) in the given series?

1, 3, 7, 15, 31, ?

- Ans** ☐ A. 65
☐ B. 58
☒ C. 63
☐ D. 55

Q.75 Seven boxes A, B, C, D, M, N and O are kept one over the other but not necessarily in the same order. B is kept second from the bottom. Only three boxes are kept between B and A. O is kept at one of the positions below B. Only C is kept between A and D. M is kept at one of the positions above A. How many boxes are kept between N and A?

- Ans** ☒ A. Two
☐ B. One
☐ C. Three
☐ D. Four

Q.76 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 Mercuries are Venuses.
All Venuses are Earths.
No Earth is Mars.

Conclusions:

(I) Some Mercuries are Earths.
(II) No Venus is Mars.

- 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.77 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GAN : KVR
OQV : SLZ

- Ans** ☐ A. LZA : QVF
☐ B. NEQ : RCU
☐ C. HTV : LQZ
☒ D. WGD : ABH

Q.78 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit between D and B. C sits to the immediate left of B. Only one person sits between C and A. F sits at some place to the left of G but at some place to the right of E. How many people sit to the right of A?

- Ans**
- ☐ A. 4
 - ☐ B. 1
 - ☒ C. 3
 - ☐ D. 2

Q.79 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 3, 16)
(7, 2, 15)

- Ans**
- ☐ A. (8, 5, 30)
 - ☐ B. (4, 3, 9)
 - ☐ C. (6, 8, 43)
 - ☒ D. (3, 4, 13)

Q.80 This question is based on the five, three-digit numbers given below.

(Left) 324 526 249 267 185 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 11
 - ☐ B. 12
 - ☐ C. 13
 - ☒ D. 14

Section : General Awareness and Current Affairs

Q.81 Which former RBI Governor became PM's Principal Secretary, signaling strong economic emphasis in February 2025?

- Ans**
- ☐ A. Manmohan Singh
 - ☐ B. YV Reddy
 - ☐ C. Urjit Patel
 - ☒ D. Shaktikanta Das

Q.82 In the 2025 Asian Athletics Championships held in Gumi, South Korea, Tejaswin Shankar made history by becoming the first Indian to win two medals in which specific athletics event?

- Ans**
- ☐ A. Pentathlon
 - ☐ B. Heptathlon
 - ☒ C. Decathlon
 - ☐ D. Triathlon

Q.83 Where did the RBI relocate its Andhra Pradesh Regional Office in June 2025?

- Ans**
- ☐ A. Visakhapatnam
 - ☐ B. Guntur
 - ☒ C. Vijayawada
 - ☐ D. Amaravati

Q.84 The Indian Space Research Organisation (ISRO) is seeking to collaborate with the European Space Agency (ESA) on which of the following missions to track and study the Apophis asteroid, which is slated to make a close encounter with Earth in 2029?

- Ans**
- ☐ A. Kopunegar mission
 - ☒ B. Ramses mission
 - ☐ C. Zuris mission
 - ☐ D. Cristono mission

Q.85 In 2025, which organisation reintroduced the SPREE initiative and launched the Amnesty Scheme – 2025 to expand social security coverage for workers?

- Ans**
- ☐ A. Employees Provident Fund Organisation
 - ☐ B. Ministry of Labour and Employment
 - ☒ C. Employees' State Insurance Corporation
 - ☐ D. NITI Aayog

Q.86 At which event was the ENDOVEDA platform for efficient endoscopy reporting unveiled in July 2025?

- Ans**
- ☐ A. India Health Conclave, New Delhi
 - ☐ B. MedTech Expo 2025, Bengaluru
 - ☒ C. Endocon 2025, Jaipur
 - ☐ D. Global Gastro Summit, Hyderabad

Q.87 For which novel did David Szalay receive the Booker Prize in 2025?

- Ans**
- ☒ A. Flesh
 - ☐ B. Heart Lamp
 - ☐ C. The Sea of Trees
 - ☐ D. Last Empire

Q.88 Which of the following sectors is given special focus under the Employment Linked Incentive (ELI) Scheme launched in 2025?

- Ans**
- ☐ A. Tourism
 - ☐ B. Agriculture
 - ☐ C. Banking
 - ☒ D. Manufacturing

Q.89 Who was conferred the Padma Shri in 2025 for revitalising Kani shawl weaving in the field of Art and Literature?

- Ans**
- ☐ A. Bhimavva Doddabalappa Shillekyathara
 - ☒ B. Farooq Ahmad Mir
 - ☐ C. Bheru Singh Chouhan
 - ☐ D. Stephen Knapp

Q.90 According to the Sustainable Development Report, 2025, what is India's rank on the SDG Index and what is its approximate score?

- Ans**
- ☐ A. 89th with score ≈ 70.10
 - ☐ B. 79th with score ≈ 72.30
 - ☐ C. 109th with score ≈ 62.00
 - ☒ D. 99th with score ≈ 66.95

Q.91 In 2025, the maiden flight-tests of the Integrated Air Defence Weapon System (IADWS) by Defence Research and Development Organisation (DRDO) were conducted off the coast of which of the following states of India?

- Ans**
- ☐ A. West Bengal
 - ☒ B. Odisha
 - ☐ C. Tamil Nadu
 - ☐ D. Gujarat

Q.92 According to the India Meteorological Department (IMD), in October 2025, severe cyclonic storm "Montha" crossed the Andhra Pradesh coast between which two locations?

- Ans**
- ☐ A. Chennai and Puducherry
 - ☐ B. Paradip and Digha
 - ☒ C. Machilipatnam and Kalingapatnam
 - ☐ D. Visakhapatnam and Gopalpur

Q.93 Which Indian cricketer became only the second wicketkeeper in Test history to score centuries in both innings during the first Test against England at Headingley in June 2025?

- Ans**
- ☒ A. Rishabh Pant
 - ☐ B. Ishan Kishan
 - ☐ C. KL Rahul
 - ☐ D. Wriddhiman Saha

Q.94 In March 2025, the Parliament passed the Banking Laws (Amendment) Bill. It amended the Reserve Bank of India Act, 1934, and _____.

- Ans**
- ☒ A. Banking Regulation Act, 1949
 - ☐ B. Negotiable Instruments Act, 1881
 - ☐ C. Companies Act, 2013
 - ☐ D. Payment and Settlement Systems Act, 2007

Q.95 Which organisation expressed serious concerns about the potential escape of Ebola samples in Goma, Democratic Republic of Congo?

- Ans**
- ☐ A. Doctors Without Borders
 - ☒ B. International Committee of the Red Cross (ICRC)
 - ☐ C. World Health Organization (WHO)
 - ☐ D. United Nations Children's Fund (UNICEF)

Q.96 Which former Olympic swimmer was elected as the first female and African President of the IOC in March 2025?

- Ans**
- ☐ A. Penny Heyns
 - ☐ B. Cathy Freeman
 - ☐ C. Inge de Bruijn
 - ☒ D. Kirsty Coventry

Q.97 In November 2025, the Supreme Court of India held that every arrested individual must be provided with the written grounds of arrest in which language?

- Ans**
- ☐ A. Any official language of the state
 - ☒ B. A language understood by the arrested person
 - ☐ C. The language of the arresting officer's choice
 - ☐ D. English only

Q.98 What new title did the Amendment give to the Waqf Act, 1995?

- Ans**
- ☐ A. Waqf Efficiency and Reform Act, 1995
 - ☐ B. Unified Waqf Empowerment Act and management of Waqf properties and boards, 1995
 - ☐ C. United Waqf Administration Act, 1995
 - ☒ D. United Waqf Management, Empowerment, Efficiency and Development Act, 1995

Q.99 Which of the following teams was the runner-up of the 18th Edition of the Indian Premier League in 2025?

- Ans**
- ☐ A. Chennai Super Kings
 - ☐ B. Sunrisers Hyderabad
 - ☐ C. Gujarat Titans
 - ☒ D. Punjab Kings

Q.100 In which of the following Sustainable Development Goals (SDGs) is India on track or maintaining SDG achievement, as per the Sustainable Development Report 2025?

- Ans**
- ☒ A. SDG 1
 - ☐ B. SDG 9
 - ☐ C. SDG 13
 - ☐ D. SDG 14



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Duhai
Test Date	23/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 The reaction between sodium sulphate and barium chloride is an example of double displacement reaction. This is also an example of:

Ans ☒ A. displacement reaction

☒ B. precipitation reaction

☒ C. combination reaction

☒ D. decomposition reaction

Q.2 In a metallic wire obeying Ohm's Law, if the resistance remains constant, reducing the potential difference across its terminals to one-half of its former value will result in what change in the current flowing through it?

Ans ☒ A. The current reduces to one-fourth of its former value.

☒ B. The current doubles.

☒ C. The current remains constant.

☒ D. The current reduces to one-half of its former value.

Q.3 Who first described the nucleus as a cell organelle in 1831?

Ans ☒ A. Robert Hooke

☒ B. Anton van Leeuwenhoek

☒ C. Rudolf Virchow

☒ D. Robert Brown

Q.4 Which of the following conditions is essential for rusting of iron?

Ans ☒ A. Only air

☒ B. Only water

☒ C. Dry air only

☒ D. Both air and water

Q.5 Why are ceilings of concert halls often made curved?

Ans ☒ A. To absorb sound and reduce loudness

☒ B. To reflect sound uniformly in all directions

☒ C. To completely stop reverberation

☒ D. To reduce the speed of sound in air

Q.6 Two objects of mass 100 kg each are separated by a distance of 1 m. What will be the magnitude of the gravitational force between the two objects? (Take the value of G as $6.67 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$)

- Ans**
- ☐ A. $6.67 \times 10^9 \text{ N}$
 - ☐ B. $6.67 \times 10^7 \text{ N}$
 - ☐ C. $6.67 \times 10^{-9} \text{ N}$
 - ☒ D. $6.67 \times 10^{-7} \text{ N}$

Q.7 Select the option that balances the following reaction.



- Ans**
- ☐ A. $x=1, y=1, z=1$
 - ☐ B. $x=1, y=1, z=2$
 - ☒ C. $x=2, y=1, z=1$
 - ☐ D. $x=2, y=2, z=1$

Q.8 Which of the following metals, according to the reactivity series, is the most reactive?

- Ans**
- ☒ A. Potassium
 - ☐ B. Iron
 - ☐ C. Zinc
 - ☐ D. Copper

Q.9 The blue colour of the sky appears due to:

- Ans**
- ☐ A. refraction of light by air molecules
 - ☐ B. reflection of light by air molecules
 - ☒ C. scattering of shorter wavelength of sunlight by air molecules
 - ☐ D. absorption of blue light by air molecules

Q.10 The sign of acceleration depends on its direction relative to velocity. Which of the following is correct?

- Ans**
- ☐ A. Acceleration is negative if it is in the direction of velocity.
 - ☐ B. Acceleration is always positive, irrespective of direction.
 - ☒ C. Acceleration is positive if it is in the direction of velocity, and negative if it is opposite.
 - ☐ D. Acceleration is positive if it is opposite to the direction of velocity.

Q.11 In which of the following plants, seed is dispersed by the bursting of fruits?

- Ans**
- ☐ A. Xanthium
 - ☐ B. Sunflower
 - ☐ C. Urena
 - ☒ D. Castor

Q.12 Which of the following is a physical property of metals?

- Ans**
- ☒ A. Highly ductile and malleable
 - ☐ B. Poor conductor of heat and brittle
 - ☐ C. Form gases at room temperature
 - ☐ D. Soft and break with light force

Q.13 Which of the following best describes the function of nervous tissue?

- Ans
- ☐ A. It protects internal organs from mechanical injury.
 - ☐ B. It stores energy in the form of fat globules.
 - ☒ C. It transmits information rapidly from one body part to another.
 - ☐ D. It provides rigidity and strength to the body framework.

Q.14 Which of the following breeds of cows is resistant to diseases?

- Ans
- ☒ A. Red Sindhi
 - ☐ B. Jersey
 - ☐ C. Brown Swiss
 - ☐ D. Aseel

Q.15 How is the work done by a force calculated?

- Ans
- ☒ A. $\text{Work} = \text{force} \times \text{displacement}$
 - ☐ B. $\text{Work} = \text{force} + \text{displacement}$
 - ☐ C. $\text{Work} = \text{force} \div \text{displacement}$
 - ☐ D. $\text{Work} = \text{displacement} \div \text{force}$

Q.16 Which of the following is NOT correct?

- Ans
- ☐ A. A bulb glows only in a closed circuit.
 - ☐ B. In the electrical circuit, the direction of current is taken from the positive to the negative terminal.
 - ☒ C. In the electrical circuit, the voltmeter is connected in series with the component.
 - ☐ D. In the electrical circuit, if the switch is open, no current flows.

Q.17 The Chipko Andolan refers to which of the following?

- Ans
- ☐ A. Government-sponsored environmental protection schemes
 - ☒ B. Active participation of local communities in protecting forests
 - ☐ C. Government-sponsored water harvest schemes
 - ☐ D. Use of advanced technologies for reducing environmental pollution

Q.18 Which of the following is classified as an element?

- Ans
- ☐ A. Air
 - ☒ B. Copper
 - ☐ C. Salt
 - ☐ D. Water

Q.19 Which of the following statements is INCORRECT about regeneration?

- Ans
- ☐ A. Regeneration involves specialised cells and requires cell division.
 - ☐ B. In complex animals, regeneration is limited to repair of tissues, not formation of a whole organism.
 - ☒ C. Dogs can regrow lost body parts and form whole new individuals.
 - ☐ D. Fragmentation occurs in simple multicellular organisms like Spirogyra.

Q.20 What determines the sex of a child in humans?

- Ans
- ☒ A. Father's sperm
 - ☐ B. Mitochondrial DNA
 - ☐ C. Mother's ovum
 - ☐ D. Number of autosomes

Q.21 What is the function of plasma in human blood?

- Ans**
- ☐ A. It helps in clotting blood during injuries.
 - ☐ B. It carries oxygen from lungs to all parts of the body.
 - ☒ C. It transports food, carbon dioxide and waste materials.
 - ☐ D. It maintains the oxygen-rich blood supply to tissues.

Q.22 Newton's third law of motion deals with the nature of ____.

- Ans**
- ☐ A. a single object resisting a change in motion
 - ☐ B. the force of gravity acting on a falling object
 - ☒ C. forces always occurring in pairs
 - ☐ D. the relationship between mass and acceleration

Q.23 Formula unit mass is:

- Ans**
- ☐ A. the sum of the atomic number of all atoms in a formula unit of a compound
 - ☐ B. the sum of the number of electrons of all atoms in a formula unit of a compound
 - ☐ C. the sum of the number of protons of all atoms in a formula unit of a compound
 - ☒ D. the sum of the atomic masses of all atoms in a formula unit of a compound

Q.24 An object is placed 10 cm from a concave lens of focal length 15 cm. Which statement about the image is correct?

- Ans**
- ☐ A. Image is real, inverted and larger than the object.
 - ☐ B. Image is virtual, erect and larger than the object.
 - ☒ C. Image is virtual, erect and smaller than the object.
 - ☐ D. Image is real, inverted and smaller than the object.

Q.25 Which statement correctly defines the process of evaporation?

- Ans**
- ☐ A. It requires the liquid to freeze before changing to the gas form
 - ☐ B. It takes place only at the boiling temperature of a liquid
 - ☐ C. It changes solids directly into vapors upon heating strongly
 - ☒ D. It changes a liquid to gas from the surface below boiling point

Section : Mathematics

Q.26 A park, in the shape of a quadrilateral ABCD, has $\angle C = 90^\circ$, $AB = 36$ m, $BC = 42$ m, $CD = 40$ m and $AD = 36$ m. What is the area (in m^2 , rounded off to 1 decimal place) of the park?

- Ans**
- ☐ A. 1485.6
 - ☒ B. 1458.6
 - ☐ C. 1584.6
 - ☐ D. 1548.6

Q.27 Two pipes can fill a cistern, individually, in 96 min and 64 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 48 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☐ A. 201 min
 - ☐ B. 207 min
 - ☐ C. 175 min
 - ☒ D. 192 min

Q.28 A person sells an article for ₹3,450 and earns a profit of 15%. Find the cost price of the article.

- Ans**
- ☐ A. ₹2,980
 - ☐ B. ₹2,860
 - ☒ C. ₹3,000
 - ☐ D. ₹2,900

Q.29 The amount on a sum of ₹2,000 at 5% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹2,880
 - ☒ B. ₹2,205
 - ☐ C. ₹2,886
 - ☐ D. ₹3,039

Q.30 A shopkeeper offers the following four schemes:

- A) Two successive discounts of 39% and 8%
- B) Buy 8, get 4 free
- C) A single discount of 16%
- D) Two successive discounts of 38% and 34%

Which scheme is best for the shopkeeper?

- Ans**
- ☐ A. A
 - ☐ B. D
 - ☐ C. B
 - ☒ D. C

Q.31 Two trains 259 m and 431 m long are running in opposite directions at a speed of 52 km/h and 56 km/h, respectively. They cross each other in:

- Ans**
- ☒ A. 23 seconds
 - ☐ B. 34 seconds
 - ☐ C. 18 seconds
 - ☐ D. 22 seconds

Q.32 The total cost of 10 mangoes and 13 apples is ₹134 and the cost of 4 apples is ₹13 less than that of 15 mangoes. Then find the price (in rupees) of a mango and an apple, respectively.

- Ans**
- ☐ A. 3.50, 5
 - ☒ B. 3, 8
 - ☐ C. 4, 5.60
 - ☐ D. 2, 7

Q.33 The salaries of X, Y and Z are in the ratio 4:18:21. If the increments of 90%, 90% and 40% are allowed, respectively, in their salaries, then what will be the new ratio of their salaries?

- Ans**
- ☒ A. 38:171:147
 - ☐ B. 35:172:153
 - ☐ C. 36:172:149
 - ☐ D. 41:173:154

Q.34 In a quadrilateral MNST, $\angle M = 63^\circ$ and $\angle N = 99^\circ$. The bisectors of $\angle S$ and $\angle T$ meet at O. What is the measure of $\angle TOS$?

- Ans**
- ☐ A. 73°
 - ☐ B. 87°
 - ☐ C. 94°
 - ☒ D. 81°

Q.35 Find the value of $\frac{\sin 30^\circ + \cos 60^\circ}{\cot 45^\circ}$.

- Ans ☒ A. 1
☐ B. 0
☐ C. 2
☐ D. $\frac{1}{2}$

Q.36 In a test, B got 50 marks while A got 75 marks, out of 120 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places)

- Ans ☐ A. 120.73%
☒ B. 66.67%
☐ C. 150.33%
☐ D. 62.50%

Q.37 An agent sells a pan with a marked price of ₹6,420 at a discount of 30%. What is the selling price (in ₹) of the pan?

- Ans ☐ A. 4,449
☐ B. 5,136
☐ C. 4,935
☒ D. 4,494

Q.38 Saloni's age is 7 years more than twice her sister Emma's age. If the sum of their ages is 25 years, how old is Emma?

- Ans ☐ A. 7 years
☐ B. 8 years
☒ C. 6 years
☐ D. 5 years

Q.39 The price of fuel decreases by 40%, 25% and 45% in three successive months, but increases by 55% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places)

- Ans ☐ A. Decreases by 63.14%
☐ B. Increases by 67.66%
☐ C. Increases by 64.75%
☒ D. Decreases by 61.64%

Q.40 A man has to cover a distance of 168 km in 18 hours. If he covers two-thirds of the distance at a speed of 16 km/hr, then what should be his speed (in km/hr, rounded off to one decimal place)?

- Ans ☒ A. 4.7
☐ B. 4.6
☐ C. 8.2
☐ D. 8.8

Q.41 The average of 8 numbers is 121. If the first 7 numbers are 35, 35, 49, 83, 102, 80 and 20, then the eighth number is:

- Ans ☐ A. 557
☐ B. 566
☒ C. 564
☐ D. 567

Q.42 The arithmetic mean of the observations 35, 53, 38, 89, 71, 69, 86, 40 and 41 is:

- Ans ☐ A. 66
☐ B. 60
☐ C. 65
☒ D. 58

Q.43 A, B and C can do a piece of work in 3, 15 and 10 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans ☐ A. 12
☐ B. 5
☒ C. 4
☐ D. 8

Q.44 What is the least number which should be added to 539, so that the number obtained is exactly divisible by 10, 15 and 3?

- Ans ☒ A. 1
☐ B. 5
☐ C. 2
☐ D. 3

Q.45 If a solid sphere of radius 14 cm is moulded into 8 spherical solid balls of equal radius, then find the surface area of each ball.

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

- Ans ☐ A. 598 cm²
☒ B. 616 cm²
☐ C. 600 cm²
☐ D. 650 cm²

Q.46 Simplify $((3^2)^6)^5$ and express it as a power of 9. What is the exponent



- Ans ☐ A. 60
☒ B. 30
☐ C. 10
☐ D. 90

Q.47 The prices of articles P, Q and R are ₹280, ₹180 and ₹100, respectively. Subrata buys these articles in the ratio 3 : 4 : 5, spending a total of ₹26,780. How many articles of type Q did he buy?

- Ans ☐ A. 40
☒ B. 52
☐ C. 76
☐ D. 84

Q.48 Given $a + b + c = 15$ and $a^2 + b^2 + c^2 = 83$, find $ab + bc + ca$.

- Ans ☐ A. 25
☐ B. 20
☐ C. 11
☒ D. 71

Q.49 Which of the following numbers is divisible by both 6 and 9, but not divisible by 12?

126, 252, 72, 108

- Ans** ☒ A. 108
☒ B. 252
☒ C. 72
☒ D. 126

Q.50 In an election between two candidates, one candidate secured 42% of the votes and was defeated by the other candidate with a margin of 416 votes. If all the votes cast were valid, what was the total number of votes polled?

- Ans** ☒ A. 2615
☒ B. 2590
☒ C. 2600
☒ D. 2595

Section : General Intelligence and Reasoning

Q.51 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. VYP
☒ B. ZCV
☒ C. CFY
☒ D. LOH

Q.52 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) # € % # 6 & 4 * 9 6 @ 5 % @ # © 8 # % * £ 2 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans** ☒ A. 4
☒ B. 8
☒ C. 6
☒ D. 5

Q.53 What should come in place of the question mark (?) in the given series?

13, 38, 74, 123, ?, 268

- Ans** ☒ A. 181
☒ B. 183
☒ C. 185
☒ D. 187

- Q.54** 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:

No Fictions are Nonfictions.

All Nonfictions are Poetries.

Some Poetries are Dramas.

Conclusions:

(I): Some Fictions are Poetries.

(II): Some Nonfictions are Dramas.

- Ans** ☒ A. Only conclusion (II) is true
☒ B. Neither conclusion (I) nor (II) is true
☒ C. Only conclusion (I) is true
☒ D. Both conclusions (I) and (II) are true

- Q.55** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GKI JNL MQO PTR ?

- Ans** ☒ A. SUW
☒ B. SWE
☒ C. SWU
☒ D. SEW

- Q.56** What should come in place of the question mark (?) in the given series?

123 124 127 132 139 ?

- Ans** ☒ A. 145
☒ B. 147
☒ C. 151
☒ D. 148

- Q.57** Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RUS 36 PSQ 40 NQO 44 LOM 48 ?

- Ans** ☒ A. JNJ 52
☒ B. JMK 52
☒ C. JIJ 51
☒ D. JLO 51

- Q.58** 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(158, 568, 726)

(123, 402, 525)

- Ans** ☒ A. (172, 263, 436)
☒ B. (170, 382, 554)
☒ C. (142, 265, 409)
☒ D. (180, 203, 383)

Q.59 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 8 6 1 3 4 1 8 9 6 8 8 6 5 7 1 9 6 9 8 1 7 8 3 8 3 3 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

Ans ✓ A. 2

✗ B. 4

✗ C. 1

✗ D. 3

Q.60 What should come in place of the question mark (?) in the given series?

115 95 77 61 47 ?

Ans ✗ A. 38

✗ B. 31

✓ C. 35

✗ D. 32

Q.61 In a certain code language,
A ± B means 'A is the wife of B',
A * B means 'A is the son of B',
A ₹ B means 'A is the father of B',
and A # B means 'A is the sister of B'.

How is D related to O if 'D * R ± A ₹ C # O'?

Ans ✓ A. Brother

✗ B. Husband

✗ C. Father

✗ D. Son

Q.62 Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. Only two people sit between A and B when counted from the left of A. G sits to the immediate left of A. Only three people sit between E and G when counted from the left of E. C sits to the immediate right of D. F is not an immediate neighbour of G. Who sits second to the right of H?

Ans ✗ A. C

✓ B. A

✗ C. F

✗ D. E

Q.63 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 1 3 2 8 2 1 2 4 6 1 3 1 8 8 6 1 1 9 5 8 4 1 8 9 6 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

Ans ✗ A. 6

✗ B. 5

✗ C. 3

✓ D. 4

Q.64 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. HNRV
 - ☐ B. XDHL
 - ☐ C. UAEI
 - ☒ D. SYDG

Q.65 In a certain code language, 'work fosters growth' is coded as 'hw mq pc' and 'growth with effort' is coded as 'yv ju mq'. How is 'growth' coded in that language?

- Ans**
- ☒ A. mq
 - ☐ B. hw
 - ☐ C. yv
 - ☐ D. pc

Q.66 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HQ-JS-MO
FO-HQ-KM

- Ans**
- ☐ A. DM-FO-IL
 - ☐ B. CM-FO-IL
 - ☐ C. CM-FP-IL
 - ☒ D. DM-FO-IK

Q.67 Jason went on a business trip in his car. He drove west from his house for a distance of 30 km. He turned right and drove 20 km. Then, he turned left and drove 10 km, took another left and drove 40 km. He took a last left and drove 40 km before stopping. How far and in which direction should he drive to reach his house? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ☐ A. 10 km towards the north
 - ☐ B. 10 km towards the south
 - ☐ C. 20 km towards the south
 - ☒ D. 20 km towards the north

Q.68 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 lamps are bulbs.

No bulb is a torch.

No bulb is a candle.

Conclusions:

(I) No lamp is a torch.

(II) Some candles are torches.

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

Q.69 Manish starts from Point Y and drives 37 km towards North. He then takes a left turn, drives 75 km, turns left and drives 69 km. He then takes a left turn and drives 52 km. He takes a left turn, drives 32 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only, unless specified.)

- Ans** ☒ A. 24 km towards west
☒ B. 23 km towards east
☒ C. 25 km towards east
☒ D. 21 km towards west

Q.70 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 1 3 9 3 2 6 8 3 9 6 2 2 7 7 7 3 3 7 3 8 3 5 6 5 9 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 4
☒ B. 2
☒ C. 1
☒ D. 3

Q.71 Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. Only two people sit between G and S when counted from the right of G. Only one person sits between S and I when counted from the right of I. Only three people sit between G and R. H sits to the immediate left of Q. Who sits third to the left of R?

- Ans** ☒ A. I
☒ B. H
☒ C. G
☒ D. Q

Q.72 In a row of 38 students facing north, Z is 12th from the left end. If G is 3rd to the right of Z, what is G's position from the right end of the line?

- Ans** ☒ A. 27th
☒ B. 22th
☒ C. 25th
☒ D. 24th

Q.73 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$77 \div 12 + 252 \times 14 - 177 = ?$$

- Ans** ☒ A. 1055
☒ B. 1023
☒ C. 1097
☒ D. 1083

Q.74 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?

$$(56 \text{ A } 7) \text{ B } 9 \text{ D } (14 \text{ A } 7) \text{ B } 5 \text{ C } 36 \text{ A } 4 \text{ D } 11 = ?$$

- Ans** ☒ A. 51
☒ B. 42
☒ C. 79
☒ D. 60

Q.75 ABHL is related to FFMP in a certain way based on the English alphabetical order. In the same way, URBB is related to ZVGF. To which of the given options is JDQN related, following the same logic?

- Ans**
- ☐ A. OHNJ
 - ☐ B. OBHY
 - ☐ C. OVBH
 - ☒ D. OHVR

Q.76 A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the left of C. D is an immediate neighbour of E. F sits to the immediate left of E. F sits second to the right of A. What is the position of C with respect to E?

- Ans**
- ☐ A. Second to the right
 - ☐ B. Immediate left
 - ☒ C. Second to the left
 - ☐ D. Immediate right

Q.77 Z ranked 21st from the top and 39th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 60
 - ☒ B. 59
 - ☐ C. 56
 - ☐ D. 57

Q.78 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?

$$120 \text{ B } 15 \text{ A } 5 \text{ D } 18 \text{ C } 22 = ?$$

- Ans**
- ☐ A. 366
 - ☐ B. 360
 - ☐ C. 362
 - ☒ D. 364

Q.79 JFBC is related to GCYZ in a certain way based on the English alphabetical order. In the same way, WSOP is related to TPLM. To which of the given options is IEAB related, following the same logic?

- Ans**
- ☒ A. FBXY
 - ☐ B. FCWF
 - ☐ C. FAWY
 - ☐ D. FBWY

Q.80 In a certain code language, 'live with truth' is coded as 'xf je ak' and 'truth guides life' is coded as 'ub mr je'. How is 'truth' coded in that language?

- Ans**
- ☒ A. je
 - ☐ B. ub
 - ☐ C. ak
 - ☐ D. mr

Section : General Awareness and Current Affairs

Q.81 The FIFA Women's World Cup 2027 will be held in:

- Ans**
- ☐ A. Uruguay
 - ☒ B. Brazil
 - ☐ C. Portugal
 - ☐ D. Japan

Q.82 Which tennis veteran became the first Asian male with 450 career wins by April 2025?

- Ans**
- ☒ A. Kei Nishikori
 - ☐ B. Somdev Devvarman
 - ☐ C. Prajnesh Gunneswaran
 - ☐ D. Yuki Bhambri

Q.83 As announced in the April 2025 Monetary Policy Committee meeting, the Reserve Bank of India aims to keep liquidity surplus close to what percentage of deposits?

- Ans**
- ☐ A. 1.5%
 - ☐ B. 0.5%
 - ☒ C. 1%
 - ☐ D. 2%

Q.84 According to the UN Sustainable Development Report (SDR) 2025, what is India's SDG Index Rank and Score?

- Ans**
- ☐ A. Rank 109 with score 64.10
 - ☐ B. Rank 95 with score 70.50
 - ☒ C. Rank 99 with score 66.95
 - ☐ D. Rank 100 with score 66.95

Q.85 What is India's rank in the Global Innovation Index, 2025, published by the World Intellectual Property Organization (WIPO)?

- Ans**
- ☒ A. 38th
 - ☐ B. 30th
 - ☐ C. 44th
 - ☐ D. 49th

Q.86 Which of the following organisations won the Forward Faster Sustainability Award 2025 for Water Resilience?

- Ans**
- ☐ A. Defence Research and Development Organisation
 - ☒ B. National Thermal Power Corporation
 - ☐ C. Oil and Natural Gas Corporation
 - ☐ D. Council of Scientific and Industrial Research

Q.87 What was the theme of World Tuberculosis Day, 2025, observed in India on 24 March?

- Ans**
- ☐ A. End TB Now: Diagnose, Treat, Prevent
 - ☐ B. Unite to End TB: Fund, Innovate, Act
 - ☒ C. Yes! We Can End TB: Commit, Invest, Deliver
 - ☐ D. TB Free by 2030: Global Pact

Q.88 Which Ministry of the Government of India carried out the Management Effectiveness Evaluation (MEE) for 2020-2025?

- Ans**
- ☒ A. Ministry of Environment, Forest and Climate Change
 - ☐ B. Ministry of Rural Development
 - ☐ C. Ministry of Jal Shakti
 - ☐ D. Ministry of Agriculture

Q.89 Which theme was celebrated for World Malaria Day on 25 April 2025?

- Ans**
- ✓ A. Malaria Ends with Us: Reinvest, Reimagine, Reignite
 - ✗ B. Zero Malaria Starts with Me: Reinvest, Reimagine, Reignite
 - ✗ C. Invest in Malaria-Free Future: Reinvest, Reimagine, Reignite
 - ✗ D. Time to Beat Malaria: Reinvest, Reimagine, Reignite

Q.90 In which of the following Indian cities was the India-Sri Lanka Joint Military Exercise 'MITRA SHAKTI-2025' conducted?

- Ans**
- ✗ A. Pune (Maharashtra)
 - ✓ B. Belagavi (Karnataka)
 - ✗ C. Chennai (Tamil Nadu)
 - ✗ D. Jaipur (Rajasthan)

Q.91 Which of the following DRDO-executed schemes under the 'Make in India' initiative provides grants-in-aid to Indian industries (MSMEs/start-ups) for developing defence and dual-use technologies?

- Ans**
- ✗ A. Defence Testing Infrastructure Scheme (DTIS)
 - ✗ B. Aatmanirbhar Defence Innovation & Technology Initiative (ADITI)
 - ✓ C. Technology Development Fund (TDF)
 - ✗ D. Innovations for Defence Excellence (iDEX)

Q.92 Nag Mk 2 Missile has been developed by which organisation?

- Ans**
- ✗ A. Indian Space Research Organisation
 - ✗ B. Centre for Development of Telematics
 - ✓ C. Defence Research and Development Organisation
 - ✗ D. Hindustan Aeronautics Limited

Q.93 Which new legislation replaced outdated regulatory bodies for healthcare professions (MCI) in India, as reported in June 2025?

- Ans**
- ✗ A. National Drug Council
 - ✓ B. National Medical Commission
 - ✗ C. Indian Medical Commission
 - ✗ D. National Health Commission

Q.94 During 2025-26, India's overall goods and services exports are expected to reach _____.

- Ans**
- ✓ A. \$1 trillion
 - ✗ B. \$0.5 trillion
 - ✗ C. \$2 trillion
 - ✗ D. \$1.5 trillion

Q.95 Where was the 2025 Senior National Table Tennis Championships held?

- Ans**
- ✗ A. Kalinga Stadium, Bhubaneswar
 - ✗ B. Jawaharlal Nehru Indoor Stadium, Chennai
 - ✗ C. Thyagaraj Stadium, Delhi
 - ✓ D. Pandit Dindayal Upadhyay Indoor Stadium, Surat

Q.96 What is the rank of India in the Global Firepower Index 2025?

- Ans**
- ✗ A. Second
 - ✗ B. First
 - ✓ C. Fourth
 - ✗ D. Third

Q.97 Which Indian city hosted the first ever three-day Fit India Carnival, a holistic health and fitness gathering festival, in March 2025?

- Ans**
- ☒ A. New Delhi
 - ☐ B. Dehradun
 - ☐ C. Bhopal
 - ☐ D. Mumbai

Q.98 Which of the following summits in 2025 will be co-hosted by World Health Organization (WHO) and the Ministry of Ayush, Government of India in New Delhi, aiming to strengthen traditional medicine globally?

- Ans**
- ☐ A. Global Health and Traditional Medicine Summit 2025
 - ☐ B. International Summit on Integrative Health 2025
 - ☒ C. Second WHO Global Summit on Traditional Medicine 2025
 - ☐ D. World Traditional Medicine Congress 2025

Q.99 As of 1 March 2025, who became the Chairman of the Securities and Exchange Board of India?

- Ans**
- ☐ A. Madhabi Puri Buch
 - ☐ B. Ananth Narayan G
 - ☐ C. Ashwani Bhatia
 - ☒ D. Tuhin Kanta Pandey

Q.100 In 2025, which of the following Bills was passed by Karnataka to strengthen child protection by outlawing not only child marriage but also betrothal of minors?

- Ans**
- ☐ A. Child Rights Enhancement Bill, 2025
 - ☐ B. Karnataka Minor Marriage Protection Bill, 2025
 - ☒ C. Prohibition of Child Marriage (Karnataka Amendment) Bill, 2025
 - ☐ D. Karnataka Child Welfare Bill, 2025



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Vellore
Test Date	24/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following help in maintaining the supply of nutrients to the growing plants in the forest?

- Ans ☒ A. Secondary consumers
☒ B. Decomposers
☒ C. Primary consumers
☒ D. Tertiary consumers

Q.2 In humans, after fertilisation, the embryo is implanted in which part of the body?

- Ans ☒ A. Stomach
☒ B. Uterus
☒ C. Ovary
☒ D. Fallopian tube

Q.3 Which statement best supports the Law of Constant Proportions?

- Ans ☒ A. Mud from two ponds containing different minerals
☒ B. Sand from two places with varying grain size
☒ C. Water from two sources with identical composition
☒ D. Soil from two areas with mixed organic content

Q.4 What is the name of the fluid present inside a plant cell vacuole?

- Ans ☒ A. Protoplasm
☒ B. Cytoplasm
☒ C. Cell sap
☒ D. Nucleoplasm

Q.5 Ethanol reacts with sodium leading to the formation of sodium ethoxide with the evolution of:

- Ans ☒ A. chlorine gas
☒ B. nitrogen gas
☒ C. hydrogen gas
☒ D. bromine gas

Q.6 In human females, which of the following structures carries egg from the ovary to the womb?

- Ans**
- ☐ A. Vaginal tube
 - ☒ B. Fallopian tube
 - ☐ C. Uterus
 - ☐ D. Cervix

Q.7 Which of the following best describes a person with hypermetropia?

- Ans**
- ☐ A. Their vision is equally blurred for both near and distant objects
 - ☐ B. They can see nearby objects clearly but distant ones appear blurry
 - ☐ C. They are unable to see anything without glasses
 - ☒ D. They can see faraway objects clearly but struggle to see things up close

Q.8 Which of the following quantities is a measure of the inertia of a body?

- Ans**
- ☒ A. Mass
 - ☐ B. Force
 - ☐ C. Acceleration
 - ☐ D. Weight

Q.9 According to Newton's third law, action and reaction forces:

- Ans**
- ☐ A. act on the same object at different times
 - ☐ B. cancel each other out because they are equal
 - ☒ C. act on two different objects at the same time
 - ☐ D. act on the same object at the same time

Q.10 Read the given assertion (A) and reason (R) and select the most appropriate option.

(A): Oral contraceptive pills are a permanent method of contraception.

(R): They change hormone levels and prevent ovulation.

- Ans**
- ☐ A. Both A and R are false
 - ☐ B. Both A and R are true, but R is not the correct explanation of A
 - ☒ C. A is false, but R is true
 - ☐ D. Both A and R are true, and R is the correct explanation of A

Q.11 We express the concentration of solution in various ways. Which of the following method is INCORRECT?

- Ans**
- ☐ A. Mass by volume percentage of a solution
 - ☐ B. Mass by mass percentage of a solution
 - ☐ C. Volume by volume percentage of a solution
 - ☒ D. Volume by mass percentage of a solution

Q.12 During energy transformation, the total energy of a system:

- Ans**
- ☐ A. always increases
 - ☒ B. remains unchanged
 - ☐ C. always decreases
 - ☐ D. disappears completely

Q.13 Why is it advised to clean your mouth after vomiting?

- Ans**
- ☐ A. To remove bad odour
 - ☐ B. To stop the spread of infection
 - ☒ C. To neutralise the acid and protect tooth enamel
 - ☐ D. To avoid dehydration

Q.14 Which of the following best describes the relation between a cell's shape and its role?

- Ans
- ☐ A. Cell shape is random.
 - ☐ B. All cells have the same function.
 - ☒ C. Cell shape supports its specific function.
 - ☐ D. All cells are round regardless of function.

Q.15 What are the noticeable changes observed when an iron nail is placed in copper sulphate solution?

- Ans
- ☐ A. The iron nail becomes brownish in colour and the blue colour of the copper sulphate solution changes to yellow.
 - ☐ B. The iron nail becomes brownish in colour and the blue colour of the copper sulphate solution remains blue.
 - ☒ C. The iron nail becomes brownish in colour and the blue colour of the copper sulphate solution fades.
 - ☐ D. The iron nail remains as it is and the blue colour of the copper sulphate solution fades.

Q.16 Which of the following metals is least reactive?

- Ans
- ☒ A. Gold
 - ☐ B. Zinc
 - ☐ C. Magnesium
 - ☐ D. Sodium

Q.17 Which of the following correctly pairs a nerve type with its origin?

- Ans
- ☐ A. Cranial nerves – Spinal cord
 - ☐ B. Spinal nerves – Brain
 - ☒ C. Cranial nerves – Brain
 - ☐ D. Spinal nerves – Heart

Q.18 In a house, electricity is supplied at 220 V. If the maximum power consumption of the house is 11 kW, what should the rating of the main fuse be?

- Ans
- ☐ A. 20 A
 - ☐ B. 30 A
 - ☒ C. 50 A
 - ☐ D. 100 A

Q.19 Megaphones, loudhailers, and shehnais are designed to:

- Ans
- ☐ A. reduce the intensity of sound waves
 - ☐ B. convert sound waves into electrical signals
 - ☒ C. focus sound waves in a particular direction
 - ☐ D. spread sound waves equally in all directions

Q.20 Which of the following mirrors is used as a shaving mirror to get a magnified image of the face?

- Ans
- ☐ A. Plane mirror
 - ☒ B. Concave mirror
 - ☐ C. Convex mirror
 - ☐ D. Parabolic mirror

Q.21 Which type of bond is present between carbon atoms in saturated hydrocarbons?

- Ans
- ☐ A. Triple bond
 - ☒ B. Single bond
 - ☐ C. Both double and triple bonds
 - ☐ D. Double bond

Q.22 Which of the following occurs due to continuous movement of gas particles?

- Ans**
- ☐ A. Condensation
 - ☐ B. Evaporation
 - ☒ C. Diffusion
 - ☐ D. Melting

Q.23 The closeness of magnetic field lines indicates:

- Ans**
- ☐ A. Length of the magnet
 - ☐ B. Position of the poles
 - ☐ C. Direction of magnetic field
 - ☒ D. Strength of magnetic field

Q.24 Which statement is **INCORRECT** regarding mass and weight?

- Ans**
- ☐ A. Mass is the measure of inertia, weight is the force due to gravity.
 - ☐ B. Mass has SI unit kg, weight has SI unit newton.
 - ☒ C. Mass varies from place to place, weight remains constant.
 - ☐ D. Mass is scalar, weight is vector.

Q.25 Which of the following features are displayed by all cells under a microscope?

- Ans**
- ☐ A. Only nucleus and cytoplasm
 - ☒ B. Only plasma membrane and cytoplasm
 - ☐ C. Plasma membrane, nucleus and cytoplasm
 - ☐ D. Only plasma membrane and nucleus

Section : Mathematics

Q.26 The ratio of the speeds of two trucks is 5 : 4. The time taken by the faster truck to cover a distance of 200 km is 2 hours less than the other. Find the speed of the slower truck.

- Ans**
- ☐ A. 24 km/hr
 - ☐ B. 17 km/hr
 - ☒ C. 20 km/hr
 - ☐ D. 26 km/hr

Q.27 The value of the expression $\frac{8}{4.5^3 - 0.5^3} \times (4.5 \times 4.5 + 0.25 + 4.5 \times$



- Ans**
- ☐ A. 8
 - ☒ B. 2
 - ☐ C. 1
 - ☐ D. 4

Q.28 A trader marked his goods 35% above its cost price. He then gave a discount of 15%. Find his profit percentage.

- Ans**
- ☐ A. 20%
 - ☐ B. 15.25%
 - ☐ C. 16.5%
 - ☒ D. 14.75%

Q.29 When the price of a book is reduced by 16%, its sale increases by 80%. What is the net per cent increment in the revenue?

- Ans** ☒ A. 51.2%
☐ B. 49.2%
☐ C. 50.6%
☐ D. 48.8%

Q.30 Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Mohan borrowed an amount of ₹2,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mohan after 2 years.

- Ans** ☐ A. 20,300
☐ B. 21,800
☐ C. 22,300
☒ D. 20,800

Q.31 A jeep travels 80 km at the speed of 40 km/hr and the next 36 km at the speed of 18 km/hr. What is its average speed (in km/hr)?

- Ans** ☒ A. 29
☐ B. 23
☐ C. 33
☐ D. 35

Q.32 In an election between two candidates, 20% of the total votes were declared invalid. The winning candidate received 40% of the valid votes and secured 1,60,000 more valid votes than the runner-up, who received 32% of the valid votes. Find the total number of valid votes.

- Ans** ☐ A. 25,00,000
☐ B. 12,00,000
☒ C. 20,00,000
☐ D. 10,00,000

Q.33 Roshan and Anshu together invested ₹13,500 in a business. At the end of the year, out of a total profit of ₹9,000, Roshan's share was ₹1,300. What was Roshan's investment?

- Ans** ☐ A. ₹1,765
☐ B. ₹2,295
☐ C. ₹1,565
☒ D. ₹1,950

Q.34 The present ages of P and Q are in the ratio 9 : 8 and after 2 years from now, they will be in the ratio 10 : 9. The present age of P is:

- Ans** ☐ A. 9 years
☒ B. 18 years
☐ C. 8 years
☐ D. 16 years

Q.35 The average age of 24 students of a class is 46 years. If the age of the teacher is also included, the average age of the whole group becomes 47 years. The age (in years) of the teacher is:

- Ans** ☐ A. 74
☒ B. 71
☐ C. 70
☐ D. 73

Q.36 4 men can complete a piece of work in 8 days while 2 women can do it in 10 days. In how many days can 5 women and 8 men complete it?

- Ans** ☒ A. 2
☐ B. 4
☐ C. 6
☐ D. 7

Q.37 The average of the first 9 multiples of 3 is:

- Ans** ☒ A. 15
☐ B. 13.5
☐ C. 9
☐ D. 3

Q.38 A typist takes 40 minutes to type 2 pages. How many pages will he type in 80 minutes?

- Ans** ☐ A. 1
☐ B. 3
☐ C. 2
☒ D. 4

Q.39 The largest four-digit number which, when divided by 14, 9 and 6, leaves remainder 2 in each case is:

- Ans** ☐ A. 9984
☐ B. 9998
☒ C. 9956
☐ D. 9948

Q.40 Simplify the given expression.

$$12 + \{6 \times 27 \div 3 + 2\} - (16 \div 8) \times 5$$

- Ans** ☒ A. 58
☐ B. 56
☐ C. 55
☐ D. 57

Q.41 Raman's income is ₹10,200. He saves 30% of his income. If his income increases by 14% and expenditure increases by 40%, then his savings will:

- Ans** ☐ A. increase by ₹1,429
☐ B. increase by ₹1,430
☐ C. decrease by ₹1,427
☒ D. decrease by ₹1,428

Q.42 Which of the following options is NOT true about triangles?

- Ans** ☐ A. If the largest side of a triangle is 4 units, then its area is less than 8 square units.
☐ B. For a given area, the equilateral triangle has the least perimeter.
☐ C. There are right-angled triangles with three consecutive natural numbers as lengths of its sides.
☒ D. An isosceles right-angled triangle with area 50 square units has one side with length 8 units.

Q.43 If the volume of a cylinder is 1848 cm^3 , and its height is 12 cm, find the curved surface area (in cm^2).

- Ans**
- ☐ A. 476
 - ☐ B. 432
 - ☒ C. 528
 - ☐ D. 560

Q.44 A dealer allowed a 50% discount on an article and still managed a 71% profit. Find the ratio of the cost price to the listed price.

- Ans**
- ☐ A. 53 : 173
 - ☐ B. 47 : 174
 - ☒ C. 50 : 171
 - ☐ D. 49 : 173

Q.45 A and B working together can do a piece of work in 3 days. B alone can do the same work in 6 days. How long (in days) will A alone take to do double the work?

- Ans**
- ☐ A. 6
 - ☐ B. 15
 - ☐ C. 13
 - ☒ D. 12

Q.46 What is the value of $\frac{1 + \tan^2 \theta}{1 + \cot^2 \theta}$?

- Ans**
- ☐ A. $\text{cosec}^2 \theta$
 - ☐ B. $\tan \theta$
 - ☒ C. $\tan^2 \theta$
 - ☐ D. $\cot^2 \theta$

Q.47 In a zoo, there are 32 ducks, 41 sheep, 7 horses and some crows. If the total number of feet is 211 more than the number of heads, find the number of crows.

- Ans**
- ☐ A. 21
 - ☐ B. 43
 - ☐ C. 30
 - ☒ D. 35

Q.48 The inradius of a triangle is 8 cm and the sum of the lengths of its sides is 60 cm. Find the area (in cm^2) of the triangle.

- Ans**
- ☐ A. 480
 - ☐ B. 280
 - ☐ C. 260
 - ☒ D. 240

Q.49 In a bag containing red, green and pink tokens, the ratio of red to green tokens was 15 : 19 while the ratio of pink to red tokens was 17 : 2. What was the ratio of green to pink tokens?

- Ans**
- ☐ A. 39:259
 - ☒ B. 38:255
 - ☐ C. 41:260
 - ☐ D. 37:257

Q.50 An article was bought for ₹4,000. Its price was marked up by 40%. Thereafter, it was sold at a discount of 20% on the marked price. What was the per cent profit on the transaction?

- Ans**
- ☒ A. 14%
 - ☒ B. 11%
 - ☒ C. 12%
 - ☒ D. 10%

Section : General Intelligence and Reasoning

Q.51 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. DHJ
 - ☒ B. HMN
 - ☒ C. LPR
 - ☒ D. QUW

Q.52 Seven people, B, C, D, I, J, K and L, are sitting in a straight line facing north. Only three people sit between B and K. C sits to the immediate left of K. No one sits to the right of L. Only one person sits between L and K. J sits to the immediate right of D. How many people sit between I and J?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Two

Q.53 What should come in place of the question mark (?) in the given series?

1011 1010 1020 1019 1029 1028 ?

- Ans**
- ☒ A. 1038
 - ☒ B. 1034
 - ☒ C. 1040
 - ☒ D. 1036

Q.54 A, B, C, R, S, T and U are sitting around a circular table facing the centre of the table. Only two people sit between S and C when counted from the right of S. Only two people sit between C and U when counted from the left of U. Only three people sit between S and B when counted from the left of B. R sits to the immediate left of T. Who sits third to the left of A?

- Ans**
- ☒ A. R
 - ☒ B. B
 - ☒ C. C
 - ☒ D. T

Q.55 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$18 - 8 \div 4 + 64 \times 16 = ?$

- Ans**
- ☒ A. 146
 - ☒ B. 148
 - ☒ C. 142
 - ☒ D. 144

Q.56 Refer to the given number, symbol series and answer the question that follows.
Counting to be done from left to right only. All numbers are single-digit numbers.
(Left) * 3 © £ % 2 7 3 © £ & @ & 5 @ 3 3 @ * @ \$ 4 (Right)
How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.57 In a certain code language, 'zebra rain union' is coded as 'ds cm oh' and 'video union oven' is coded as 'ng oa cm'. How is 'union' coded in that language?

- Ans**
- ☒ A. cm
 - ☒ B. ng
 - ☒ C. oh
 - ☒ D. ds

Q.58 Refer to the following number, symbol series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers.)
(Left) 2 6 & 2 9 5 5 € 1 \$ 1 6 @ & € # 3 @ £ % 4 9 (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.59 Sonu starts from point A and drives 61 km towards west. He then takes a left turn, drives 67 km, turns left and drives 67 km. He then takes a left turn and drives 80 km. He takes a final left 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?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 13 km to the south
 - ☒ B. 10 km to the north
 - ☒ C. 11 km to the north
 - ☒ D. 12 km to the south

Q.60 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D ÷ F - G x H + J'?

- Ans**
- ☒ A. Wife's father
 - ☒ B. Wife's brother
 - ☒ C. Son's wife's father
 - ☒ D. Son's wife's brother

Q.61 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$116 \div 9 + 427 \times 7 - 13 = ?$$

- Ans** ☒ A. 934
☒ B. 923
☒ C. 985
☒ D. 996

Q.62 CFRT is related to GKVY in a certain way based on the English alphabetical order. In the same way, SZHN is related to WELS. To which of the given options is EOTC related, following the same logic?

- Ans** ☒ A. ITBH
☒ B. ITXH
☒ C. ITXD
☒ D. IXDE

Q.63 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 3 3 3 4 9 8 9 1 2 2 5 5 5 1 3 1 4 4 1 5 8 2 2 6 3 7 6 (Right)

How many such odd 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. 7
☒ C. 4
☒ D. 6

Q.64 What should come in place of the question mark (?) in the given series?

100 85 70 55 40 ?

- Ans** ☒ A. 24
☒ B. 23
☒ C. 22
☒ D. 25

Q.65 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YAB-XZA
TVW-SUV

- Ans** ☒ A. IJJ-GIJ
☒ B. IKL-HJK
☒ C. IJJ-HJK
☒ D. IKL-GJJ

Q.66 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '÷' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

$$9 \text{ B } 14 \text{ C } 196 \text{ A } 7 \text{ D } 24 = ?$$

- Ans** ☒ A. 137
☒ B. 130
☒ C. 142
☒ D. 131

Q.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CMN101, KUV82, SCD63, AKL44, ?

- Ans**
- ☐ A. ISE25
 - ☐ B. MST25
 - ☐ C. IWT25
 - ☒ D. IST25

Q.68 In a certain code language, 'ROME' is coded as '2347' and 'BERM' is coded as '7254'. What is the code for 'B' in the given code language?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☐ C. 7
 - ☒ D. 5

Q.69 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 dogs are birds.

All birds are pets.

Conclusions:

(I): Some pets are not dogs.

(II): Some dogs are pets.

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

Q.70 Bhaskar starts from Point A and drives 11 km towards north. He then takes a right turn, drives 4 km, turns right and drives 5 km. He then takes a left turn and drives 9 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 degrees turns only unless specified)

- Ans**
- ☐ A. 13 km towards south
 - ☐ B. 17 km towards north
 - ☐ C. 11 km towards west
 - ☒ D. 13 km towards west

Q.71 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(46, 23, 32)

(72, 36, 45)

- Ans**
- ☐ A. (194, 97, 105)
 - ☐ B. (156, 78, 88)
 - ☒ C. (98, 49, 58)
 - ☐ D. (162, 81, 92)

Q.72 Seven boxes, B, C, D, I, J, K and L, are kept one over the other but not necessarily in the same order. Only I is kept above L. Only three boxes are kept between I and B. Only K is kept below C. D is kept immediately above B. How many boxes are kept between J and K?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Four
 - ☒ D. Three

Q.73 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 4 3 2 7 6 4 9 9 6 5 4 9 7 6 8 3 5 1 5 1 2 4 8 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☒ C. Three
 - ☐ D. Two

Q.74 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BCG-FGK
WXB-ABF

- Ans**
- ☐ A. FFI-IJN
 - ☐ B. FGK-IKN
 - ☒ C. FGK-JKO
 - ☐ D. FFI-JKO

Q.75 Which numbers should come in place of the question mark (?) in the following series so that it can complete logically?

5, 15, 27, 41, 57, ?

- Ans**
- ☒ A. 75
 - ☐ B. 82
 - ☐ C. 76
 - ☐ D. 80

Q.76 Five people, A, B, C, D and E are sitting in a row, facing north. A sits at the extreme right end of the line. D sits to the immediate left of A. B sits between C and E. How many people sit between A and B?

- Ans**
- ☐ A. 0
 - ☐ B. 3
 - ☐ C. 1
 - ☒ D. 2

- Q.77** Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order.
Only four boxes are kept between A and E. Only C is kept above A. Only two boxes are kept between G and F. B is kept immediately above D. F is not kept immediately above B.
How many boxes are kept below B?

Ans ☒ A. 2
☒ B. 3
☒ C. 4
☒ D. 1

- Q.78** 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 conclusion(s) logically follow(s) from the statements.

Statements:

All diamonds are stones.
No diamond is a necklace.

Conclusion (I): Some stones are diamonds.
Conclusion (II): No stone is a necklace.

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.79** What should come in place of the question mark (?) in the given series based on the English alphabetical order?
GPM ENK CLI AJG ?

Ans ☒ A. ZHE
☒ B. CHI
☒ C. YHE
☒ D. YLI

- Q.80** 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 letter-cluster pair 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. AY-QO
☒ B. MK - CA
☒ C. QO-GE
☒ D. NK - DB

Section : General Awareness and Current Affairs

- Q.81** The Reserve Bank of India revised Priority Sector Lending (PSL) guidelines for Small Finance Banks from FY 2025-26, reducing the PSL target to what percentage of ANBC (adjusted net bank credit) or Credit Equivalent of Off-Balance Sheet Exposures (CEOBE)?

Ans ☒ A. 50%
☒ B. 30%
☒ C. 40%
☒ D. 60%

Q.82 Which of the following features is a major design focus for the Zorawar tank?

- Ans**
- ☐ A. Submarine detection system
 - ☐ B. Stealth technology for naval use
 - ☒ C. Amphibious capability and lightweight design
 - ☐ D. Nuclear warhead capability

Q.83 As announced in 2025, the headquarters of the International Big Cat Alliance (IBCA) will be established in:

- Ans**
- ☐ A. South Africa
 - ☒ B. India
 - ☐ C. New Zealand
 - ☐ D. Brazil

Q.84 Who among the following became the youngest Formula 1 driver to win three races in a row in 2025?

- Ans**
- ☐ A. Max Verstappen
 - ☒ B. Kimi Antonelli
 - ☐ C. Lando Norris
 - ☐ D. George Russell

Q.85 In March 2025, Operation Brahma was launched by the NDRF to rescue earthquake victims of which country?

- Ans**
- ☐ A. Bhutan
 - ☐ B. Nepal
 - ☐ C. Sri Lanka
 - ☒ D. Myanmar

Q.86 What was India's rank among the most polluted countries in the World Air Quality Report 2024, released in March 2025?

- Ans**
- ☒ A. 5th
 - ☐ B. 7th
 - ☐ C. 3rd
 - ☐ D. 1st

Q.87 Which of the following age groups was highlighted at the Summer Book Writing Festival 2025?

- Ans**
- ☐ A. Authors aged between 18 and 26
 - ☐ B. Retired teachers
 - ☐ C. School students aged 6 and above
 - ☒ D. School students aged 8 and above

Q.88 Who among the following Indians set a javelin throw record of 84.39 m at National Games 2025?

- Ans**
- ☐ A. Shivpal Singh
 - ☐ B. Annu Rani
 - ☒ C. Sachin Yadav
 - ☐ D. Neeraj Chopra

Q.89 Which of the following is a major application of 3D bioprinting demonstrated at MSU Vadodara in 2025?

- Ans**
- ☐ A. Weather forecasting models
 - ☒ B. Regenerative medicine and tissue engineering
 - ☐ C. Blockchain-based financial transactions
 - ☐ D. Satellite communication systems

Q.90 In July 2025, which international city was in the spotlight for hosting the 17th BRICS Summit?

- Ans**
- ☐ A. Johannesburg
 - ☐ B. New Delhi
 - ☐ C. Beijing
 - ☒ D. Rio de Janeiro

Q.91 In news in 2025, MISHTI scheme for ecological and community sustainability stands for:

- Ans**
- ☐ A. Mission for Inland Sustainable Tree Harvesting and Innovation
 - ☒ B. Mangrove Initiative for Shoreline Habitats and Tangible Incomes
 - ☐ C. Mangrove Improvement Scheme for Health and Technology Integration
 - ☐ D. Marine Initiative for Sustainable Habitat and Income

Q.92 In which city were the 2025 World Aquatics Championships held?

- Ans**
- ☐ A. Japan
 - ☐ B. Canada
 - ☒ C. Singapore
 - ☐ D. United Arab Emirates

Q.93 In June 2025, which of the following states increased the quota for minorities under its housing schemes from 10% to 15%?

- Ans**
- ☐ A. Gujarat
 - ☒ B. Karnataka
 - ☐ C. Kerala
 - ☐ D. Assam

Q.94 Dassault Aviation and Reliance Aerostructure Limited (RAL), in June 2025, announced at Paris Air Show execution of an agreement to manufacture which of the following in India for the Global Market by 2028?

- Ans**
- ☐ A. Falcon 1000 LXS Business Executive Jets
 - ☐ B. Falcon 4000 LXS Business Executive Jets
 - ☐ C. Falcon 3000 LXS Business Executive Jets
 - ☒ D. Falcon 2000 LXS Business Executive Jets

Q.95 Who was awarded the Padma Bhushan in 2025 for his contributions to Indian hockey?

- Ans**
- ☐ A. Harvinder Singh
 - ☐ B. Satyapal Singh
 - ☒ C. PR Sreejesh
 - ☐ D. IM Vijayan

Q.96 In which state was the 'Viksit Krishi Sankalp Abhiyan (VKSA)' launched by the Union Agriculture Minister Shivraj Singh Chouhan, in May 2025?

- Ans**
- ☐ A. Telangana
 - ☐ B. Uttar Pradesh
 - ☒ C. Odisha
 - ☐ D. Rajasthan

Q.97 What is the theme of the 11th International Day of Yoga 2025?

- Ans**
- ☐ A. Do Yoga for Long Life
 - ☐ B. Yoga and Our Health
 - ☐ C. Do Yoga for Good Health
 - ☒ D. Yoga for One Earth, One Health

Q.98 The Constitution (Scheduled Tribes) Order (Fourth Amendment) Bill, 2022, seeks to amend the Constitution (Scheduled Tribes) Order, 1950, with respect to its application to which state?

- Ans**
- ☒ A. Karnataka
 - ☐ B. Kerala
 - ☐ C. Telangana
 - ☐ D. Odisha

Q.99 Which of the following countries had awarded Prime Minister Narendra Modi its highest civilian honour in June 2025?

- Ans**
- ☐ A. Greece
 - ☐ B. Italy
 - ☒ C. Cyprus
 - ☐ D. France

Q.100 At the 78th World Health Assembly in May 2025, how many countries voted in favour of the historic WHO Pandemic Agreement?

- Ans**
- ☐ A. 119 countries
 - ☐ B. 108 countries
 - ☐ C. 132 countries
 - ☒ D. 124 countries



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	24/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What will be the change in kinetic energy of the particles of solid if temperature is increased?

- Ans**
- ☒ A. Kinetic energy decreases.
 - ☒ B. Kinetic energy remains same.
 - ☒ C. Kinetic energy increases.
 - ☒ D. Kinetic energy becomes zero.

Q.2 The gravitational constant (G) was first measured by ____.

- Ans**
- ☒ A. Kepler
 - ☒ B. Galileo
 - ☒ C. Newton
 - ☒ D. Cavendish

Q.3 A special tissue through which the foetus receives nutrition is called which of the following?

- Ans**
- ☒ A. Placenta
 - ☒ B. Fallopian tube
 - ☒ C. Uterus
 - ☒ D. Cervix

Q.4 Which of the following is a chemical change?

- Ans**
- ☒ A. Dissolving salt in water
 - ☒ B. Cutting of paper
 - ☒ C. Rusting of iron
 - ☒ D. Melting of ice

Q.5 Which of the following is a characteristic feature of meristematic cells?

- Ans**
- ☒ A. Thin walls with lignin deposits
 - ☒ B. Dead cells with empty spaces
 - ☒ C. Thick walls and large vacuoles
 - ☒ D. Dense cytoplasm and lack of vacuoles

Q.6 What is the term used for the refractive index of a medium when medium 1 is specified as vacuum or air?

- Ans**
- ☒ A. Absolute refractive index
 - ☐ B. Comparative refractive index
 - ☐ C. Optical density
 - ☐ D. Relative refractive index

Q.7 Galvanisation is a method of protecting steel and iron from rusting by coating them with a thin layer of:

- Ans**
- ☐ A. magnesium
 - ☒ B. zinc
 - ☐ C. copper
 - ☐ D. aluminium

Q.8 A gardener wants to grow stronger plants with better fruit. Which pollination method should they encourage?

- Ans**
- ☐ A. Self-pollination
 - ☐ B. Geitonogamy
 - ☒ C. Cross-pollination
 - ☐ D. Test Pollination

Q.9 Which of the following is NOT a combination reaction?

- Ans**
- ☐ A. $N_2 + 3H_2 \rightarrow 2NH_3$
 - ☐ B. $2Mg + O_2 \rightarrow 2MgO$
 - ☐ C. $C + O_2 \rightarrow CO_2$
 - ☒ D. $HCl + NaOH \rightarrow NaCl + H_2O$

Q.10 Which of the following DOES NOT use the concept of multiple reflection of sound waves?

- Ans**
- ☐ A. Trumpet
 - ☒ B. Vibrating tuning fork
 - ☐ C. Megaphones
 - ☐ D. Stethoscope

Q.11 In what way do insect pests negatively impact crop yield?

- Ans**
- ☐ A. By enriching the soil with nutrients
 - ☒ B. By damaging roots, stems, and fruits of plants
 - ☐ C. By supporting flower formation
 - ☐ D. By spreading seeds to new areas

Q.12 Which rule is used to find the direction of force on a current-carrying conductor?

- Ans**
- ☐ A. Ohm's law
 - ☐ B. Lenz's law
 - ☒ C. Fleming's left-hand rule
 - ☐ D. Fleming's right-hand rule

Q.13 The image formed on the retina of the human eye is _____.

- Ans**
- ☐ A. real and erect
 - ☐ B. virtual and erect
 - ☐ C. virtual and inverted
 - ☒ D. real and inverted

- Q.14** When a gun is fired, the bullet moves forward, and the gun recoils backward. This is an example of _____.
- Ans** ☐ A. Newton's Second Law of Motion
☐ B. Law of Conservation of Energy
☒ C. Newton's Third Law of Motion
☐ D. Newton's First Law of Motion
- Q.15** In which of the following metals will the rate of formation of bubbles be fastest when it reacts with dil. HCl?
- Ans** ☐ A. Zn
☐ B. Al
☐ C. Fe
☒ D. Mg
- Q.16** Which of the following is a correct match of tissue type and its example?
- Ans** ☐ A. Muscular tissue – Neurons
☐ B. Nervous tissue – Muscles
☒ C. Connective tissue – Blood
☐ D. Epithelial tissue – Blood
- Q.17** A particle moves along a straight line. The particle covers displacement of 40 m in 8 seconds. What is its average velocity?
- Ans** ☐ A. 4 m/s
☒ B. 5 m/s
☐ C. 8 m/s
☐ D. 40 m/s
- Q.18** In the male reproductive system, where does sperm formation take place?
- Ans** ☐ A. Seminal vesicles
☒ B. Testes
☐ C. Scrotum
☐ D. Vas deferens
- Q.19** Which of the following is a general property of ionic compounds?
- Ans** ☐ A. They are soft and have low melting points
☒ B. They are brittle and conduct electricity in molten or aqueous state
☐ C. They exist as molecules and have weak interatomic forces
☐ D. They are insoluble in water and conduct electricity in solid state
- Q.20** Which of the following is a typical physical property of a metal?
- Ans** ☐ A. Non-lustrous
☒ B. Malleable
☐ C. Poor conductor of electricity
☐ D. Brittle
- Q.21** Why are micro-nutrients important for plants?
- Ans** ☐ A. They help in the absorption of sunlight.
☐ B. They increase the size of the plant roots.
☐ C. They are only needed for decorative plants.
☒ D. They support essential functions even in small amounts.

Q.22 Which statement correctly distinguishes between plant and animal tissues?

- Ans**
- ☐ A. Plant tissues have no supportive structure, while animals lack living tissues
 - ☐ B. Both plant and animal tissues have equal growth throughout the body
 - ☐ C. Animal tissues are mostly dead, while plant tissues are mostly living
 - ☒ D. Plant tissues have dead supportive cells, while animal tissues are mostly living

Q.23 What is the role of a fuse in an electric circuit?

- Ans**
- ☐ A. To not break the circuit if the current exceeds a safe level
 - ☒ B. To break the circuit if the current exceeds a safe level, preventing damage
 - ☐ C. To increase the current when needed
 - ☐ D. To cool down the wires during overheating

Q.24 According to the Law of Constant Proportions, water (H₂O) will always contain hydrogen and oxygen in the mass ratio of:

- Ans**
- ☐ A. 2:1
 - ☒ B. 1:8
 - ☐ C. 1:2
 - ☐ D. 8:1

Q.25 Kamali spends a lot of time studying for examinations, including reading books and organising thoughts. Why would a scientist argue that this 'hard work' involves very little 'work' in the scientific sense?

- Ans**
- ☐ A. Because energy is conserved, so work done must be zero.
 - ☒ B. Because displacement is necessary, and studying involves zero or minimal physical displacement of the body.
 - ☐ C. Because the activity is considered useful physical labour.
 - ☐ D. Because mental effort does not involve force.

Section : Mathematics

Q.26 If the radius of the base of a right circular cylinder is decreased by 28% and its height is increased by 114%, then what is the percentage increase (rounded off to the nearest integer) in its volume?

- Ans**
- ☒ A. 11%
 - ☐ B. 21%
 - ☐ C. 1%
 - ☐ D. 13%

Q.27

What is the value of $4.05 \times \left(\frac{24\frac{3}{5} + 3.2}{8.34} \right)$?

- Ans**
- ☐ A. 15.3
 - ☐ B. 15.4
 - ☒ C. 13.5
 - ☐ D. 14.5

Q.28 Poonam, Qasim and Rina invest ₹1,92,000, ₹1,20,000, and ₹88,000, respectively to start a business. If the profit at the end of the year is ₹4,93,600, then what is the share of Rina in the profit?

- Ans**
- ☐ A. ₹1,08,595
 - ☐ B. ₹1,08,591
 - ☒ C. ₹1,08,592
 - ☐ D. ₹1,08,594

Q.29 The amount on a sum of ₹3,600 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☒ A. ₹5,217
 - ☒ B. ₹3,863
 - ☒ C. ₹4,356
 - ☒ D. ₹4,389

Q.30 The mode and median of a data are 27.6 and 28, respectively. What is the mean of the data? (Use empirical formula.)

- Ans**
- ☒ A. 31.9
 - ☒ B. 28.2
 - ☒ C. 20.6
 - ☒ D. 32.7

Q.31 The value of $3\tan^2x - 3\sec^2x + 4$ is equal to:

- Ans**
- ☒ A. 0
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. 2

Q.32 An article is marked at ₹2,000. A shopkeeper offers a discount of 25% on the article. What is the selling price of the article after the discount?

- Ans**
- ☒ A. ₹1,400
 - ☒ B. ₹,1600
 - ☒ C. ₹1,500
 - ☒ D. ₹1,200

Q.33 Pipe A can fill a tank in 6 minutes, while pipe B can empty the completely filled tank in 12 minutes. Initially, pipe A is opened and after 2 minutes pipe B is also opened. In how much time (in minutes) will the remaining tank be filled completely?

- Ans**
- ☒ A. 8
 - ☒ B. 9
 - ☒ C. 19
 - ☒ D. 2

Q.34 Solve: $\frac{(112 + 99)^2 + (112 - 99)^2}{112 \times 112 + 99 \times 99}$

- Ans**
- ☒ A. 1
 - ☒ B. 2
 - ☒ C. 4
 - ☒ D. 3

Q.35 The mode of the observations 1, 1, 8, 3, 1, 3, 4, 3, 9, 9, 4, 3, 2, 2 and 6 is:

- Ans**
- ☒ A. 1
 - ☒ B. 3
 - ☒ C. 8
 - ☒ D. 5

Q.36 A car travels 209 km in the first hour and 83 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

- Ans** ☒ A. 146
☐ B. 150
☐ C. 141
☐ D. 142

Q.37 The cost of a washing machine is 26% less than the cost of a TV. If the cost of the washing machine increases by 86% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

- Ans** ☐ A. Increase by 38%
☐ B. Decrease by 29%
☐ C. Decrease by 30%
☒ D. Increase by 36%

Q.38 If the perimeter of a rectangle is 500 cm and its length is 1.5 times its breadth, then find the area of the rectangle (in cm²).

- Ans** ☐ A. 22,500
☐ B. 16,400
☒ C. 15,000
☐ D. 12,500

Q.39 The marked price of a painting was ₹3,800, but the shopkeeper offered a double discount in a successive manner of 22% and 25%. Ultimately for how much did he sell the item?

- Ans** ☐ A. ₹2,236
☒ B. ₹2,223
☐ C. ₹2,059
☐ D. ₹2,302

Q.40 ₹1,386 is divided among Vinod, Kajal, and Arpit in such a way that if ₹7, ₹41, and ₹12 be deducted from their respective shares, they have money in the ratio 4 : 10 : 12. Find the actual share of Kajal.

- Ans** ☐ A. ₹410
☐ B. ₹460
☐ C. ₹610
☒ D. ₹551

Q.41 Walking at $\frac{5}{6}$ of his normal speed from his home, Tarun is 16 minutes late. The usual time taken by him to cover the distance between his home and office is _____ minutes.



- Ans** ☐ A. 72 minutes
☐ B. 86 minutes
☒ C. 80 minutes
☐ D. 70 minutes

Q.42 Kanchan spends 60% of her income. If she saves ₹90,000, then her income (in ₹) is:

- Ans** ☒ A. 2,25,000
☐ B. 54,000
☐ C. 2,26,000
☐ D. 2,24,000

Q.43 The monthly incomes of two friends Chetan and Vipul are in the ratio 5 : 9 respectively and each of them saves ₹45,000 every month. If the ratio of their monthly expenditure is 2 : 4, then find the monthly income of Chetan (in ₹).

- Ans**
- ☒ A. 2,24,000
 - ☒ B. 3,15,000
 - ☒ C. 2,25,000
 - ☒ D. 2,26,000

Q.44 A father is currently four times as old as his son. Eighteen years from now, the father will be twice as old as his son. What is the father's present age?

- Ans**
- ☒ A. 45 years
 - ☒ B. 36 years
 - ☒ C. 49 years
 - ☒ D. 40 years

Q.45 What is the smallest value of a in the number a3724, so that the number formed is divisible by 3?

- Ans**
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 4

Q.46 P and Q together can fill a cistern with water in 6 hours. If P alone can fill the cistern with water in 24 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☒ A. 4
 - ☒ B. 5
 - ☒ C. 2
 - ☒ D. 3

Q.47 A packaging company requires cardboard for two sizes of rectangular boxes. The larger box measures 30 cm × 25 cm × 10 cm, and the smaller one measures 18 cm × 12 cm × 10 cm. An additional 6% of the total surface area is needed for overlaps. If cardboard costs ₹45 per 10,000 cm², calculate the total cost (in ₹, rounded off to the nearest hundreds) of cardboard needed to produce 400 big boxes and 500 small boxes.

- Ans**
- ☒ A. 7,400
 - ☒ B. 7,600
 - ☒ C. 7,500
 - ☒ D. 7,200

Q.48 Simplify the following expression for k = 2 and m = 1.

$$\frac{8^k \times 18^m \times 10^{k+m}}{4^{k+m} \times 27^m \times 5^{2k}}$$

- Ans**
- ☒ A. $1\frac{7}{15}$
 - ☒ B. $1\frac{4}{15}$
 - ☒ C. $1\frac{1}{15}$
 - ☒ D. $1\frac{8}{15}$

Q.49 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 24^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 5 : 7, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 13°
 - ☐ B. 12°
 - ☐ C. 16°
 - ☒ D. 8°

Q.50 A man buys a car for ₹3,00,000, spends ₹30,000 on modifications and sells it at 5% loss. What is the selling price?

- Ans**
- ☒ A. ₹3,13,500
 - ☐ B. ₹3,15,500
 - ☐ C. ₹3,11,500
 - ☐ D. ₹3,17,500

Section : General Intelligence and Reasoning

Q.51 Seven boxes A, B, C, D, P, Q and R are kept one over the other but not necessarily in the same order. Only four boxes are kept between R and B. Only Q is kept above R. Only two boxes are kept between A and P. D is kept immediately above C. P is not kept immediately above D. Which box is kept fourth from the top?

- Ans**
- ☒ A. D
 - ☐ B. C
 - ☐ C. Q
 - ☐ D. A

Q.52 Each of the digits in the number 59643127 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and third from the right in the new number thus formed?

- Ans**
- ☐ A. 11
 - ☒ B. 8
 - ☐ C. 13
 - ☐ D. 12

Q.53 Refer to the given series and answer the question the follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 8 8 8 3 6 8 4 8 7 9 9 2 7 7 4 6 7 8 5 8 4 2 9 5 4 8 7 (Right)

How many such odd 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. 2
 - ☒ C. 3
 - ☐ D. 4

Q.54 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWO IME YCU OSK ?

- Ans**
- ☐ A. EAS
 - ☐ B. EAW
 - ☒ C. EIA
 - ☐ D. EAI

Q.55 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

USO 48 NLH 39 GEA 30 ZXT 21 ?

- Ans**
- ☒ A. SWB 11
 - ☒ B. SRL 12
 - ☒ C. SQM 12
 - ☒ D. SPL 11

Q.56 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

ND - RH - VL

LB - PF - TJ

- Ans**
- ☒ A. RM - UT - PR
 - ☒ B. HK - LN - FL
 - ☒ C. QG - UK - YO
 - ☒ D. TW - YZ - SY

Q.57 A man is standing near a pond and is facing north. First, he turns 90 degrees clockwise, then 45 degrees anticlockwise. Finally, he turns 135 degrees clockwise. In which direction is the man facing now?

- Ans**
- ☒ A. West
 - ☒ B. South
 - ☒ C. East
 - ☒ D. North

Q.58 What should come in place of the question mark (?) in the given series?

6 19 33 48 64 ?

- Ans**
- ☒ A. 81
 - ☒ B. 85
 - ☒ C. 79
 - ☒ D. 84

Q.59 What should come in place of the question mark (?) in the given series?

41 51 62 74 87 ?

- Ans**
- ☒ A. 100
 - ☒ B. 103
 - ☒ C. 101
 - ☒ D. 102

Q.60 Fawad starts from Point A and drives 13 km towards north. He then takes a right turn, drives 11 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right 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?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 2 km to the east
 - ☒ B. 3 km to the east
 - ☒ C. 1 km to the east
 - ☒ D. 4 km to the east

- Q.61** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 6 9 2 7 3 5 7 5 9 4 3 1 6 7 5 5 7 4 8 1 1 8 6 9 1 1 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 8
☒ B. 9
☒ C. 6
☒ D. 7

- Q.62** What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$64 + (20 \times 4) \div 7 - 35 \times 5 + 8 \div 2 = ?$$

- Ans** ☒ A. 44
☒ B. 20
☒ C. 12
☒ D. 36

- Q.63** In a certain code language, 'LEMA' is coded as '4679' and 'ACME' is coded as '5946'. What is the code for 'C' in that language?

- Ans** ☒ A. 6
☒ B. 9
☒ C. 4
☒ D. 5

- Q.64** Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only A sits to the left of D. Only four people sit between A and B. Only C sits between E and F and E is not an immediate neighbour of B. How many people sit to the right of F?

- Ans** ☒ A. 2
☒ B. 3
☒ C. 4
☒ D. 1

- Q.65** If + means -, - means x, x means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$48 \times 4 + 7 - 3 \div 14 = ?$$

- Ans** ☒ A. 1
☒ B. 13
☒ C. 8
☒ D. 5

Q.66 In a certain code language,

A $\pm$ B means 'A is the wife of B',
A * B means 'A is the sister of B',
A $\bar{r}$ B means 'A is the father of B' and
A # B means 'A is the brother of B'.

How is D related to O if 'D $\pm$ R $\bar{r}$ A # C * O'?

- Ans ☒ A. Wife
☒ B. Mother
☒ C. Daughter
☒ D. Sister

Q.67 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 Fictions are Nonfictions.
Some Nonfictions are Poetries.
All Poetries are Dramas.

Conclusion (I): Some Nonfictions are Dramas.

Conclusion (II): Some Fictions are Dramas.

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

Q.68 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

HJI-GIH
EGF-DFE

- Ans ☒ A. GHF-EGF
☒ B. GIH-FHG
☒ C. GIH-EHF
☒ D. GHF-FHG

Q.69 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of B. C sits third to the left of B. D is an immediate neighbour of B. F sits to the immediate right of C. D sits to the immediate left of E. Who sits at the extreme right end of the row?

- Ans ☒ A. D
☒ B. B
☒ C. E
☒ D. F

Q.70 Seven boxes, L, M, N, O, Q, R and S, are kept one over the other, but not necessarily in the same order. Only three boxes are kept below L. Only two boxes are kept between L and M. Only Q is kept above S. R is kept at some place below O and at some place above N. Which box is kept at the second position from the bottom?

- Ans ☒ A. N
☒ B. M
☒ C. O
☒ D. R

Q.71 What should come in place of the question mark (?) in the given series?

8 ? 14 22 38 70

- Ans**
- ☒ A. 12
 - ☒ B. 10
 - ☒ C. 11
 - ☒ D. 13

Q.72 In a certain code language, 'send this reel' is coded as 'bh ut df' and 'send me money' is coded as 'hj mp bh'. How is 'send' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☒ A. ut
 - ☒ B. df
 - ☒ C. bh
 - ☒ D. mp

Q.73 This question is based on the five, three-digit numbers given below.

(Left) 458 569 248 671 349 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. Four

Q.74 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: All guns are bullets. All bullets are pistols.

Conclusion (I): All guns are pistols.

Conclusion (II): Some pistols are bullets.

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

Q.75 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. PXZD
 - ☒ B. TBDH
 - ☒ C. ZHIM
 - ☒ D. SACG

Q.76 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. OPU
☒ B. RSW
☒ C. ABG
☒ D. LMR

Q.77 A, B, C, D, E and F are sitting around a circular table, facing the centre. D sits third to the right of F. B sits second to the left of D. E sits second to the right of A. C sits to the immediate right of E. How many people sit between D and C, when counted from the left of C?

- Ans ☒ A. Four
☒ B. None
☒ C. Two
☒ D. One

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(8, 3, 25)
(5, 4, 21)

- Ans ☒ A. (6, 4, 17)
☒ B. (4, 6, 23)
☒ C. (7, 3, 22)
☒ D. (3, 7, 25)

Q.79 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ANP : VRK
QVF : LZA

- Ans ☒ A. WGD : SLZ
☒ B. GDV : BHQ
☒ C. CUE : AYC
☒ D. NDX : KHU

Q.80 Refer to the given series and answer the question that follows (All numbers are single digit numbers only.) **Counting to be done from left to right only.**

(Left) 8 1 8 4 3 2 9 5 8 7 7 6 5 5 3 6 2 1 5 8 7 6 1 6 1 3 3 (Right)

How many such odd 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. 4
☒ C. 3
☒ D. 6

Section : General Awareness and Current Affairs

Q.81 What was India's global rank in the aviation market according to the International Aviation Data 2024 report released in 2025?

- Ans**
- ☒ A. 5th
 - ☐ B. 6th
 - ☐ C. 3rd
 - ☐ D. 4th

Q.82 In January 2025, which two organisations signed a Memorandum of Understanding (MoU) for effective implementation of requirements of the Prevention of Money Laundering Act and Rules framed thereunder?

- Ans**
- ☐ A. Reserve Bank of India (RBI) and Insurance Regulatory and Development Authority of India (IRDAI)
 - ☐ B. Securities and Exchange Board of India (SEBI) and Life Insurance Corporation of India (LIC)
 - ☒ C. Financial Intelligence Unit – India (FIU-IND) and Insurance Regulatory and Development Authority of India (IRDAI)
 - ☐ D. State Bank of India (SBI) and Insurance Regulatory and Development Authority of India (IRDAI)

Q.83 Who set a new world record in the men's 100 m freestyle swimming at Olympic Games Paris, 2024?

- Ans**
- ☐ A. Tom Dean
 - ☐ B. David Popovici
 - ☒ C. Pan Zhanle
 - ☐ D. Kyle Chalmers

Q.84 In 2025, India celebrated the 10th anniversary of which major urban development scheme?

- Ans**
- ☒ A. Smart City Mission
 - ☐ B. Swachh Bharat Abhiyan
 - ☐ C. Prime Minister Awas Yojana
 - ☐ D. Atal Mission for Rejuvenation and Urban Transformation

Q.85 On 6 November 2025, where was the Indian Navy's survey ship INS Ikshak commissioned?

- Ans**
- ☒ A. Kochi
 - ☐ B. Mumbai
 - ☐ C. Port Blair
 - ☐ D. Visakhapatnam

Q.86 What was the unemployment rate among youth aged 15-29 in rural areas in May 2025, as per the PLFS?

- Ans**
- ☐ A. 10.5%
 - ☐ B. 17.9%
 - ☒ C. 13.7%
 - ☐ D. 15.2%

Q.87 What was the main objective of the Esports Conclave 2025 held in India?

- Ans**
- ☐ A. To promote board games in schools
 - ☒ B. To promote esports as a serious career and sporting option
 - ☐ C. To ban online games
 - ☐ D. To introduce gambling regulations

Q.88 Who took the most wickets (205) in IPL history before IPL 2025?

- Ans**
- ☐ A. Prasadh Krishna
 - ☒ B. Yuzvendra Chahal
 - ☐ C. Arshdeep Singh
 - ☐ D. Jasprit Bumrah

Q.89 During the nationwide "Seva Parv" campaign held from September 17 to October 2, 2025, which state pledged to plant 15 lakh saplings to promote environmental sustainability?

- Ans**
- ☐ A. Chhattisgarh
 - ☐ B. Gujarat
 - ☒ C. Uttar Pradesh
 - ☐ D. Assam

Q.90 The National Cooperation Policy, 2025, aims to make cooperatives key drivers for Viksit Bharat 2047 through _____.

- Ans**
- ☒ A. Sahkar-se-Samriddhi
 - ☐ B. Sabka Saath, Sabka Vikas
 - ☐ C. Shakti-se-Shraddha
 - ☐ D. Sashakt Bharat, Saksham Nagrik

Q.91 Who among the following is the head of the 7-member committee set up by the Insurance Regulatory and Development Authority of India (IRDAI) in February 2025 to examine and suggest amendments to the Insurance Act, 1938?

- Ans**
- ☐ A. Swaminathan Janakiraman
 - ☒ B. Dinesh Khara
 - ☐ C. TS Vijayan
 - ☐ D. Ajay Tyagi

Q.92 The Ministry of Minority Affairs launched the Skilling and Women Entrepreneurship Development project at the Indian Institute of Information Technology (IIIT) Kottayam in July 2025 to train minority youth and women in which of the following fields?

- Ans**
- ☐ A. Banking and financial literacy
 - ☒ B. Internet of Things (IoT) and leadership skills
 - ☐ C. Artificial intelligence and robotics
 - ☐ D. Agriculture and organic farming

Q.93 What is India's score in the SDG Index according to the 10th Sustainable Development Report, 2025?

- Ans**
- ☐ A. 99
 - ☐ B. 80
 - ☐ C. 100
 - ☒ D. 67

Q.94 Lamine Yamal, who won the Breakthrough of the Year award in 2025, plays which sport?

- Ans**
- ☐ A. Gymnastics
 - ☐ B. Basketball
 - ☐ C. Athletics
 - ☒ D. Football

Q.95 In August 2025, who assumed charge as the Director General of the Railway Protection Force (RPF), becoming the first woman to head the 143-year-old central security force?

- Ans**
- ☒ A. Sonali Mishra
 - ☐ B. Nina Singh
 - ☐ C. Rashmi Shukla
 - ☐ D. Archana Ramasundram

Q.96 Which three economies topped the IMD World Competitiveness Ranking in June 2025?

- Ans**
- ☐ A. Finland, Denmark, Sweden
 - ☐ B. Japan, Canada, UK
 - ☒ C. Switzerland, Singapore, Hong Kong
 - ☐ D. USA, China, Germany

Q.97 Which of the following is the best description of RHUMI-1, which was seen in the news in August 2024?

- Ans**
- ☐ A. A deep-sea research submersible
 - ☐ B. India's first Zika virus vaccine
 - ☐ C. A newly discovered exoplanet
 - ☒ D. India's first reusable hybrid rocket

Q.98 In June 2025, which authority made changes for reshaping motor insurance in India?

- Ans**
- ☐ A. Home Ministry
 - ☒ B. Insurance Regulatory and Development Authority of India
 - ☐ C. Information and Broadcast Unit
 - ☐ D. Unique Identification Authority of India

Q.99 As reported on 31 March 2025, which among the following wildlife sanctuaries added 63 new species, as revealed by its faunal survey conducted by the Forest Department?

- Ans**
- ☐ A. Amchang Wildlife Sanctuary
 - ☐ B. Kheoni Wildlife Sanctuary
 - ☒ C. Karimpuzha Wildlife Sanctuary
 - ☐ D. Chinnar Wildlife Sanctuary

Q.100 IndiaAI in collaboration with which company conducted the IndiaAI CyberGuard AI Hackathon in January 2025?

- Ans**
- ☐ A. Persistent Systems
 - ☒ B. I4C
 - ☐ C. Zensar Technologies
 - ☐ D. Kellton



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Sheetala Institute of Technology
Test Date	24/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is a use of washing soda?

- Ans
- ☒ A. Used in cooking
 - ☒ B. Removes the hardness of water
 - ☒ C. Used to kill bacteria in water
 - ☒ D. Used in treatment of hot water

Q.2 Why does the uterine lining become thick and spongy every month?

- Ans
- ☒ A. To support egg development
 - ☒ B. To prevent menstruation
 - ☒ C. To absorb nutrients
 - ☒ D. To nourish the embryo if fertilisation occurs

Q.3 Which of the following statements about epithelial tissue is correct?

- Ans
- ☒ A. Epithelial tissue mainly connects bones and muscles.
 - ☒ B. Epithelial tissue does not play any role in material exchange in the body.
 - ☒ C. Epithelial tissue forms a protective covering and regulates material exchange.
 - ☒ D. Epithelial tissue cells have large intercellular spaces and form a loose sheet.

Q.4 Spring balance A is attached at one end to spring balance B, whose other end is fixed to a rigid support. A force is applied to the free end of spring balance A. Both balances show the same reading. What does this observation indicate?

- Ans
- ☒ A. The force exerted by A on B is greater than that by B on A.
 - ☒ B. The force exerted by A on B is equal and opposite to the force exerted by B on A.
 - ☒ C. Only spring balance A exerts force on B.
 - ☒ D. Both balances exert forces in the same direction.

Q.5 After fertilisation, when other parts of the flower fall off, the ovary grows into what form?

- Ans
- ☒ A. Pollen tube
 - ☒ B. Fruit
 - ☒ C. Style
 - ☒ D. Anther

Q.6 Which process must accompany DNA copying to ensure the formation of functional daughter cells?

- Ans
- ☐ A. Protein synthesis only
 - ☒ B. Creation of additional cellular apparatus
 - ☐ C. Chromosomal mutation
 - ☐ D. RNA transcription only

Q.7 A chemical reaction in which two or more substances combine to form a single product is called:

- Ans
- ☒ A. combination reaction
 - ☐ B. decomposition reaction
 - ☐ C. double displacement reaction
 - ☐ D. displacement reaction

Q.8 Which of the following correctly describes the relation between frequency and wavelength?

- Ans
- ☐ A. $\nu + T = 1$
 - ☐ B. $\frac{\nu}{T} = 1$
 - ☒ C. $\nu T = 1$
 - ☐ D. $\nu T = 0$

Q.9 What is the relationship between the radius of curvature and the focal length for spherical mirrors with small apertures?

- Ans
- ☒ A. Radius of curvature is equal to twice the focal length
 - ☐ B. Radius of curvature is equal to half the focal length
 - ☐ C. Radius of curvature is equal to thrice the focal length
 - ☐ D. Radius of curvature is equal to the focal length

Q.10 Which of the following organisms will accumulate maximum concentration of DDT?

- Ans
- ☒ A. Human
 - ☐ B. Grass
 - ☐ C. Goat
 - ☐ D. Spider

Q.11 Which of the following statements best describes the properties of a liquid?

- Ans
- ☐ A. No fixed shape, no fixed volume
 - ☐ B. Fixed shape, fixed volume
 - ☒ C. No fixed shape, fixed volume
 - ☐ D. Fixed shape, no fixed volume

Q.12 The combining capacity of an element to each other primarily depends on which of the following?

- Ans
- ☒ A. Number of valence electrons
 - ☐ B. Number of protons
 - ☐ C. Number of neutrons
 - ☐ D. Number of energy level

Q.13 Which of the following statements is correct about gravitational force?

- Ans
- ☐ A. It can be both attractive and repulsive.
 - ☒ B. It is always attractive in nature.
 - ☐ C. It depends on the medium between the objects.
 - ☐ D. It depends on the charge of the objects.

Q.14 Which of the following statements correctly describes plastids in plant cells?

- Ans**
- ☐ A. They are present only in animal cells and absent in plant cells
 - ☒ B. They are present only in plant cells and absent in animal cells
 - ☐ C. They are found in prokaryotic cells like bacteria for photosynthesis
 - ☐ D. They are present in both plant and animal cells in equal amount

Q.15 Which two properties of carbon are mainly responsible for the formation of a large number of carbon compounds?

- Ans**
- ☐ A. High atomic mass and large atomic size
 - ☐ B. Metallic character and conductivity
 - ☒ C. Tetravalency and catenation
 - ☐ D. Tendency to form ionic bonds and lose electrons

Q.16 Which combination reaction also demonstrates the neutralisation of atmospheric pollution components?

- Ans**
- ☐ A. $\text{CO} + \text{O}_2 \rightarrow \text{CO}_2$
 - ☐ B. $\text{Fe} + \text{S} \rightarrow \text{FeS}$
 - ☒ C. $\text{CaO} + \text{CO}_2 \rightarrow \text{CaCO}_3$
 - ☐ D. $\text{SO}_2 + \text{H}_2\text{O} \rightarrow \text{H}_2\text{SO}_3$

Q.17 When an object is placed at infinity in front of a convex lens, the image formed is:

- Ans**
- ☐ A. At the optical centre, virtual and enlarged
 - ☐ B. At $2F$, real and of same size
 - ☐ C. Between F and $2F$, real and inverted
 - ☒ D. At the focus (F), real and highly diminished

Q.18 Which device relies on the heating effect of current to protect circuits and appliances by intentionally melting to break the circuit when the current exceeds a specified limit?

- Ans**
- ☐ A. Electric bulb filament
 - ☐ B. Rheostat
 - ☐ C. Electric iron coil
 - ☒ D. Electric fuse

Q.19 When a raised hammer falls on a nail and drives it into wood, the work done by the force of the hammer on the nail is positive. In this same scenario, which statement would describe negative work?

- Ans**
- ☐ A. The work done by the potential energy stored in the hammer.
 - ☒ B. The work done by the force exerted by the nail on the hammer.
 - ☐ C. The work done by the force of gravity acting on the nail as it moves into the wood.
 - ☐ D. The work done by the force of gravity acting on the hammer as it falls.

Q.20 What is the primary goal of reducing non-biodegradable waste production?

- Ans**
- ☐ A. To promote industrial growth
 - ☐ B. To make more space available in landfills
 - ☐ C. To recycle the waste
 - ☒ D. To conserve natural resources and minimise pollution

Q.21 Alloys, air, lemonade, and soda water are examples of which of the following categories of solutions?

- Ans**
- ☒ A. Homogeneous mixture
 - ☐ B. Colloids
 - ☐ C. Suspension
 - ☐ D. Heterogeneous mixture

Q.22 Which of the following happens when the distances between roots and leaves become large in plants?

- Ans**
- ☐ A. Diffusion becomes faster.
 - ☐ B. More chlorophyll is produced.
 - ☒ C. Diffusion becomes insufficient.
 - ☐ D. Roots absorb no water.

Q.23 Which of the following rules determines the direction of the magnetic field produced by a current carrying circular loop?

- Ans**
- ☐ A. Fleming's Right-Hand rule
 - ☐ B. Left-Hand Thumb rule
 - ☒ C. Right-Hand Thumb rule
 - ☐ D. Fleming's Left-Hand rule

Q.24 Formula unit mass is defined as:

- Ans**
- ☒ A. the sum of atomic masses of all atoms in a formula unit of an ionic compound
 - ☐ B. the molecular mass of a compound
 - ☐ C. the atomic mass of the lightest element
 - ☐ D. the mass of one molecule

Q.25 What is the nature of the distance-time graph for an object in non-uniform motion?

- Ans**
- ☒ A. A curved line
 - ☐ B. A vertical line
 - ☐ C. A straight line
 - ☐ D. A horizontal line

Section : Mathematics

Q.26 ₹8,413 is divided among S, B, and C in such a way that if ₹32, ₹60, and ₹71 are deducted from their respective shares, they have money in the ratio 5:11:14. Find the difference between the actual shares of B and C.

- Ans**
- ☐ A. ₹775
 - ☐ B. ₹925
 - ☒ C. ₹836
 - ☐ D. ₹675

Q.27 Two trains are running on parallel tracks towards each other. Train A is 250 meters long and is moving at a speed of 90 km/h. Train B is 150 meters long and is moving at a speed of 60 km/h. How much time (rounded off to the nearest seconds) will it take for Train A to completely pass Train B?

- Ans**
- ☐ A. 20 seconds
 - ☒ B. 10 seconds
 - ☐ C. 12 seconds
 - ☐ D. 15 seconds

Q.28 If the fourth proportion to 17, X and 7 is 91, then find the value of X.

- Ans
- ☐ A. 218
 - ☐ B. 222
 - ☒ C. 221
 - ☐ D. 219

Q.29 In an examination there are 150 questions and 4 marks are given for every correct answer and 1 mark is deducted for every wrong answer. A candidate attempted all 150 questions and scored 250 marks. Find the number of questions he answered correctly.

- Ans
- ☐ A. 60
 - ☐ B. 50
 - ☐ C. 70
 - ☒ D. 80

Q.30 A, B and C can do a piece of work in 3, 2 and 6 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans
- ☐ A. 4
 - ☒ B. 2
 - ☐ C. 6
 - ☐ D. 3

Q.31 A solid metallic cylinder of radius 4 cm and height 6 cm is melted and recast into smaller solid cylinders of radius 2 cm and height 3 cm. Find the ratio of the total surface areas of one small cylinder to the original cylinder.

- Ans
- ☐ A. 2 : 5
 - ☒ B. 1 : 4
 - ☐ C. 1 : 8
 - ☐ D. 1 : 3

Q.32 The average of the marks of 12 students in a class is 36. If the marks of each student are doubled, find the new average?

- Ans
- ☒ A. 72
 - ☐ B. 12
 - ☐ C. 36
 - ☐ D. 24

Q.33 The price of fuel decreases by 30%, 40% and 45% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places.)

- Ans
- ☐ A. Increases by 66.65%
 - ☒ B. Decreases by 61.89%
 - ☐ C. Decreases by 63.43%
 - ☐ D. Increases by 67.69%

Q.34 If $a^2 - b^2 = 21$ and $a - b = 3$, what is $a + b$?

- Ans
- ☐ A. 6
 - ☒ B. 7
 - ☐ C. 5
 - ☐ D. 8

Q.35 Dolly goes to a shop to purchase a toy bus priced at ₹5,300. She is offered 4 discount options by the shopkeeper. Which of the following options should she opt for to gain maximum advantage of the discount offered?

- Ans** ☒ A. Two successive discounts of 43% and 38%
☐ B. Single discount of 47%
☐ C. Two successive discounts of 7% and 7%
☐ D. Two successive discounts of 21% each

Q.36 The present ages of Rohit and his father are in the ratio 2 : 5. Four years from now, the ratio of their ages will become 12 : 27. What was the father's age (in years) five years ago from now?

- Ans** ☐ A. 50
☒ B. 45
☐ C. 52
☐ D. 48

Q.37 A girl goes to school at a speed of 20 km/h. She comes back with a speed of 12 km/h. Find her average speed for the whole journey.

- Ans** ☒ A. 15 km/h
☐ B. 14 km/h
☐ C. 17 km/h
☐ D. 16 km/h

Q.38 The average age of 30 students of a class is 12 years. If the age of the teacher is also included, the average age of the whole group becomes 13 years. The age (in years) of the teacher is:

- Ans** ☐ A. 46
☐ B. 45
☐ C. 44
☒ D. 43

Q.39 A pen is purchased for ₹40 and sold for ₹50. Find the profit percentage.

- Ans** ☐ A. 35%
☐ B. 20%
☐ C. 22%
☒ D. 25%

Q.40 Evaluate: $\sqrt{250 + \sqrt{19 + \sqrt{289}}} + \sqrt{620 + \sqrt{11 + \sqrt{196}}}$

- Ans** ☐ A. 31
☒ B. 41
☐ C. 45
☐ D. 25

Q.41 The amount on a sum of ₹7,800 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☐ A. ₹10,795
☐ B. ₹10,914
☐ C. ₹11,730
☒ D. ₹11,232

Q.42 The cost price of a whiteboard is ₹2,800. The shopkeeper gave 87% of discount on the cost price. What is the selling price (in ₹)?

- Ans ☐ A. 399
☒ B. 364
☐ C. 316
☐ D. 526

Q.43 A building is at a distance of 108 feet from point A on the ground. The angle of elevation of the top of the building from point A is θ . If $\tan \theta = 4/3$, then find the height (in feet) of the building.

- Ans ☐ A. 140
☐ B. 135
☐ C. 138
☒ D. 144

Q.44 The number of prime numbers between 308 and 320 is:

- Ans ☐ A. 6
☐ B. 7
☐ C. 1
☒ D. 3

Q.45 The sides of a triangle are 90 cm, 11 cm and 97 cm. What is the length of its altitude corresponding to the side with the length of 11 cm?

- Ans ☐ A. 97 cm
☒ B. 72 cm
☐ C. 105 cm
☐ D. 31 cm

Q.46 The monthly incomes of two friends Manjit and Keshav are in the ratio 5 : 9 respectively and each of them saves ₹48,000 every month. If the ratio of their monthly expenditure is 1 : 3, then find the monthly income of Manjit (in ₹).

- Ans ☐ A. 1,12,000
☐ B. 81,000
☒ C. 80,000
☐ D. 79,000

Q.47 Pipe A can fill a tank alone in 6 hours, pipe B can fill it in 9 hours, and three pipes are initially opened and after 1.5 hours, pipe C is discovered. work done by pipe C during the initial 1.5 hours is $\frac{x}{7}\%$ of the work done then the number of factors of x is:



- Ans ☐ A. 15
☒ B. 18
☐ C. 12
☐ D. 21

Q.48 A man receives ₹7,700 per month as salary. He saves 25% of his salary every month. His expenditure per month is:

- Ans**
- ☐ A. ₹5,761
 - ☐ B. ₹5,832
 - ☒ C. ₹5,775
 - ☐ D. ₹5,856

Q.49 Three solid metallic cubes of sides 2 cm, 12 cm and 16 cm are melted to form a new cube. Find the surface area of the cube so formed.

- Ans**
- ☐ A. 1744 cm^2
 - ☒ B. 1944 cm^2
 - ☐ C. 944 cm^2
 - ☐ D. 1644 cm^2

Q.50 The sum of two numbers is 50 and their LCM is 429. The two numbers are:

- Ans**
- ☒ A. 11, 39
 - ☐ B. 4, 46
 - ☐ C. 9, 41
 - ☐ D. 16, 34

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

100 70 45 25 10 ?

- Ans**
- ☐ A. 5
 - ☒ B. 0
 - ☐ C. -1
 - ☐ D. 1

Q.52 Z ranked 12th from the bottom and 56th from the top in his class. How many students are there in his class?

- Ans**
- ☒ A. 67
 - ☐ B. 65
 - ☐ C. 66
 - ☐ D. 68

Q.53 What should come in place of the question mark (?) in the given series?

1 2 6 7 16 ?

- Ans**
- ☐ A. 21
 - ☒ B. 17
 - ☐ C. 15
 - ☐ D. 18

Q.54 Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. Only two people sit between Q and I when counted from the left of I. H sits second to the left of S. R sits to the immediate right of S. R sits to the immediate left of Q. Who sits third to the right of G?

- Ans**
- ☐ A. R
 - ☒ B. S
 - ☐ C. H
 - ☐ D. Q

Q.55 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GIK-JLN

CEG-FHJ

- Ans** ☒ A. XYZ-ACE
☒ B. XYZ-ZBD
☒ C. XZB-ACE
☒ D. XZB-ZCD

Q.56 Refer to the following series and answer the question the follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 5 2 4 6 5 9 9 5 3 5 5 1 7 6 3 8 5 1 4 4 5 5 9 8 8 9 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 2
☒ B. 4
☒ C. 3
☒ D. 1

Q.57 Piyush starts from Point A and drives 54 km towards the north. He then takes a right turn, drives 56 km, turns right and drives 59 km. He then takes a right turn and drives 61 km. He takes a final right turn, drives 5 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. 7 km to the west
☒ C. 3 km to the east
☒ D. 6 km to the west

Q.58 This question is based on the five, three-digit numbers given below.

(Left) 658 223 661 257 666 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans** ☒ A. 14
☒ B. 9
☒ C. 11
☒ D. 12

- Q.59** 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:

All ships are eggs.
Some eggs are pencils.
All coins are ships.

Conclusions:

(I): Some ships are pencils.
(II): Some eggs are coins.

- 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.60** Priyanka walks to her uncle's house. She starts walking from her house towards the north for 3 m, turns left, and walks for 4 m. She then takes a left turn and walks for 5 m. Next, she takes a right turn and walks for 1 m. Finally, she takes a right turn and walks for 2 m to reach her uncle's house.

How far and in which direction is her house from her uncle's house?

- Ans** ☒ A. 4 m towards the north
☒ B. 5 m towards the east
☒ C. 3 m towards the west
☒ D. 7 m towards the east

- Q.61** Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

EZC, IDG, MHK, QLO, ?

- Ans** ☒ A. UPR
☒ B. UQR
☒ C. UPS
☒ D. UQS

- Q.62** Refer to the given following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \$ # @ * & € # 8 * 9 8 2 \$ & \$ 6 1 2 1 7 5 @ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☒ A. 1
☒ B. 3
☒ C. 2
☒ D. 4

- Q.63** 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?

12 D 10 C 5 B 21 A 3 = ?

- Ans** ☒ A. 31
☒ B. 36
☒ C. 37
☒ D. 32

Q.64 Mr. Akte ranked 12th from the bottom and 56th from the top in his class. How many students are there in his class?

- Ans** ☒ A. 67
☐ B. 65
☐ C. 68
☐ D. 66

Q.65 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 12, 148)
(32, 11, 172)

- Ans** ☐ A. (19, 35, 214)
☐ B. (40, 13, 210)
☒ C. (38, 15, 212)
☐ D. (24, 14, 154)

Q.66 In a certain code language,
P + Q means 'P is the mother of Q',
P # Q means 'P is the husband of Q',
P & Q means 'P is the sister of Q' and
P % Q means 'P is the father of Q'.

How is J related to Z if 'J # S + R & T % Z'?

- Ans** ☐ A. Father's mother
☐ B. Mother's father
☒ C. Father's father
☐ D. Mother's mother

Q.67 Six people, A, B, C, D, E and F, are sitting in a row, facing the north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C.
How many people sit between C and F?

- Ans** ☐ A. None
☐ B. One
☒ C. Two
☐ D. Three

Q.68 In a certain code language, 'LEMA' is coded as '2564' and 'HELM' is coded as '3246'. What is the code for 'H' in the given code language?

- Ans** ☐ A. 6
☐ B. 4
☒ C. 3
☐ D. 2

Q.69 BQVH is related to HLZE in a certain way. In the same way, HSJQ is related to NNNN. To which of the following is JOWF related, following the same logic?

- Ans** ☐ A. PKBC
☐ B. QJBD
☐ C. QKAD
☒ D. PJAC

Q.70 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 3 1 2 6 9 8 1 3 4 1 6 9 5 1 1 5 9 9 4 2 7 7 8 3 9 8 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

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

Q.71 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6318547, then what will be the difference between the highest and lowest digits in the new number thus formed?

- Ans
- ☒ A. 5
 - ☒ B. 6
 - ☒ C. 1
 - ☒ D. 3

Q.72 Seven friends D, E, F, U, V, W and X are sitting in a straight line facing the north. Only two people are seated to the left of E. Only three people are seated between E and W. Only one person is seated between W and V. U is seated to the immediate left of D. F is not an immediate neighbor of W. How many people are seated to the right of X?

- Ans
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.73 If 'A' stands for 'x', 'B' stands for '+', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

16 B 4 D 8 A 3 C 28 A 2 = ?

- Ans
- ☒ A. 40
 - ☒ B. 38
 - ☒ C. 35
 - ☒ D. 36

Q.74 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair 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. EI - BF
 - ☒ B. PT - MR
 - ☒ C. JN - GK
 - ☒ D. NR - KO

Q.75 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. TWY
 - ☒ B. YCD
 - ☐ C. HKM
 - ☐ D. XAC

Q.76 In a certain code language, 'give me more' is coded as 'bt lq nz' and 'give more water' is coded as 'hj bt nz'. How is 'water' coded in that language?

- Ans
- ☐ A. bt
 - ☐ B. lq
 - ☐ C. nz
 - ☒ D. hj

Q.77 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

GATE - ETGA - GTAE
PRAY - YAPR - PARY

- Ans
- ☐ A. MODE - EDMO - ODME
 - ☐ B. GUNS - GNUS - SNUG
 - ☒ C. USER - REUS - UESR
 - ☐ D. JOIN - OIJN - OINJ

Q.78 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KJN 72 RQU 63 YXB 54 FEI 45 ?

- Ans
- ☐ A. MUD 35
 - ☐ B. MMO 36
 - ☐ C. MKO 35
 - ☒ D. MLP 36

Q.79 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 dolphins are whales.
Some whales are sharks.

Conclusions:

(I) Some dolphins are sharks.
(II) No whale is a dolphin.

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

Q.80 What should come in place of the question mark (?) in the given series?

11 14 8 17 ? 20

- Ans** ☒ A. 5
☐ B. 12
☐ C. 10
☐ D. 16

Section : General Awareness and Current Affairs

Q.81 Which mobile application was introduced by the National Commission for Women in May 2025 to enhance women's digital literacy and safety in advanced digital tools?

- Ans** ☐ A. Kavalan Safety and Support Platform
☐ B. Digital Saathi for Women Empowerment
☐ C. Kaaval Uthavi Emergency Assistance Tool
☒ D. Yashoda Artificial Intelligence Learning App

Q.82 In August 2025, the first phase of the Darwin Tree of Life (DToL) project neared completion. What is the primary aim of this international biodiversity initiative?

- Ans** ☐ A. To engineer climate-resilient crops using data from ancestral plant genomes
☐ B. To map human migration patterns through ancient DNA found in fossils
☒ C. To sequence the genomes of all eukaryotic species in Britain and Ireland
☐ D. To decode the genetic basis of rare diseases in isolated human populations

Q.83 In March 2025, a rare long-snouted vine snake was rediscovered in which of the following national parks?

- Ans** ☐ A. Kanha National Park
☐ B. Gir National Park
☐ C. Bandhavgarh National Park
☒ D. Dudhwa National Park

Q.84 By how much has the grant for National Championships in high-priority sports been increased, as per the 2025 announcement?

- Ans** ☐ A. ₹51 lakh
☒ B. ₹39 lakh
☐ C. ₹90 lakh
☐ D. ₹30 lakh

Q.85 In June 2025, Indian Space Research Organisation (ISRO) and National Aeronautics and Space Administration (NASA) joint venture NISAR is planned to be launched by _____.

- Ans** ☐ A. GSLV-P16
☒ B. GSLV Mk II
☐ C. PSLV-CA
☐ D. SSLV

Q.86 Which city hosted the 38th National Games from 28 January to 14 February 2025?

- Ans** ☐ A. Mumbai
☒ B. Dehradun
☐ C. Bengaluru
☐ D. Delhi

Q.87 In which year did India present its Third Voluntary National Review (VNR) Report on Sustainable Development Goals (SDGs)?

- Ans** ☒ A. 2025
☐ B. 2024
☐ C. 2023
☐ D. 2022

Q.88 As notified in June 2025, the National Bank for Agriculture and Rural Development (NABARD), in collaboration with ICAR's National Institute for Research on Commercial Agriculture (NIRCA), partnered to train farmers and Farmer Producer Organizations (FPOs) in which state on advanced post-harvest technologies for chilli and turmeric?

- Ans** ☒ A. Andhra Pradesh
☐ B. Bihar
☐ C. West Bengal
☐ D. Haryana

Q.89 What was the monthly honorarium announced by the Odisha government for Padma Awardees, starting January 2025?

- Ans** ☒ A. ₹30,000
☐ B. ₹25,000
☐ C. ₹20,000
☐ D. ₹35,000

Q.90 Which private-sector facility was commissioned for aerospace titanium production?

- Ans** ☐ A. Tata Aircraft Complex
☒ B. Aerolloy Technologies
☐ C. Bharat Electronics Limited
☐ D. Hindustan Aeronautics Limited

Q.91 The Web-Portal for the Prime Minister's Awards for Excellence in Public Administration 2025 was officially launched on 1 October 2025 by which of the following?

- Ans** ☐ A. Bureau of Police Research and Development
☐ B. Department of Science and Technology
☐ C. Centre for Development of Advanced Computing
☒ D. Department of Administrative Reforms and Public Grievances

Q.92 According to the World Bank's Global Economic Prospects (June 2025), global growth is projected to slow markedly to what percentage in 2025?

- Ans** ☒ A. 2.3%
☐ B. 3.5%
☐ C. 0.5%
☐ D. 4.1%

Q.93 Who became the first Thai male badminton player to be ranked World No. 1 in men's singles in May 2025?

- Ans** ☐ A. Kento Momota
☐ B. Lee Zii Jia
☐ C. Kantaphon Wangcharoen
☒ D. Kunlavut Vitidsarn

Q.94 According to the Ministry of Environment, Forest and Climate Change's official release dated 1 September 2025 titled "In the last 8 years, Delhi witnesses best AQI figures in 2025 for the January–August period", what was Delhi's average AQI during January–August 2025?

- Ans**
- ☐ A. 187
 - ☐ B. 194
 - ☒ C. 172
 - ☐ D. 174

Q.95 Which prestigious theatre awards took place on 6 April 2025 at the Royal Albert Hall?

- Ans**
- ☐ A. Evening Standard Theatre Awards
 - ☐ B. Tony Awards
 - ☒ C. Laurence Olivier Awards
 - ☐ D. Critics' Circle Theatre Awards

Q.96 As per the Reserve Bank of India (RBI), Gross Domestic Product (GDP) growth for 2025-26 is projected for Q4 at:

- Ans**
- ☐ A. 6.7%
 - ☒ B. 6.5%
 - ☐ C. 6.8%
 - ☐ D. 6.3%

Q.97 In August 2025, the Department of Posts signed a Memorandum of Understanding with which association in an effort to broaden access to mutual fund products, leveraging the trust and reach of post offices across the country?

- Ans**
- ☐ A. Insurance Regulatory and Development Authority of India
 - ☒ B. Association of Mutual Funds in India
 - ☐ C. Confederation of Indian Industry
 - ☐ D. All India Association of Mutual Fund Advisors

Q.98 What is the primary focus of Mission Shakti 5.0 launched by Uttar Pradesh Chief Minister Yogi Adityanath?

- Ans**
- ☒ A. Women's safety, dignity, and self-reliance
 - ☐ B. Agricultural reforms
 - ☐ C. Economic development
 - ☐ D. Infrastructure development

Q.99 Where was the main Infantry Day wreath laying ceremony held on the occasion of 79th Valour Day in 2025?

- Ans**
- ☐ A. Army Headquarters
 - ☐ B. Red Fort
 - ☐ C. India Gate
 - ☒ D. National War Memorial

Q.100 Which organisation received the 2025 Laureus Sport for Good Award for using football to support social change?

- Ans**
- ☐ A. Right to Play
 - ☐ B. Football for Peace
 - ☐ C. Street League
 - ☒ D. Kick4Life



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
 CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	i-Tech Zone
Test Date	26/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 When an object is placed at the focus of a convex lens, the formation of image is _____.

- Ans**
- ☒ A. at the centre of curvature
 - ☒ B. between F and 2F
 - ☒ C. on the same side as the object
 - ☒ D. at infinity

Q.2 The principal focus of a convex lens is _____.

- Ans**
- ☒ A. the point where diverging rays meet
 - ☒ B. always at infinity
 - ☒ C. the point where parallel rays converge
 - ☒ D. the point behind the lens where rays diverge

Q.3 Which of the following cellular organelles performs the function of storage, modification and packaging of products in vesicles?

- Ans**
- ☒ A. Ribosomes
 - ☒ B. Chloroplast
 - ☒ C. Golgi Complex
 - ☒ D. Vacuoles

Q.4 Which of the following best explains the importance of fertilisation in sexual reproduction?

- Ans**
- ☒ A. It allows the formation of an embryo
 - ☒ B. It cleanses the reproductive tract
 - ☒ C. It increases the number of eggs in females
 - ☒ D. It helps the uterus for menstrual flow

Q.5 An object of mass 12 kg is located such that its potential energy relative to the ground is 480 J. Assuming $g = 10 \text{ m s}^{-2}$, what is the height (h) of the object?

- Ans**
- ☒ A. 40 m
 - ☒ B. 120 m
 - ☒ C. 4 m
 - ☒ D. 2 m

Q.6 What does the term 'formula unit mass' refer to?

- Ans**
- ☐ A. Total mass of atoms in one mole of a compound
 - ☐ B. Mass of a single proton in an atom
 - ☒ C. Sum of atomic masses of all atoms in the compound
 - ☐ D. Mass of one molecule of a covalent compound

Q.7 Which of the following trophic levels is occupied by the tertiary consumers?

- Ans**
- ☐ A. Third trophic level
 - ☐ B. First trophic level
 - ☐ C. Second trophic level
 - ☒ D. Fourth trophic level

Q.8 What determines the atomic number of an element?

- Ans**
- ☐ A. Number of electrons in all shells
 - ☐ B. Difference between mass and charge
 - ☐ C. Number of neutrons in an isotope
 - ☒ D. Total number of protons in nucleus

Q.9 A basic solution will have a pH:

- Ans**
- ☐ A. Equal to 7
 - ☐ B. That cannot be predicted
 - ☐ C. Less than 7
 - ☒ D. Greater than 7

Q.10 When a more reactive metal is placed in the salt solution of a less reactive metal, it:

- Ans**
- ☒ A. displaces the less reactive metal
 - ☐ B. gets oxidised
 - ☐ C. gets reduced
 - ☐ D. does not react

Q.11 Why is carbon able to form a large number of compounds?

- Ans**
- ☐ A. It forms strong ionic bonds.
 - ☐ B. It is highly reactive.
 - ☒ C. It shows catenation and tetravalency.
 - ☐ D. It has high density.

Q.12 Hydrometers are tools used to measure the density of liquids. Which scientific principle are they based on?

- Ans**
- ☐ A. Newton's First Law
 - ☐ B. Pascal's Law
 - ☐ C. Universal law of Gravitation
 - ☒ D. Archimedes' Principle

Q.13 Refer to the two statements given below and choose the correct option.

Statement A: Acids react with all metals to form hydrogen gas.

Statement B: Gold and platinum also react with acids to release hydrogen.

- Ans**
- ☒ A. Both statements A and B are incorrect.
 - ☐ B. Statement A is incorrect but B is correct.
 - ☐ C. Both statements A and B are correct.
 - ☐ D. Statement A is correct but B is incorrect.

Q.14 What is the primary purpose of the process of nutrition in living organisms?

- Ans**
- ☐ A. To regulate visible movement and reproduction
 - ☐ B. To form oxygen molecules required for photosynthesis
 - ☐ C. To produce carbon dioxide and other waste materials
 - ☒ D. To obtain energy and raw materials from external sources

Q.15 Which of the following is a homogeneous mixture?

- Ans**
- ☒ A. Air
 - ☐ B. Sand and iron
 - ☐ C. Oil and water
 - ☐ D. Water and ice

Q.16 A body of mass ' m ' experiences a force ' F ', producing an acceleration ' a '. If the same force acts on a body of mass ' $2m$ ', the acceleration produced will be:

- Ans**
- ☐ A. $a/4$
 - ☐ B. $2a$
 - ☒ C. $a/2$
 - ☐ D. a

Q.17 If the length of a uniform metallic conductor is doubled, and simultaneously its area of cross-section is doubled, how does the resistance of the conductor change?

- Ans**
- ☒ A. It remains the same as the original resistance.
 - ☐ B. It becomes four times the original resistance.
 - ☐ C. It decreases to one-half of the original resistance.
 - ☐ D. It doubles the original resistance.

Q.18 Which quantity changes due to an unbalanced force?

- Ans**
- ☐ A. Time
 - ☐ B. Mass
 - ☐ C. Density
 - ☒ D. Velocity

Q.19 Which cropping pattern involves growing two or more crops together on the same land at the same time, but in a defined row or spatial arrangement?

- Ans**
- ☐ A. Crop rotation
 - ☐ B. Monocropping
 - ☒ C. Intercropping
 - ☐ D. Mixed cropping

Q.20 Which of the following correctly describes the SI unit of electric power and the commercial unit of electrical energy, respectively?

- Ans**
- ☐ A. Kilowatt-hour (kWh); Watt (W)
 - ☐ B. Watt (W); Joule (J)
 - ☒ C. Watt (W); Kilowatt-hour (kWh)
 - ☐ D. Volt (V); Joule (J)

Q.21 A sound wave has a wavelength of 0.5 m and frequency 680 Hz. The speed of sound is:

- Ans**
- ☒ A. 340 m/s
 - ☐ B. 1360 m/s
 - ☐ C. 680 m/s
 - ☐ D. 170 m/s

Q.22 Muscle cells show higher mitochondrial activity after exercise. The result indicates which of the following?

- Ans**
- ☐ A. Cell division stops.
 - ☐ B. Mitochondria cause fatigue.
 - ☒ C. More energy is required during activity.
 - ☐ D. Cells are becoming larger.

Q.23 What happens to the egg if it is NOT fertilised?

- Ans**
- ☐ A. It becomes an embryo.
 - ☐ B. It survives for a week.
 - ☒ C. It lives for about one day and then disintegrates.
 - ☐ D. It implants in the uterus.

Q.24 Which of the following is NOT a typical characteristic of plants produced through vegetative propagation?

- Ans**
- ☐ A. They are genetically identical to the parent.
 - ☐ B. They flower and fruit earlier than seed-grown plants.
 - ☐ C. They do not require pollination.
 - ☒ D. They show variation in characteristics among offspring.

Q.25 What is the energy absorbed during change of state at constant temperature called?

- Ans**
- ☒ A. Latent heat
 - ☐ B. Thermal energy
 - ☐ C. Kinetic energy
 - ☐ D. Specific heat

Section : Mathematics

Q.26 The base diameter of a closed cylinder is 24 ft and height is 9 ft. Find

(Use $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 1574 ft²
 - ☒ B. 1584 ft²
 - ☐ C. 1564 ft²
 - ☐ D. 1594 ft²

Q.27 If $a + b + c = 0$, then the value of $(a^3 + b^3 + c^3)^2$ is:

- Ans**
- ☐ A. $6a^2b^2c^2$
 - ☐ B. $9abc$
 - ☐ C. $3a^2b^2c^2$
 - ☒ D. $9a^2b^2c^2$

- Q.28** A sphere is lowered into water which is filled up to the brim in a conical vessel of radius 12 cm and height 16 cm. The size of the sphere is such that when it touches the sides of the cone, the sphere is just immersed into the cone. Find the ratio of the volume of water that has overflowed to the volume of water left in the cone.

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

- Ans** ☒ A. 4 : 5
☒ B. 3 : 5
☒ C. 2 : 7
☒ D. 5 : 7

- Q.29** Walking at $\frac{5}{7}$ th of his normal speed from his home, Shahid is 22 min late. The usual time taken by him to cover the distance between his home and



- Ans** ☒ A. 48 minutes
☒ B. 55 minutes
☒ C. 51 minutes
☒ D. 61 minutes

- Q.30** If an item is bought for ₹800 and sold for ₹740, what is the loss percentage?

- Ans** ☒ A. 6.5%
☒ B. 9.5%
☒ C. 7.5%
☒ D. 8.5%

- Q.31** If 40% of 50% of $\frac{1}{2}$ of a number is 900, find the number.

- Ans** ☒ A. 12730
☒ B. 11490
☒ C. 8410
☒ D. 9000

- Q.32** A student simplifies the expression: 0.25 raised to the power 6, divided by 0.5 raised to the power 4. She writes the final answer in the form 0.5^{x+3} .



- Ans** ☒ A. 10
☒ B. 4
☒ C. 6
☒ D. 7

- Q.33** 102 men have provisions for 30 weeks. They are joined by 78 men. How long (in weeks) will the provisions last?

- Ans** ☒ A. 21
☒ B. 19
☒ C. 15
☒ D. 17

Q.34 Find a single discount (approximately) equal to three consecutive discounts of 11%, 12% and 2%.

- Ans**
- ☐ A. 23.97%
 - ☒ B. 23.25%
 - ☐ C. 20.49%
 - ☐ D. 25.59%

Q.35 One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 12
 - ☒ B. 6
 - ☐ C. 7
 - ☐ D. 13

Q.36 In a test, B got 50 marks while A got 75 marks, out of 85 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

- Ans**
- ☐ A. 85.79%
 - ☐ B. 88.23%
 - ☐ C. 150.28%
 - ☒ D. 66.67%

Q.37 In a quadrilateral QRST, $\angle Q = 96^\circ$ and $\angle R = 43^\circ$. The bisectors of $\angle S$ and $\angle T$ meet at E. What is the measure of $\angle TES$?

- Ans**
- ☒ A. 69.5°
 - ☐ B. 56°
 - ☐ C. 78°
 - ☐ D. 70.5°

Q.38 An agent sells a turbo cooker with a marked price of ₹6,370 at a discount of 60%. What is the selling price (in ₹) of the turbo cooker?

- Ans**
- ☒ A. 2,548
 - ☐ B. 2,546
 - ☐ C. 2,549
 - ☐ D. 2,547

Q.39 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 11 February 2023 to 25 April 2023.

- Ans**
- ☐ A. 27
 - ☐ B. 26
 - ☐ C. 29
 - ☒ D. 28

Q.40 Raju has ₹50 more than Riya. Together they have ₹350. How much money does Raju have?

- Ans**
- ☒ A. ₹200
 - ☐ B. ₹225
 - ☐ C. ₹150
 - ☐ D. ₹250

Q.41 A train covers a distance of 270 km in 4.5 hours. What is the speed of the train?

- Ans** ☒ A. 60 km/h
☐ B. 70 km/h
☐ C. 55 km/h
☐ D. 65 km/h

Q.42 Find the HCF of 44, 110 and 198.

- Ans** ☐ A. 11
☐ B. 44
☒ C. 22
☐ D. 33

Q.43 The difference between the ages of Girish and Rohan is 10 years. 15 years ago, Girish was twice as old as Rohan. Find Girish's present age.

- Ans** ☒ A. 35 years
☐ B. 37 years
☐ C. 32 years
☐ D. 39 years

Q.44 If $\tan \theta = \frac{1-p^2}{2p}$ and θ is an acute angle, find the value of $\sin \theta$

- Ans** ☐ A. $\frac{2p}{1+p^2}$
☐ B. $\frac{1+p^2}{1-p^2}$
☐ C. $\frac{1+p^2}{2p}$
☒ D. $\frac{1-p^2}{1+p^2}$

Q.45 Two pipes, A and B, can fill a cistern in 6 hours and 8 hours, respectively. Pipe C can empty the cistern in 10 hours. Initially, pipes A and B are opened together to fill the cistern for 3 hours. After 3 hours, pipe A is closed, and pipes B and C are opened together. By what percentage was the time taken by pipes B and C to fill the remaining part of the cistern greater than the time taken by pipes A and B to fill it in the first 3 hours?

- Ans** ☐ A. $\frac{150}{3}\%$
☐ B. $\frac{50}{3}\%$
☒ C. $\frac{200}{3}\%$
☐ D. $\frac{100}{3}\%$

Q.46 ₹10,511 is divided among X, Y, and Z in such a way that if ₹87, ₹42, and ₹12 be deducted from their respective shares, they have money in the ratio 6 : 16 : 12. Find the difference between the Y's and Z's original shares.

- Ans** ☒ A. ₹1,250
☐ B. ₹1,120
☐ C. ₹1,370
☐ D. ₹1,320

Q.47 The arithmetic mean of the observations 52, 40, 76, 99, 52, 27, 80, 27 and 24 is:

- Ans ☐ A. 60
☐ B. 47
☐ C. 56
☒ D. 53

Q.48 The mean and the mode of a set of data are 86.7 and 51.3, respectively. Find the median of the data, using the empirical formula.

- Ans ☐ A. 74
☐ B. 75.8
☒ C. 74.9
☐ D. 76.2

Q.49 If the fourth proportional to P, 15 and 20 is 1, then find the value of P.

- Ans ☐ A. 302
☐ B. 297
☐ C. 298
☒ D. 300

Q.50 The price of fuel decreases by 50%, 40% and 20% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans ☒ A. Decreases by 64%
☐ B. Decreases by 62%
☐ C. Increases by 61%
☐ D. Increases by 65%

Section : General Intelligence and Reasoning

Q.51 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 9 5 6 8 9 2 9 7 2 9 4 3 1 5 4 5 8 2 4 1 4 3 1 4 8 1 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans ☐ A. 6
☒ B. 5
☐ C. 7
☐ D. 4

Q.52 KNSM is related to ORWQ in a certain way based on the English alphabetical order. In the same way, NQVP is related to RUZT. To which of the given options is GJOI related, following the same logic?

- Ans ☒ A. KNSM
☐ B. KOSL
☐ C. KNSL
☐ D. KOSM

Q.53 Prakash starts from Point A and drives 35 km towards the south. He then takes a right turn, drives 38 km, turns right and drives 41 km. He then takes a right turn and drives 54 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. 16 km to the west
☐ B. 17 km to the east
☐ C. 18 km to the east
☐ D. 15 km to the west

Q.54 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YCG 87 IMQ 95 SWA 103 CGK 111 ?

- Ans** ☒ A. MQU 119
☐ B. MPT 118
☐ C. MRT 119
☐ D. MRX 118

Q.55 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 brinjals are peppers.
Some peppers are turnips.

Conclusions:

(I) Some brinjals are turnips.
(II) All turnips are peppers.

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

Q.56 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWE UYG WAI YCK ?

- Ans** ☐ A. AME
☐ B. ASE
☒ C. AEM
☐ D. ADE

Q.57 Anant starts from Point A and drives 32 km towards the south. He then takes a left turn, drives 34 km, turns left and drives 35 km. He then takes a left turn and drives 38 km. He takes a final left turn, drives 3 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. 5 km to the west
☒ C. 4 km to the east
☐ D. 3 km to the east

Q.58 Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line facing north. Only four people sit to the right of O. Only three people sit between O and S. Only one person sits between S and L. R sits to the immediate left of M. N is not an immediate neighbour of S. How many people sit to the right of Q?

- Ans**
- ☐ A. Three
 - ☐ B. Two
 - ☒ C. One
 - ☐ D. Four

Q.59 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:

All fruits are vegetables.

No vegetable is a pumpkin.

Conclusions:

(I): No fruit is a pumpkin.

(II): Some pumpkins are vegetables.

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

Q.60 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$17 \div 18 + 88 \times 2 - 313 = ?$$

- Ans**
- ☐ A. 534
 - ☒ B. 575
 - ☐ C. 597
 - ☐ D. 512

Q.61 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

JGF-GDC

FCB-CZY

- Ans**
- ☐ A. BXV-XUT
 - ☒ B. BYX-YVU
 - ☐ C. BXV-YVU
 - ☐ D. BYX-XVT

Q.62 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?

$$65 \text{ B } 7 \text{ D } 912 \text{ A } 6 \text{ C } 98 = ?$$

- Ans**
- ☐ A. 471
 - ☐ B. 410
 - ☐ C. 444
 - ☒ D. 401

- Q.63** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 4 5 8 3 9 6 5 7 3 9 1 4 2 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☒ A. Three
☐ B. One
☐ C. Two
☐ D. None

- Q.64** A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the right of C. C sits second to the left of A. F sits third to the right of D. D sits to the immediate left of E. How many people sit between E and B, when counted from the left of E?

- Ans** ☒ A. One
☐ B. Two
☐ C. None
☐ D. Four

- Q.65** In a row of 52 people facing north, Neena is 24th from the right end. If Mishti sits 15th to the left of Neena, what is Mishti's position from the left end of the line?

- Ans** ☒ A. 14th
☐ B. 13th
☐ C. 15th
☐ D. 16th

- Q.66** What should come in place of the question mark (?) in the given series?

63 72 82 93 105 ?

- Ans** ☐ A. 120
☒ B. 118
☐ C. 116
☐ D. 114

- Q.67** In a certain code language, "VACP" is coded as "126" and "MHTJ" is coded as "153". What is the code for "OGQE" in that language?

- Ans** ☐ A. 135
☒ B. 132
☐ C. 129
☐ D. 140

- Q.68** Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 7 2 6 9 7 6 5 7 7 8 8 3 6 3 6 8 3 2 5 5 2 3 1 4 6 1 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☐ A. 6
☐ B. 5
☒ C. 4
☐ D. 3

Q.69 In a certain code language, "XANJ" is coded as "98" and "VLQG" is coded as "116". What is the code for "ZRHU" in that language?

- Ans** ☒ A. 141
☒ B. 130
☒ C. 146
☒ D. 139

Q.70 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 € \$ 4 9 & & 4 € @ © 7 @ 7 9 1 8 # 8 % 5 £ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. 4
☒ B. 3
☒ C. 8
☒ D. 9

Q.71 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 28, 2)
(13, 39, 3)

- Ans** ☒ A. (15, 45, 3)
☒ B. (11, 55, 6)
☒ C. (16, 32, 3)
☒ D. (17, 65, 5)

Q.72 Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?

989 979 969 ? 949 ? 929

- Ans** ☒ A. 929 and 939, respectively
☒ B. 959 and 929, respectively
☒ C. 959 and 939, respectively
☒ D. 949 and 939, respectively

Q.73 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

CL-FO-IK
EN-HQ-KM

- Ans** ☒ A. GP-JS-MO
☒ B. HP-JS-MN
☒ C. HP-JR-MN
☒ D. GP-JS-MN

Q.74 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. FHJ
 - ☐ B. WYA
 - ☐ C. GIK
 - ☒ D. UXY

Q.75 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only two people sit between F and C, when counted from the right of F. Only two people sit between C and A, when counted from the right of C. Only three people sit between F and G, when counted from the right of F. E sits to the immediate left of D. How many people sit between D and F, when counted from the right of D?

- Ans
- ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☒ D. 4

Q.76 What should come in place of the question mark (?) in the given series?

191 181 182 172 173 163 ?

- Ans
- ☒ A. 164
 - ☐ B. 161
 - ☐ C. 163
 - ☐ D. 162

Q.77 In a certain code language,
'A + B' means 'A is the brother of B',
'A - B' means 'A is the sister of B',
'A × B' means 'A is the mother of B' and
'A ÷ B' means 'A is the son of B'.

How is V related to Y if 'V + W × X - Z ÷ Y'?

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

Q.78 Dayanand ranked 17th from the top and 11th from the bottom in his class. How many students are there in the class?

- Ans
- ☐ A. 28
 - ☒ B. 27
 - ☐ C. 26
 - ☐ D. 25

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. ECG
 - ☒ B. KJM
 - ☐ C. QOS
 - ☐ D. USW

Q.80 If 3 is added to each even digit and 2 is added to each odd digit in the number 3267541, what will be the sum of the last two and first two digits in the new number thus formed?

- Ans
- ☒ A. 20
 - ☐ B. 35
 - ☐ C. 28
 - ☐ D. 40

Section : General Awareness and Current Affairs

Q.81 Which of the following organisations successfully flight-tested the nuclear-capable Agni-5 missile in August 2025?

- Ans
- ☐ A. Bharat Dynamics Limited (BDL)
 - ☐ B. Hindustan Aeronautics Limited (HAL)
 - ☒ C. Defence Research and Development Organisation (DRDO)
 - ☐ D. Indian Space Research Organisation (ISRO)

Q.82 Who holds the record for most IPL fifty-plus scores as of 2025?

- Ans
- ☐ A. David Warner
 - ☐ B. Shikhar Dhawan
 - ☒ C. Virat Kohli
 - ☐ D. Rohit Sharma

Q.83 Which team won the 2025 EFL Championship playoff final and secured promotion to the Premier League?

- Ans
- ☒ A. Sunderland
 - ☐ B. Southampton
 - ☐ C. Sheffield United
 - ☐ D. Leeds United

Q.84 On 24 July 2025, the Ministry of Ports, Shipping and Waterways hosted which event in New Delhi to deliberate on financial strategies for India's maritime future?

- Ans
- ☐ A. Maritime Development Forum, 2025
 - ☐ B. India Maritime Vision 2047 Conference
 - ☐ C. Port & Shipping Investment Summit, 2025
 - ☒ D. Maritime Financing Summit, 2025

Q.85 What is the title of Arundhati Roy's latest book, released in September 2025?

- Ans
- ☐ A. The Ministry of Utmost Happiness
 - ☐ B. The Architecture of Modern Empire
 - ☒ C. Mother Mary Comes to Me
 - ☐ D. Azadi: Freedom. Fascism. Fiction

Q.86 The Central Pollution Control Board (CPCB) introduced a new Blue Category for industries through a circular in February 2025. Which industries fall under it?

- Ans**
- ☐ A. High-polluting industries like refineries
 - ☐ B. IT and software service providers such as Infosys
 - ☐ C. Textile and leather industries
 - ☒ D. Essential environmental services like waste-to-energy plants

Q.87 In March 2025, which 12-year-old swimmer set a record by completing the 17 km open-water swim from Gateway of India to Atal Setu?

- Ans**
- ☒ A. Tanay Tushar Lad
 - ☐ B. Rohan Mehta
 - ☐ C. Arjun Borse
 - ☐ D. Vihaan Sharma

Q.88 Which political party has won the bye elections to the constituency of Ludhiana west held in June 2025?

- Ans**
- ☐ A. Bhartiya Janata Party
 - ☐ B. Punjab Seva Dal
 - ☐ C. Indian National Congress
 - ☒ D. Aam Aadmi Party

Q.89 Which of the following famous footballers was awarded the United States Presidential Medal of Freedom in January 2025, the highest civilian honour of the United States of America?

- Ans**
- ☐ A. Neymar Jr.
 - ☒ B. Lionel Messi
 - ☐ C. Cristiano Ronaldo
 - ☐ D. Luiz Suarez

Q.90 In which of the following cities was the regional meeting with Waqf Boards held in October 2025?

- Ans**
- ☐ A. Hyderabad
 - ☐ B. Delhi
 - ☐ C. Mumbai
 - ☒ D. Bengaluru

Q.91 In April 2025, the Reserve Bank of India (RBI) mandated banks to move to the '.bank.in' domain by _____.

- Ans**
- ☐ A. 30 May 2025
 - ☒ B. 31 October 2025
 - ☐ C. 31 March 2026
 - ☐ D. 31 December 2025

Q.92 Which automobile company successfully conducted a launch and landing test of its first experimental reusable rocket on June 17, 2025, in Hokkaido, Japan?

- Ans**
- ☒ A. Honda
 - ☐ B. Mitsubishi
 - ☐ C. Hyundai
 - ☐ D. Toyota

Q.93 "Operation Abhyaas", a nationwide civil defence mock drill held on 7 May 2025, was organized by which of the following in India?

- Ans**
- ☒ A. Ministry of Home Affairs
 - ☐ B. Ministry of Finance
 - ☐ C. NITI Ayog
 - ☐ D. Indian Institute of Administrative Sciences

Q.94 In May 2025, the Reserve Bank of India (RBI) approved the renaming of the North East Small Finance Bank to _____.

- Ans**
- ☐ A. Synergy Small Finance Bank Limited
 - ☐ B. Northeast Micro Finance Bank Limited
 - ☒ C. Slice Small Finance Bank Limited
 - ☐ D. North East Regional Finance Bank Limited

Q.95 Where was the World Health Summit Regional Meeting, 2025, held?

- Ans**
- ☐ A. Kolkata
 - ☐ B. Patna
 - ☐ C. Guwahati
 - ☒ D. New Delhi

Q.96 In November 2025, where will COP30 the UN Climate Change Conference be held?

- Ans**
- ☐ A. Nairobi, Kenya
 - ☒ B. Belém, Brazil
 - ☐ C. Quito, Ecuador
 - ☐ D. Bangkok, Thailand

Q.97 As per the Commission for Air Quality Management (CAQM)-revised Graded Response Action Plan (GRAP) for the entire NCR in November 2025, which measure was advanced from Stage II to Stage I?

- Ans**
- ☐ A. Allowing offices to work on 50% strength and the rest from home
 - ☐ B. Staggering timings for public offices in Delhi and key NCR districts
 - ☒ C. Ensuring uninterrupted power supply to discourage use of DG sets
 - ☐ D. Complete ban on all construction activities across NCR

Q.98 In June 2025, Union Home Minister Amit Shah unveiled the Flood Hazard Zonation Atlas of which state?

- Ans**
- ☒ A. Assam
 - ☐ B. Maharashtra
 - ☐ C. Gujarat
 - ☐ D. Himachal Pradesh

Q.99 Which of the following institutions co-organised 'the Belém Health Action Plan' event with the WHO and other UN partners at COP30 in November 2025?

- Ans**
- ☐ A. National Institutes of Health (NIH)
 - ☐ B. Global Institute of Public Health (GIPH)
 - ☐ C. World Trade Institute (WTI)
 - ☒ D. United Nations University (UNU)

Q.100 The West Bengal workplace safety guidelines (2025) specify that night shifts for women must include _____.

- Ans**
- ☐ A. at least 50% female security personnel on every shift
 - ☐ B. only women supervisors
 - ☐ C. at least two-third female staff or 20 women, whichever is higher
 - ☒ D. at least 10 women or one-third of the total staff, whichever is higher



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ RGPM Sankhedi
Test Date	26/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is an asexual method of reproduction in organisms like amoeba?

- Ans**
- ☒ A. Budding
 - ☒ B. Fragmentation
 - ☒ C. Spore formation
 - ☒ D. Binary fission

Q.2 When an object is moved slowly and gradually closer to a convex mirror from infinity towards the pole (P), what can we say about the image?

- Ans**
- ☒ A. Moves from the principal focus (F) towards the pole (P)
 - ☒ B. Moves away from the mirror
 - ☒ C. Moves from the pole (P) towards the principal focus (F)
 - ☒ D. Remains at the principal focus (F)

Q.3 A solid cube of wood has a density less than water. When it is placed in water, which of the following statements is correct?

- Ans**
- ☒ A. The cube will float with its entire volume above the water surface.
 - ☒ B. The cube will remain suspended in the middle of water.
 - ☒ C. The cube will float partially submerged, displacing water equal to its weight.
 - ☒ D. The cube will completely sink to the bottom.

Q.4 Fish have hearts with _____ chambers and their blood passes through the heart only _____ in one complete cycle.

- Ans**
- ☒ A. three; twice
 - ☒ B. four; once
 - ☒ C. two; once
 - ☒ D. two; twice

Q.5 Which of the following statements correctly explains the variety in the shape and size of cells?

- Ans ☐ A. The shape and size of all cells remain constant in every organism.
☒ B. The shape and size of cells are related to the specific function they perform.
☐ C. The shape and size of cells depend only on the availability of water.
☐ D. The shape and size of cells are identical in plants and animals.

Q.6 Metals low in the activity series, such as gold and silver, are typically found in their free state in nature, because:

- Ans ☐ A. they react vigorously with acids
☐ B. they have very low melting points
☒ C. they are very unreactive
☐ D. they are highly reactive with oxygen and water

Q.7 Which of the following spiny seeds with hooks are dispersed by animals by attaching to their bodies?

- Ans ☐ A. Drumstick
☒ B. Xanthium
☐ C. Madar
☐ D. Sunflower

Q.8 Which of the following is/are used in poultry farming?

- Ans ☐ A. Catla
☐ B. Prawns
☒ C. Leghorn breed
☐ D. Sardines

Q.9 Three resistors of $2\ \Omega$, $3\ \Omega$, and $5\ \Omega$ are connected in series. The total resistance is:

- Ans ☐ A. $3.33\ \Omega$
☐ B. $1\ \Omega$
☐ C. $0.1\ \Omega$
☒ D. $10\ \Omega$

Q.10 Which of the following forms of energy will be possessed by a body of mass 'm' moving with a uniform velocity 'v'?

- Ans ☐ A. Potential Energy
☒ B. Kinetic Energy
☐ C. Sound Energy
☐ D. Heat Energy

Q.11 What is the dark layer that develops on silver upon its corrosion?

- Ans ☐ A. Copper oxide
☐ B. Iron oxide
☒ C. Silver sulphide
☐ D. Zinc oxide

Q.12 Why do epithelial tissues have very little space between their cells?

- Ans ☐ A. To allow rapid blood flow
☒ B. To create an effective barrier regulating permeability of substances
☐ C. To facilitate movement of muscles
☐ D. To enable them to transmit electrical signals

Q.13 Which of the following is the correct reason for NOT being able to hear sound on the Moon?

- Ans**
- ☐ A. The Moon is very cold.
 - ☒ B. The Moon has no atmosphere.
 - ☐ C. The Moon is very far away from the Earth.
 - ☐ D. The Moon has craters.

Q.14 A lens with a shorter focal length (f) has _____.

- Ans**
- ☒ A. More power
 - ☐ B. Zero power
 - ☐ C. Less power
 - ☐ D. Equal power as a lens with a longer focal length (f)

Q.15 Select the correct reason as to why glucose and alcohol do NOT conduct electricity?

- Ans**
- ☐ A. They are made of metal.
 - ☐ B. They are acidic in nature.
 - ☐ C. They evaporate quickly.
 - ☒ D. They do not form ions in solution.

Q.16 Which of the following is NOT an example of inertia?

- Ans**
- ☐ A. Passenger falling forward when a bus stops suddenly
 - ☐ B. Dust falling off a carpet when beaten
 - ☒ C. A book sliding on a rough surface and stopping
 - ☐ D. A ball rolling on a frictionless surface forever

Q.17 Which of the following statements is/are correct?

- A) When a compound consists of a metal and a non-metal, the name or symbol of the metal is written first.
- B) When a compound consists of a metal and a non-metal, the name or symbol of the non-metal is written first.
- C) The valency or charges on the ion must balance.

- Ans**
- ☐ A. Only C
 - ☒ B. Only A and C
 - ☐ C. A, B and C
 - ☐ D. Only A

Q.18 Which crop variety improvement method involves selecting parents with desirable traits and crossing them?

- Ans**
- ☐ A. Genetic Engineering
 - ☐ B. Mutation
 - ☒ C. Hybridisation
 - ☐ D. Tissue Culture

Q.19 Which of the following contrasting visible characters of garden peas are NOT used by Mendel?

- Ans**
- ☒ A. Green/white seeds
 - ☐ B. Tall/short plants
 - ☐ C. Round/wrinkled seeds
 - ☐ D. White/violet flowers

Q.20 The fundamental property that qualifies magnetic field as a vector quantity is that it possesses both _____.

- Ans**
- ☐ A. force and time
 - ☒ B. direction and magnitude
 - ☐ C. mass and density
 - ☐ D. charge and potential difference

Q.21 Which of the following statements accurately describes the characteristic of electrons in an atom?

- Ans**
- ☐ A. They are located in the nucleus.
 - ☐ B. They are positively charged.
 - ☒ C. They revolve around the nucleus in fixed orbits.
 - ☐ D. They have the same mass as protons.

Q.22 Atomic radius is usually measured in:

- Ans**
- ☒ A. nanometres
 - ☐ B. centimetres
 - ☐ C. decimetres
 - ☐ D. millimetres

Q.23 The main iron gate of your building rusts over time due to:

- Ans**
- ☐ A. pollution
 - ☒ B. moisture and oxygen
 - ☐ C. high temperature
 - ☐ D. dirt

Q.24 A stone tied to a string and whirled in a circle exhibits _____.

- Ans**
- ☐ A. uniform straight-line motion
 - ☐ B. non-uniform motion
 - ☐ C. linear motion with increasing speed
 - ☒ D. circular motion

Q.25 Which of the following analogies did Thomson use to describe his atomic model?

- Ans**
- ☐ A. Nuclear core-shell
 - ☐ B. Planetary system
 - ☐ C. Solar system
 - ☒ D. Christmas pudding

Section : Mathematics

Q.26 The sum of the present ages of a mother and daughter is 42 years. After 5 years, the mother will be 3 times as old as her daughter at that time. Find the ratio of the daughter's present age to the mother's age after 4 years.

- Ans**
- ☒ A. 4 : 19
 - ☐ B. 6 : 19
 - ☐ C. 6 : 17
 - ☐ D. 4 : 17

Q.27 The average of 13 numbers is 92. If the first 7 numbers are 30, 32, 46, 81, 110, 73 and 20, then what will be the average of the remaining numbers?

- Ans
- ☒ A. 135
 - ☒ B. 131
 - ☒ C. 134
 - ☒ D. 139

Q.28 The average speed of a car running at 70 km/hr for 1 hour and 'p' hr



- Ans
- ☒ A. 52.5
 - ☒ B. 60
 - ☒ C. 40
 - ☒ D. 57.5

Q.29 If the marked price of an article is ₹2,400 and the discount is 16%, then the selling price of the article is:

- Ans
- ☒ A. ₹2,060
 - ☒ B. ₹2,216
 - ☒ C. ₹2,166
 - ☒ D. ₹2,016

Q.30 The average age of 39 students of a class is 27 years. If the age of the teacher is also included, the average age of the whole group becomes 28 years. The age (in years) of the teacher is:

- Ans
- ☒ A. 67
 - ☒ B. 70
 - ☒ C. 69
 - ☒ D. 68

Q.31 The fourth proportion to 24, 3 and 16 is the same as the third proportion to A and 20. What is the value of A?

- Ans
- ☒ A. 201
 - ☒ B. 202
 - ☒ C. 200
 - ☒ D. 199

Q.32 ₹2,037 is divided among Vikas, Tina, and Sumit in such a way that if ₹23, ₹42, and ₹52 are deducted from their respective shares, they have money in the ratio 14:19:15. Find the actual share of Tina.

- Ans
- ☒ A. ₹610
 - ☒ B. ₹802
 - ☒ C. ₹910
 - ☒ D. ₹660

Q.33 A girl goes to school at a speed of 9 km/hr. She comes back with a speed of 45 km/hr. Find her average speed for the whole journey.

- Ans
- ☒ A. 15 km/hr
 - ☒ B. 7 km/hr
 - ☒ C. 20 km/hr
 - ☒ D. 22 km/hr

Q.34 The volume (in m^3) of a cube, each edge of which is 45 m, is:

- Ans
- ☐ A. 91128
 - ☐ B. 91321
 - ☐ C. 91057
 - ☒ D. 91125

Q.35 If 20% of 10% of $\frac{3}{4}$ of a number is 882, find the number.

- Ans
- ☐ A. 59780
 - ☐ B. 61960
 - ☐ C. 62560
 - ☒ D. 58800

Q.36 $\frac{1}{30}$ is what percentage of $\frac{2}{70}$? (Round off the answer to two decimal



- Ans
- ☐ A. 131.67%
 - ☐ B. 126.67%
 - ☒ C. 116.67%
 - ☐ D. 233.33%

Q.37 If $\sin \theta = \frac{3}{5}$, find the value of $\cos \theta$. (θ is in the first quadrant)

- Ans
- ☐ A. $\frac{5}{6}$
 - ☒ B. $\frac{4}{5}$
 - ☐ C. $\frac{5}{4}$
 - ☐ D. $\frac{3}{5}$

Q.38 A dealer incurs a loss of 5% if he sells an article for ₹1805. At what price must he sell the article so as to gain 5% on that article?

- Ans
- ☐ A. ₹2005
 - ☐ B. ₹2105
 - ☐ C. ₹1985
 - ☒ D. ₹1995

Q.39 A hollow cylindrical pipe has an outer radius of 7 cm and an inner radius of 5 cm. If the pipe is 42 cm long and made of metal with a density of 5 g/cm^3 , what is the mass of the pipe?

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

- Ans
- ☐ A. 15.56 kg
 - ☐ B. 15.72 kg
 - ☐ C. 15.98 kg
 - ☒ D. 15.84 kg

Q.40 Find the sum of the squares of x and y , given that the number $83y547x$ is divisible by 72.

- Ans**
- ☐ A. 23
 - ☐ B. 43
 - ☐ C. 13
 - ☒ D. 53

Q.41 A, B and C can do a piece of work in 2, 24 and 8 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☐ A. 9
 - ☒ B. 3
 - ☐ C. 6
 - ☐ D. 4

Q.42 At a stationery shop, the total cost of 2 red pens and 3 blue pens is ₹78. On the other hand, the total cost of 3 red pens and 2 blue pens is ₹72. What is the combined cost of one red pen and one blue pen?

- Ans**
- ☐ A. ₹33
 - ☐ B. ₹26
 - ☐ C. ₹36
 - ☒ D. ₹30

Q.43 If $2x + 3y = 8$ and $4x^2 + 9y^2 = 32$, find the value of $8x^3 + 27y^3$.

- Ans**
- ☐ A. 142
 - ☐ B. 106
 - ☐ C. 112
 - ☒ D. 128

Q.44 The price of fuel decreases by 50%, 30% and 50% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Rounded off to two decimal places)

- Ans**
- ☐ A. Increases by 72.43%
 - ☐ B. Decreases by 75.87%
 - ☐ C. Increases by 67.43%
 - ☒ D. Decreases by 71.13%

Q.45 The interior angle of a regular polygon is 156° . How many sides does this polygon have?

- Ans**
- ☐ A. 12
 - ☐ B. 13
 - ☐ C. 14
 - ☒ D. 15

Q.46 Find the value of $\left\{\left(\frac{1}{3}\right)^{-2} - \left(\frac{1}{2}\right)^{-3}\right\} \div \left(\frac{1}{4}\right)^{-2} + \left\{\left(\frac{-3}{2}\right)^4 \times \left(\frac{5}{3}\right)^4\right\}$

- Ans ☒ A. $\frac{313}{8}$
☐ B. $\frac{208}{7}$
☐ C. $\frac{402}{11}$
☐ D. $\frac{125}{3}$

Q.47 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 6 February 2023 to 20 April 2023.

- Ans ☐ A. 29
☐ B. 27
☐ C. 26
☒ D. 28

Q.48 A dealer allowed a 65% discount on an article and was still able to manage an 82% profit. Find the ratio of the cost price to the listed price.

- Ans ☐ A. 7 : 32
☐ B. 2 : 33
☒ C. 5 : 26
☐ D. 6 : 29

Q.49 What is the HCF of 32, 28, and 24?

- Ans ☒ A. 4
☐ B. 8
☐ C. 6
☐ D. 2

Q.50 A and B together can complete a piece of work in 12 days, B and C together can do it in 15 days, and C and A together can finish it in 20 days. Find the ratio of the number of days taken by B and C to complete the work individually.

- Ans ☐ A. 3:5
☒ B. 1:3
☐ C. 2:3
☐ D. 5:7

Section : General Intelligence and Reasoning

Q.51 Sunil starts from point A and drives 64 km towards West. He then takes a left turn, drives 60 km, turns left and drives 67 km. He then takes a left turn and drives 78 km. He takes a final left turn, drives 3 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. 18 km to the South
☐ B. 20 km to the north
☐ C. 19 km to the north
☐ D. 17 km to the South

Q.52 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 4 1 9 7 8 4 8 5 9 4 6 5 2 3 7 4 2 5 7 6 3 2 4 5 1 3 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and immediately followed by an odd digit?

- Ans**
- ☐ A. Three
 - ☐ B. One
 - ☒ C. Four
 - ☐ D. Two

Q.53 What should come in place of the question mark (?) in the given series?

125 142 157 170 181 ?

- Ans**
- ☐ A. 193
 - ☐ B. 191
 - ☒ C. 190
 - ☐ D. 187

Q.54 This question is based on the five, three-digit numbers given below.

(Left) 453 125 410 183 473 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☐ A. 11
 - ☐ B. 5
 - ☒ C. 8
 - ☐ D. 7

Q.55 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

AXB–FCG
IFJ–NKO

- Ans**
- ☐ A. WTX–AYB
 - ☒ B. WTX–BYC
 - ☐ C. WSV–BYC
 - ☐ D. WSV–AXB

Q.56 In a certain code language, 'some good questions' is coded as 'jm ik cd' and 'many good problems' is coded as 'cd rc gh'. How is 'good' coded in that language?

- Ans**
- ☐ A. ik
 - ☒ B. cd
 - ☐ C. jm
 - ☐ D. rc

Q.57 In a row of 54 people facing north, Mohit sits 22nd from the right end. If Charu sits 15th from the left end of the row, how many people sit between Mohit and Charu?

- Ans**
- ☒ A. 16
 - ☒ B. 18
 - ☒ C. 17
 - ☒ D. 15

Q.58 In a row of all 97 students facing north, Mr. Akte is 9th from the right end. If Mr. Memi is 18th to the left of Mr. Akte, what is Mr. Memi's position from the left end of the row?

- Ans**
- ☒ A. 71st
 - ☒ B. 70th
 - ☒ C. 72nd
 - ☒ D. 69th

Q.59 Which of the following number will replace the question mark (?) in the given series?

23, 24, 26, 32, 56, 176, ?

- Ans**
- ☒ A. 568
 - ☒ B. 782
 - ☒ C. 896
 - ☒ D. 384

Q.60 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?

11 P 3 S (30 Q 5) P 2 R 15 S 6 P 2 = ?

- Ans**
- ☒ A. 31
 - ☒ B. 54
 - ☒ C. 42
 - ☒ D. 62

Q.61 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 8 5 3 6 2 4 7 9 1 3 5 7 8 4 2 6 1 9 3 7 5 4 (Right)

How many numbers are perfect squares in the series (each number counted only once, regardless of repetitions)?

- Ans**
- ☒ A. Four
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. One

Q.62 Six people, G, H, I, Q, R and S, are sitting in a straight line, facing north. Only three people sit between Q and I. G sits to the immediate left of I. No one sits to the right of S. Only one person sits between S and G. R sits to the immediate right of H. How many people sit between I and R?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. One
 - ☒ D. Three

Q.63 Six people, A, B, C, D, E and F, are sitting in a row, facing north. E sits to the immediate right of D. F sits fourth to the left of D. Only one person sits between B and D. C sits to the immediate left of B. A sits second to the left of E. Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the option that DOES NOT belong to that group?

- Ans**
- ☐ A. AD
 - ☐ B. BA
 - ☐ C. CB
 - ☒ D. FE

Q.64 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:

Some Hammers are Screwdrivers.
No Screwdrivers are Wrenches.
All Wrenches are Pliers.

Conclusions:

(I) Some Wrenches are Screwdrivers.
(II) Some Screwdrivers are Pliers.

- Ans**
- ☐ A. Only conclusion (II) is true.
 - ☒ B. Neither conclusion (I) nor (II) is true.
 - ☐ C. Both conclusions (I) and (II) are true.
 - ☐ D. Only conclusion (I) is true.

Q.65 Sunil starts from Point A and drives 57 km towards west. He then takes a left turn, drives 65 km, turns left and drives 67 km. He then takes a left turn and drives 78 km. He takes a final left turn, drives 10 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 degrees turns only unless specified)

- Ans**
- ☐ A. 12 km to the south
 - ☒ B. 13 km to the south
 - ☐ C. 15 km to the north
 - ☐ D. 14 km to the north

Q.66 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$115 \times 5 - 14 \div 6 + 15 = ?$$

- Ans**
- ☐ A. 78
 - ☐ B. 84
 - ☒ C. 92
 - ☐ D. 70

Q.67 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 1 7 9 2 2 7 9 9 4 7 7 8 9 1 8 6 2 1 2 2 8 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans**
- ☐ A. One
 - ☐ B. Three
 - ☐ C. None
 - ☒ D. Two

Q.68 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CYB 48 DZC 53 EAD 58 FBE 63 ?

- Ans** ☒ A. GCF 68
☐ B. GHJ 67
☐ C. GDE 68
☐ D. GBE 67

Q.69 What should come in place of the question mark (?) in the given series?

32 40 31 41 ? 42

- Ans** ☒ A. 30
☐ B. 32
☐ C. 26
☐ D. 35

Q.70 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:

All bananas are grapes.

No banana is a cucumber.

Conclusions:

(I): Some cucumbers are grapes.

(II): All grapes are cucumbers.

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

Q.71 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(106, 368, 237)

(114, 336, 225)

- Ans** ☐ A. (246, 120, 186)
☒ B. (146, 302, 224)
☐ C. (118, 256, 189)
☐ D. (304, 182, 253)

Q.72 In a certain code language, 'VALE' is coded as '3751' and 'ULVA' is coded as '1397'. What is the code for 'U' in the given code language?

- Ans** ☐ A. 7
☐ B. 1
☐ C. 3
☒ D. 9

Q.73 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HTU : LQY
PNC : TKG

- Ans**
- ☒ A. SLZ : WGD
 - ☒ B. QYD : TUG
 - ☒ C. XHK : BEO
 - ☒ D. HCU : LAY

Q.74 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BOM DQL FSK HUJ ?

- Ans**
- ☒ A. JVI
 - ☒ B. IWJ
 - ☒ C. IVI
 - ☒ D. JWI

Q.75 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 letter-cluster pair 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. GK - EI
 - ☒ B. KO - IM
 - ☒ C. MQ - KO
 - ☒ D. PS - NR

Q.76 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 letter-cluster pair 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. US - ZS
 - ☒ B. SQ-VQ
 - ☒ C. AY-DY
 - ☒ D. QO - TO

Q.77 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is T related to M if 'T+O&RxN-M'?

- Ans**
- ☒ A. Brother's wife's brother
 - ☒ B. Brother's wife's father
 - ☒ C. Wife's father
 - ☒ D. Wife's brother

Q.78 KFHL is related to RMOS in a certain way based on the English alphabetical order. In the same way, MHJN is related to TOQU. To which of the given options is OJLP related, following the same logic?

- Ans**
- ☐ A. QVSW
 - ☐ B. QVWS
 - ☒ C. VQSW
 - ☐ D. VQWS

Q.79 Seven people - A, B, C, D, E, F and G are sitting in a straight line, facing north. A sits fourth from the left end of the line. Only one person sits between A and B. Only three people sit between C and B. E sits third to the left of C. D sits second to the right of G.
How many people sit between A and F?

- Ans**
- ☒ A. Two
 - ☐ B. Three
 - ☐ C. One
 - ☐ D. None

Q.80 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 3215674, what will be the difference between the highest and lowest digits in the new number thus formed?

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

Section : General Awareness and Current Affairs

Q.81 What is the rank of India in the World Economic Forum's 2025 Energy Transition Index?

- Ans**
- ☐ A. 91st
 - ☒ B. 71st
 - ☐ C. 61st
 - ☐ D. 81st

Q.82 Who received the Sahitya Akademi Translation Prize 2024 (awarded in March 2025) for translating a Malayalam autobiography into Tamil?

- Ans**
- ☐ A. Madan Soni
 - ☒ B. P Vimala
 - ☐ C. Uttara Bwiswmuthiary
 - ☐ D. Chandan Negi

Q.83 Which of the following agencies conducted maiden flight-tests of an Integrated Air Defence Weapon System in August 2025?

- Ans**
- ☐ A. Indian Space Research Organisation (ISRO)
 - ☐ B. Defence Space Agency (DSA)
 - ☒ C. Defence Research and Development Organisation (DRDO)
 - ☐ D. National Defence Academy (NDA)

Q.84 Which summit in July 2025 emphasised Global South cooperation under Brazil's chairmanship?

- Ans**
- ☐ A. ASEAN Summit
 - ☐ B. APEC Summit
 - ☐ C. G7 Summit
 - ☒ D. BRICS Summit

Q.85 Which of the following Indian states conducted a large-scale disaster drill in November 2025, focusing on oil and chemical disaster preparedness at major industrial hubs?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Maharashtra
 - ☐ C. West Bengal
 - ☒ D. Gujarat

Q.86 During the National Conference on 'Opportunities of Defence Manufacturing in the Country' (October 7, 2025), which new portal was launched in India to streamline export and import authorisations in the defence sector?

- Ans**
- ☐ A. Bharat Tech Portal
 - ☒ B. Defence Exim Portal
 - ☐ C. Make in India Portal
 - ☐ D. Mission Indigenisation Portal

Q.87 As per the Reserve Bank of India (RBI) guidelines, in the event of a name change by a bank (as happened with North East Small Finance Bank Limited in May 2025), existing cheque books and IFSC codes will ____.

- Ans**
- ☒ A. remain valid
 - ☐ B. require re-issuance
 - ☐ C. be temporarily suspended
 - ☐ D. become invalid

Q.88 In September 2025, ISRO, IN-SPACe and NewSpace India Limited (NSIL) jointly signed the 100th technology transfer agreement for Small Satellite Launch Vehicle (SSLV) production. Which organisation partnered with them for manufacturing?

- Ans**
- ☐ A. Bharat Electronics Ltd.
 - ☐ B. L&T Defence
 - ☐ C. BHEL Aerospace Division
 - ☒ D. Hindustan Aeronautics Limited

Q.89 As per the World Bank's Spring 2025 report, how many people did India lift out of extreme poverty over the past decade?

- Ans**
- ☒ A. 171 million
 - ☐ B. 250 million
 - ☐ C. 100 million
 - ☐ D. 211 million

Q.90 On which date is International Sex Workers' Day observed annually in India?

- Ans**
- ☒ A. 2 June
 - ☐ B. 3 May
 - ☐ C. 11 June
 - ☐ D. 10 May

Q.91 How many sports were featured in the Khelo India Youth Games, 2025?

- Ans**
- ☐ A. 30
 - ☒ B. 28
 - ☐ C. 27
 - ☐ D. 29

Q.92 The Fit India Movement's premier cycling event, promoting fitness and pollution solutions, was staged at Mumbai's Gateway of India in February 2025, under what name?

- Ans**
- ☐ A. Cycle for Health
 - ☒ B. Sundays on Cycle
 - ☐ C. Fit India Cycling Marathon
 - ☐ D. Wheels for Wellness

Q.93 When and where will the 2025 Ballon d'Or ceremony take place?

- Ans**
- ☐ A. October in Madrid
 - ☐ B. June in Rome
 - ☒ C. September in Paris
 - ☐ D. July in London

Q.94 Which of the following platforms was the venue where Indian Prime Minister Narendra Modi announced the resumption of India-China direct flights after more than five years in August 2025?

- Ans**
- ☒ A. SCO
 - ☐ B. BRICS
 - ☐ C. G20
 - ☐ D. ASEAN

Q.95 Where were the 2025 World Athletics Indoor Championships held?

- Ans**
- ☒ A. Nanjing, China
 - ☐ B. Doha, Qatar
 - ☐ C. Birmingham, UK
 - ☐ D. Portland, USA

Q.96 According to the PIB release 'Proactive Measures taken by CAQM to contain Air Pollution' (10 November 2025), farm fire incidents in Haryana between 15 September and 9 November 2025 fell by roughly what percentage compared to the same period in 2024?

- Ans**
- ☒ A. About 65%
 - ☐ B. About 35%
 - ☐ C. About 45%
 - ☐ D. About 25%

Q.97 The Digi Yatra, which is a product for citizens by the Ministry of Civil Aviation, received the National e-Governance Award in 2025 in which category?

- Ans**
- ☐ A. Bronze
 - ☐ B. Jury
 - ☒ C. Gold
 - ☐ D. Silver

Q.98 In February 2025, the Union Budget 2025–26 announced the establishment of which board in Bihar?

- Ans**
- ☐ A. Eastern Food Processing Board
 - ☐ B. Bihar Agricultural Processing Board
 - ☐ C. Foxnut Development Board
 - ☒ D. Makhana Board

Q.99 When was the UNDP Human Development Report 2025, based on 2023 data, released?

- Ans**
- ☐ A. 22 April 2025
 - ☐ B. 20 March 2025
 - ☒ C. 6 May 2025
 - ☐ D. 1 June 2025

Q.100 The International Big Cat Alliance became a treaty-based organisation in January 2025. Under which ministry does it operate?

- Ans**
- ☐ A. Ministry of Tourism
 - ☒ B. Ministry of Environment, Forest & Climate Change
 - ☐ C. Ministry of Jal Shakti
 - ☐ D. Ministry of Fisheries, Animal Husbandry and Dairying



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Chinamushidiwada
Test Date	26/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following practices would conserve the natural forest cover and different forest products?

- Ans ☒ A. Promoting afforestation
☒ B. Burning of forest
☒ C. Deforestation
☒ D. Grazing in green forest

Q.2 Which of the following reactions is an example of a precipitation reaction?

- Ans ☒ A. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
☒ B. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} \downarrow + \text{NaNO}_3$
☒ C. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2 \uparrow$
☒ D. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2 \uparrow$

Q.3 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Precipitation reactions produce soluble salts.

Reason (R): Precipitation reactions involve exchange of ions in solution.

- Ans ☒ A. Both A and R are true, and R is not the correct explanation of A.
☒ B. A is false, but R is true.
☒ C. A is true, but R is false.
☒ D. Both A and R are true, and R is the correct explanation of A.

Q.4 Which of the following suits the best for the order of budding in organisms?

- Bud Formation
- Cytoplasmic Division
- Nucleus Division
- Detachment of Bud

- Ans ☒ A. 2 - 1 - 3 - 4
☒ B. 3 - 1 - 2 - 4
☒ C. 1 - 3 - 2 - 4
☒ D. 1 - 2 - 3 - 4

Q.5 The correct IUPAC name of CH_3COCH_3 is:

- Ans**
- ☐ A. propanoic acid, with a carboxylic acid at the terminal carbon
 - ☐ B. propanal, with an aldehyde group on a three-carbon chain
 - ☒ C. propanone, a ketone with the carbonyl on the middle carbon
 - ☐ D. propene, an alkene with a double bond between two carbons

Q.6 Which of the following is NOT correct?

- Ans**
- ☒ A. Pressure in a fluid depends on the shape of the container
 - ☐ B. Pressure in a fluid increases with depth
 - ☐ C. Pressure in a fluid acts in all directions
 - ☐ D. Pressure = force/area

Q.7 Which of the following shows the correct chain of events when a vibrating body produces sound?

- Ans**
- ☐ A. Vibration → Electricity → Sound
 - ☐ B. Vibration → Light → Heat → Sound
 - ☒ C. Vibration → Particles of medium vibrate → Sound wave propagates → Sound is heard
 - ☐ D. Sound → Vibration → Medium vibration → Ear detects

Q.8 Which of the following refining methods is very important commercially?

- Ans**
- ☐ A. Electrochemical methods
 - ☐ B. Physical methods
 - ☐ C. Ionic methods
 - ☒ D. Chemical methods

Q.9 A rainbow, which is a natural spectrum appearing in the sky after a rain shower, is primarily caused by which action of water droplets on sunlight?

- Ans**
- ☐ A. Only total internal reflection
 - ☐ B. Internal reflection followed by scattering
 - ☒ C. Refraction and dispersion, followed by internal reflection, and then final refraction
 - ☐ D. Light bending due to changes in air density

Q.10 Heating calcium carbonate produces calcium oxide and carbon dioxide. This is an example of which type of chemical reaction?

- Ans**
- ☐ A. Combination
 - ☐ B. Displacement
 - ☒ C. Decomposition
 - ☐ D. Double displacement

Q.11 For a body moving in a straight line, if the distance covered from point A to point B is 10 km, then which of the following statements is true regarding the displacement of the body from point A to point B?

- Ans**
- ☐ A. The displacement is always less than 10 km.
 - ☐ B. The displacement is always zero.
 - ☐ C. The displacement must be greater than 10 km.
 - ☒ D. The displacement is equal to 10 km.

Q.12 Which enzyme is responsible for the breakdown of complex sugar molecules into simple glucose in human beings?

- Ans
- ☐ A. Pepsin
 - ☒ B. Amylase
 - ☐ C. Bile Juice
 - ☐ D. Lipase

Q.13 Which of the following is a form of mechanical energy?

- Ans
- ☒ A. Kinetic energy
 - ☐ B. Heat energy
 - ☐ C. Chemical energy
 - ☐ D. Sound energy

Q.14 Which of the following organisms may help in pollination of a flower?

- Ans
- ☐ A. Euglena
 - ☐ B. Amoeba
 - ☐ C. Plasmodium
 - ☒ D. Honey bee

Q.15 The strength of the magnetic field around a straight wire depends on:

- Ans
- ☐ A. Resistance of the wire
 - ☒ B. Current and distance from the wire
 - ☐ C. Length of the wire only
 - ☐ D. Voltage applied

Q.16 100 J of heat is produced in an electrical geyser when 1 A current flows through it for 10 secs. How much is the resistance of the geyser?

- Ans
- ☐ A. 0.1Ω
 - ☒ B. 10Ω
 - ☐ C. 100Ω
 - ☐ D. 1Ω

Q.17 Which type of muscular tissue is present in the wall of the stomach?

- Ans
- ☐ A. Fluid connective tissue
 - ☐ B. Cardiac muscle tissue
 - ☐ C. Skeletal muscle tissue
 - ☒ D. Smooth muscle tissue

Q.18 Which of the following is the correct sequence of events of sexual reproduction?

- Ans
- ☐ A. Foetus → Embryo → Zygote → Fertilisation
 - ☐ B. Embryo → Zygote → Fertilisation → Foetus
 - ☒ C. Fertilisation → Zygote → Embryo → Foetus
 - ☐ D. Zygote → Fertilisation → Embryo → Foetus

Q.19 In galvanisation process, which of the following metals is used to depositing the layer on iron?

- Ans
- ☒ A. Zinc
 - ☐ B. Platinum
 - ☐ C. Iron
 - ☐ D. Silver

Q.20 Which of the following performs the function of reflex action?

- Ans ☒ A. Spinal cord
☐ B. Pituitary gland
☐ C. Hypothalamus
☐ D. Cranium

Q.21 Why does the Sun appear to rise earlier and set later than it actually does?

- Ans ☐ A. Due to the Moon's gravitational influence on sunlight
☒ B. Because of atmospheric refraction
☐ C. Due to the Earth's rotation slowing down during sunrise and sunset
☐ D. Because the Sun moves faster near the horizon

Q.22 Which of the following processes represents the most specific purpose of meiotic cell division?

- Ans ☒ A. Reproduction
☐ B. Digestion
☐ C. Respiration
☐ D. Excretion

Q.23 Which type of molecule of an element is characterised by having only one type of atom?

- Ans ☐ A. Polyatomic
☐ B. Triatomic
☒ C. Monoatomic
☐ D. Diatomic

Q.24 Which of the following statements is correct about acceleration?

- Ans ☒ A. Acceleration is negative when it acts opposite to the direction of velocity.
☐ B. Acceleration is always positive, regardless of direction.
☐ C. Acceleration is positive when it is opposite to the direction of velocity.
☐ D. The SI unit of acceleration is m/s.

Q.25 Which statement accurately describes a key difference between mixtures and compounds regarding separation?

- Ans ☐ A. They are always formed with an absorption of heat.
☐ B. They have a sharp melting and boiling point.
☒ C. Their components can be separated by physical methods.
☐ D. The identity of the original substances is lost.

Section : Mathematics

Q.26 The sum of two numbers is 60 and their HCF and LCM are 12 and 72. Then the sum of the reciprocals of the two numbers is:

- Ans ☒ A. $\frac{5}{72}$
☐ B. $\frac{1}{6}$
☐ C. $\frac{5}{36}$
☐ D. $\frac{7}{12}$

Q.27 Simplify: $\sqrt{8} + 2\sqrt{32} - \sqrt{128} + 2\sqrt{50}$

- Ans
- ☐ A. $3\sqrt{2}$
 - ☐ B. $\sqrt{2}$
 - ☐ C. $4\sqrt{2}$
 - ☒ D. $12\sqrt{2}$

Q.28 Which of the following numbers is divisible by 3?

- Ans
- ☐ A. 781
 - ☒ B. 123
 - ☐ C. 557
 - ☐ D. 245

Q.29 If $x - y = 3$ and $xy = 18$, what is $x^2 - y^2$?

- Ans
- ☐ A. 25
 - ☒ B. 27
 - ☐ C. 20
 - ☐ D. 22

Q.30 A local cinema charges ₹150 per youth ticket and ₹250 per adult ticket. One evening, the theater sold a total of 200 tickets, collecting ₹38,000 in revenue. Find out how many youth tickets and how many adult tickets were sold?

- Ans
- ☒ A. 120 youth tickets and 80 adult tickets
 - ☐ B. 90 youth tickets and 110 adult tickets
 - ☐ C. 80 youth tickets and 120 adult tickets
 - ☐ D. 100 youth tickets and 100 adult tickets

Q.31 After allowing a discount of 54% on the marked price of an article, it is sold for ₹29,946. Find its marked price (in ₹).

- Ans
- ☐ A. 65,144
 - ☐ B. 64,998
 - ☒ C. 65,100
 - ☐ D. 65,322

Q.32 Arun and Manish can do a piece of work in 15 days. Manish and Tarun can do the same work in 12 days and Tarun and Arun can do it in 10 days. Find the time taken by Arun alone to complete the same work.

- Ans
- ☒ A. 24 days
 - ☐ B. 18 days
 - ☐ C. 25 days
 - ☐ D. 22 days

Q.33 The price of fuel decreases by 30%, 25% and 45% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- Ans
- ☒ A. Decreases by 58.13%
 - ☐ B. Increases by 59.54%
 - ☐ C. Decreases by 57.65%
 - ☐ D. Increases by 64.88%

Q.34 ABCD is a parallelogram. P and Q are two points lying on the sides D

- Ans ☐ A. the area of $(\Delta BQC + \Delta ABQ)$
☐ B. the area of ΔDQC
☒ C. the area of ΔBQC
☐ D. half of the area of quadrilateral ABPD

Q.35 A total profit of ₹27,600 is to be distributed amongst A, B and C such that A : B = 18 : 6 and B : C = 7 : 12. The share (in ₹) of C in the profit is:

- Ans ☒ A. 8,280
☐ B. 8,430
☐ C. 8,230
☐ D. 8,180

Q.36 If the cost of painting the whole surface area of a cubical structure, at the rate of 23 paise per cm^2 , is ₹1,006.02, then find the volume of the cubical structure (in cm^3).

- Ans ☐ A. 19,691
☐ B. 19,676
☒ C. 19,683
☐ D. 19,688

Q.37 For 12 innings, a cricketer has an average of 52 runs. In the 13th inning, he scores 183 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- Ans ☐ A. 7
☐ B. 18
☐ C. 16
☒ D. 10

Q.38 A grocer marked his goods at 80% above their cost price and sold them at a discount of X%. If he gained 8% profit, then find the value of X.

- Ans ☐ A. 41
☐ B. 37
☐ C. 38
☒ D. 40

Q.39 A teacher is currently four times as old as one of her students. Five years ago, she was seven times as old as the same student was at that time. What is the teacher's current age (in years)?

- Ans ☐ A. 35
☐ B. 50
☒ C. 40
☐ D. 45

Q.40 If 20% of a number is added to 60, then the result is the same number. 70% of the same number is:

- Ans ☐ A. 62.5
☒ B. 52.5
☐ C. 82.5
☐ D. 72.5

Q.41 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 33^\circ$. E is a point on BC such that $\angle CAE = 70^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☒ A. 131°
 - ☒ B. 127°
 - ☒ C. 135°
 - ☒ D. 132°

Q.42 A point lies on the ground such that its distance from the top of a building is twice its distance from the bottom, which is 15 units. Find the height (in units) of the building.

- Ans
- ☒ A. $10\sqrt{3}$
 - ☒ B. $10\sqrt{2}$
 - ☒ C. $15\sqrt{2}$
 - ☒ D. $15\sqrt{3}$

Q.43 P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 30 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans
- ☒ A. 11
 - ☒ B. 5
 - ☒ C. 10
 - ☒ D. 6

Q.44 A man has to cover a distance of 132 km in 14 hours. If he covers two-thirds of the distance in 10 hours, then what should be his speed (in km/hr) to cover the remaining distance?

- Ans
- ☒ A. 5.5
 - ☒ B. 12.7
 - ☒ C. 3.8
 - ☒ D. 7.3

Q.45 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 4 February 2023 to 18 April 2023.

- Ans
- ☒ A. 28
 - ☒ B. 27
 - ☒ C. 26
 - ☒ D. 29

Q.46 A person buys a book for ₹300 and sells it for ₹335. What will be his gain percentage?

- Ans
- ☒ A. $11\frac{4}{3}\%$
 - ☒ B. $11\frac{2}{3}\%$
 - ☒ C. $11\frac{5}{3}\%$
 - ☒ D. $11\frac{1}{3}\%$

Q.47 What will come in place of 'X' and $X > 0$ in the equation $\frac{X}{75} = \frac{12}{X}$.

- Ans
- ☒ A. 28
 - ☒ B. 30
 - ☒ C. 31
 - ☒ D. 33

Q.48 Two trains are running in opposite directions at the same speed. If the length of each train is 968 m and they cross each other in 22 seconds, then what is the speed of each train?

- Ans
- ☒ A. 35 m/s
 - ☒ B. 44 m/s
 - ☒ C. 48 m/s
 - ☒ D. 38 m/s

Q.49 $\frac{1}{20}$ is what percentage of $\frac{11}{20}$? (Rounded off to two decimal places.)

- Ans
- ☒ A. 18.18%
 - ☒ B. 24.09%
 - ☒ C. 19.09%
 - ☒ D. 9.09%

Q.50 The arithmetic mean of the observations 42, 29, 42, 58, 18, 39, 41, 79 and 93 is:

- Ans
- ☒ A. 49
 - ☒ B. 58
 - ☒ C. 46
 - ☒ D. 47

Section : General Intelligence and Reasoning

Q.51 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 632517, what will be the sum of the greatest and smallest digits in the new number thus formed?

- Ans
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 10
 - ☒ D. 7

Q.52 In a row of people all facing north, Jimmy is 19th from the left end. Shlok is 23rd from the left end and Shlok is exactly between Jimmy and Ray. If Ray is 9th from the right end of the row, how many people are there in the row?

- Ans
- ☒ A. 31
 - ☒ B. 35
 - ☒ C. 33
 - ☒ D. 34

Q.53 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(86, 154, 120)

(98, 172, 135)

Ans ☒ A. (168, 270, 229)

☒ B. (104, 156, 130)

☒ C. (156, 240, 298)

☒ D. (116, 158, 139)

Q.54 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 \div 5 + 22 \times 2 - 6 = ? + 5$$

Ans ☒ A. 45

☒ B. 55

☒ C. 60

☒ D. 65

Q.55 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?

$$41 \text{ C } 9 \text{ B } 12 \text{ A } 4 \text{ D } 10 = ?$$

Ans ☒ A. 50

☒ B. 64

☒ C. 58

☒ D. 54

Q.56 IGFG is related to ECBC in a certain way based on the English alphabetical order. In the same way, TRQR is related to PNMN. To which of the given options is FD CD related, following the same logic?

Ans ☒ A. BAXG

☒ B. BZXZ

☒ C. BZYZ

☒ D. BYXZ

Q.57 In a certain code language, YISB is coded as 110 and PKJQ is coded as 108. What is the code for CNXR in that language?

Ans ☒ A. 120

☒ B. 111

☒ C. 113

☒ D. 118

Q.58 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEA 40 EDZ 32 DCY 24 CBX 16 ?

Ans ☒ A. BBV 8

☒ B. BZV 7

☒ C. BAW 8

☒ D. BEI 7

Q.59 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 bins are tins.

All tins are pins.

Conclusions:

(I): Some bins are pins.

(II): All pins are tins.

- 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.60 In a row of all 91 students facing north, Mr. Akte is 33rd from the left end. If Mr. Memi is 22nd to the right of Mr. Akte, what is Mr. Memi's position from the right end of the row?

- Ans**
- ☒ A. 36th
 - ☒ B. 35th
 - ☒ C. 37th
 - ☒ D. 38th

Q.61 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HNF LSJ PXN TCR ?

- Ans**
- ☒ A. XHV
 - ☒ B. YGW
 - ☒ C. WIV
 - ☒ D. WHU

Q.62 Tufail walks 100 m towards the north. From there, he turns right and walks 220 m. Again, he turns right and walks 121 m. In which direction is he with reference to his starting point?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. Southeast
 - ☒ B. Southwest
 - ☒ C. Northeast
 - ☒ D. Northwest

Q.63 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. XU-WT
 - ☒ B. HE-GD
 - ☒ C. KH-JG
 - ☒ D. AX-YY

Q.64 Six neighbours — Amrita, Maria, Ruhi, Sunita, Ishaan and Vaibhav — are sitting around a circular table, facing the centre. Amrita is sitting second to the left of Maria. Ruhi is an immediate neighbour of both Maria and Sunita. Ishaan is sitting second to the right of Vaibhav.
Who is sitting between Amrita and Maria, when counted from the right of Amrita?

- Ans**
- ☐ A. Ruhi
 - ☐ B. Sunita
 - ☐ C. Vaibhav
 - ☒ D. Ishaan

Q.65 Seven people, P, Q, R, S, T, U and V, are sitting in a row, facing north. Q is seated third from the right end. V is third to the left of S. T is seated to the right of Q and at one of the ends. Only two people are seated between U and T. P does not sit at any of the extreme ends.

Who is seated second from the right end?

- Ans**
- ☒ A. S
 - ☐ B. U
 - ☐ C. Q
 - ☐ D. V

Q.66 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 7 3 1 4 9 2 6 5 8 3 7 1 9 4 2 5 6 8 7 3 9 4 (Right)

How many unique numbers in the series are greater than 7 (each number counted only once, regardless of repetitions)?

- Ans**
- ☐ A. None
 - ☐ B. Three
 - ☐ C. One
 - ☒ D. Two

Q.67 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 5 5 1 7 4 4 7 5 9 5 5 3 2 2 7 1 1 3 9 3 5 2 8 5 1 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 11
 - ☐ B. 13
 - ☐ C. 14
 - ☒ D. 12

Q.68 Five people, A, B, C, D and E, are sitting in a row, facing north. Only two people sit between A and B. Only B sits between D and E. E sits second to the left of A. Who sits at the extreme left end of the row?

- Ans**
- ☐ A. B
 - ☒ B. D
 - ☐ C. C
 - ☐ D. E

Q.69 Pramod starts from Point A and drives 43 km towards the north. He then takes a left turn, drives 45 km, turns left and drives 56 km. He then takes a left turn and drives 64 km. He takes a final left turn, drives 13 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. 17 km to the west
 - ☐ B. 20 km to the east
 - ☐ C. 22 km to the east
 - ☒ D. 19 km to the west

Q.70 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 silver are gold.

Some silver are cash.

Some gold are fortune.

Conclusions:

(I): Some silver are fortune.

(II): Some gold are cash.

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

Q.71 This question is based on the five, three-digit numbers given below.

(Left) 192 574 563 189 567 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 13
 - ☐ B. 11
 - ☐ C. 15
 - ☒ D. 12

Q.72 In a certain code language, 'will you go' is coded as 'rt sj mn' and 'will kill you' is coded as 'sj rt pr'. How is 'kill' coded in the given language?

- Ans**
- ☐ A. rt
 - ☒ B. pr
 - ☐ C. mn
 - ☐ D. sj

Q.73 What should come in place of the question mark (?) in the given series?

6 9 14 23 40 ?

- Ans**
- ☐ A. 85
 - ☐ B. 81
 - ☒ C. 73
 - ☐ D. 79

Q.74 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair 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. DF-BD
 - ☒ B. OQ-MO
 - ☒ C. UW-SU
 - ☒ D. IK-FK

Q.75 What should come in place of the question mark (?) in the given series?

3 ? 18 38 78 158

- Ans**
- ☒ A. 10
 - ☒ B. 6
 - ☒ C. 8
 - ☒ D. 5

Q.76 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is T related to P if 'T # Q % C % N # P'?

- Ans**
- ☒ A. Husband's sister
 - ☒ B. Father's sister
 - ☒ C. Husband's father
 - ☒ D. Brother's wife

Q.77 What should come in place of the question mark (?) in the given series?
16 40 64 88 112 ?

- Ans**
- ☒ A. 135
 - ☒ B. 136
 - ☒ C. 133
 - ☒ D. 134

Q.78 ESQZ is related to JXVT in a certain way based on the English alphabetical order. In the same way, MGHM is related to RLMG. To which of the given options is LKJN related, following the same logic?

- Ans**
- ☒ A. OQOI
 - ☒ B. QPOH
 - ☒ C. OPQH
 - ☒ D. QQOI

Q.79 ACEH is related to GIKN in a certain way based on the English alphabetical order. In the same way, KMOR is related to QSUX. To which of the given options is JLNQ related, following the same logic?

- Ans**
- ☒ A. PSSB
 - ☒ B. PRTW
 - ☒ C. PRSW
 - ☒ D. PQSW

Q.80 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 3 > + / \ ^ # + @ 7 9 3 6 \$ \ + 9 > 6 & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. One
☐ B. Three
☐ C. None
☐ D. Two

Section : General Awareness and Current Affairs

Q.81 India has improved its Sustainable Development Goals (SDG) ranking by how many places in the 2025 edition of the Sustainable Development Report in comparison with 2024?

- Ans** ☐ A. 6
☒ B. 10
☐ C. 19
☐ D. 14

Q.82 Who won the most Grand Prix races from January to June 2025?

- Ans** ☐ A. Max Verstappen
☒ B. Oscar Piastri
☐ C. Lando Norris
☐ D. Lewis Hamilton

Q.83 Which missile was showcased and debuted during Republic Day, 2025?

- Ans** ☐ A. Agni-V
☐ B. Nirbhay
☒ C. Pralay
☐ D. BrahMos NG

Q.84 At the 25th IIFA Awards held in March 2025, which film won the Best Picture award?

- Ans** ☐ A. Article 370
☐ B. Stree 2
☒ C. Laapataa Ladies
☐ D. Bhool Bhulaiyaa 3

Q.85 Under the Pradhan Mantri Jan Dhan Yojana (PMJDY), what key activity did the Reserve Bank of India mandate during July–September 2025?

- Ans** ☐ A. Account closures
☐ B. Loan disbursements
☒ C. Re-KYC of accounts
☐ D. Fee hikes

Q.86 Which of the following international organisations approved a programme to support women's employment in Tamil Nadu in 2025?

- Ans** ☐ A. International Monetary Fund
☐ B. United Nations
☐ C. Asian Development Bank
☒ D. World Bank

Q.87 Which date has been declared as 'National Space Day' in India?

- Ans**
- ☐ A. 11 May
 - ☐ B. 28 February
 - ☒ C. 23 August
 - ☐ D. 20 July

Q.88 In September 2025, heavy rains caused flash floods and landslides in the Nandanagar block of which district, forcing a massive NDRF/SDRF operation?

- Ans**
- ☐ A. Rudraprayag
 - ☐ B. Pithoragarh
 - ☐ C. Almora
 - ☒ D. Chamoli

Q.89 Who became the first male field athlete to win the Laureus World Sportsman of the Year award in April 2025?

- Ans**
- ☒ A. Armand Duplantis
 - ☐ B. Neeraj Chopra
 - ☐ C. Jakob Ingebrigtsen
 - ☐ D. Max Verstappen

Q.90 In 2025, under which scheme did Odisha CM Mohan Charan Majhi distribute ₹5,000 crore to around one crore women?

- Ans**
- ☐ A. Lakhpati Didi
 - ☒ B. Subhadra Yojana
 - ☐ C. Mission Shakti
 - ☐ D. Odisha Women Upliftment Programme

Q.91 Which massive sports talent hunt, launched by Bihar CM Nitish Kumar in May 2025, involves participation from students of secondary and higher secondary schools?

- Ans**
- ☐ A. Yuva Shakti
 - ☐ B. Khel Jyoti
 - ☐ C. Lakshya
 - ☒ D. Mashal

Q.92 The Greenhouse Gas Emission Intensity (GEI) Target Rules, 2025, notified in October 2025 apply to which of the following industrial sectors?

- Ans**
- ☐ A. Iron & steel, aluminium, coal, cement
 - ☐ B. Steel, cement, aluminium, textiles
 - ☒ C. Cement, aluminium, chlor-alkali, pulp & paper
 - ☐ D. Coal, power generation, cement, chemicals

Q.93 Which of the following organisations has successfully developed a new generation of man-portable autonomous underwater vehicles (MP-AUVs) for underwater mine detection missions, as per the Ministry of Defence announcement in November 2025?

- Ans**
- ☐ A. Hindustan Aeronautics Limited (HAL)
 - ☒ B. Defence Research and Development Organisation (DRDO)
 - ☐ C. Bharat Electronics Limited (BEL)
 - ☐ D. Indian Space Research Organisation (ISRO)

Q.94 Who among the following Indian scientists was awarded the COSPAR Harrie Massey Award in 2024?

- Ans**
- ☒ A. Prahlad Chandra Agrawal
 - ☐ B. K Radhakrishnan
 - ☐ C. Udupi Ramachandra Rao
 - ☐ D. G Madhavan Nair

Q.95 As per Union Budget 2025-26, how much borrowing is planned via gross market borrowings in FY2025-26?

- Ans**
- ☐ A. ₹13 lakh crore
 - ☐ B. ₹16 lakh crore
 - ☒ C. ₹14.82 lakh crore
 - ☐ D. ₹12.95 lakh crore

Q.96 In the November 2025 bye-elections, which of the following political parties won the by-election from Budgam (Jammu & Kashmir)?

- Ans**
- ☒ A. Jammu & Kashmir Peoples Democratic Party
 - ☐ B. Aam Aadmi Party
 - ☐ C. Bharatiya Janata Party
 - ☐ D. Indian National Congress

Q.97 Where was the 2024 Abu Dhabi Grand Prix held in December 2024?

- Ans**
- ☐ A. Suzuka International Racing Course
 - ☐ B. Circuit de Monaco
 - ☒ C. Yas Marina Circuit on Yas Island
 - ☐ D. Silverstone Circuit

Q.98 Who among the following is the Secretary-General of the United Nations as of 9 November 2025?

- Ans**
- ☐ A. Ban Ki-moon
 - ☐ B. Michelle Bachelet
 - ☒ C. António Guterres
 - ☐ D. Kofi Annan

Q.99 Who won Player of the Match in IPL 2025 final for RCB?

- Ans**
- ☐ A. Prasad Krishna
 - ☐ B. Rajat Patidar
 - ☐ C. Virat Kohli
 - ☒ D. Krunal Pandya

Q.100 Chhannulal Mishra, who passed away in October 2025, was noted for his contributions to which of the following fields?

- Ans**
- ☐ A. Folk music traditions
 - ☐ B. Sanskrit and Vedic studies
 - ☐ C. Kathak dance
 - ☒ D. Hindustani classical music



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Azad Infotech
Test Date	27/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statement(s) is /are true regarding the work done by a constant force acting on a body?

(i) The work done by the force can never be zero.

(ii) If the direction of the force and displacement of the body is same, the work done will be positive.

(iii) The S.I. unit of work done is joule.

Ans ☒ A. Both (i) and (iii)

☒ B. Both (ii) and (iii)

☒ C. Only (i)

☒ D. Only (ii)

Q.2 When a parallel beam of light passes through a convex lens, after refraction it:

Ans ☒ A. passes undeviated

☒ B. diverges away from the axis

☒ C. forms a virtual image at infinity

☒ D. converges to a point on the principal axis

Q.3 What is the main function of epithelial tissue in animals?

Ans ☒ A. It covers and protects organs and cavities of the body.

☒ B. It transports gases and hormones throughout the body.

☒ C. It provides mechanical support and shape to organs.

☒ D. It connects muscles and bones for body movement.

Q.4 Which part of the human brain controls thinking and learning abilities of a person?

Ans ☒ A. Medulla

☒ B. Cerebellum

☒ C. Cerebrum

☒ D. Hypothalamus

Q.5 Which of the following symbols represents a rheostat?

- Ans** ☒ A. A zigzag line with an arrow which is drawn across it.
☐ B. An 'A' inside a circle
☐ C. A zigzag line.
☐ D. A circle with a 'V' inside it.

Q.6 A ball is released from rest at the top of an inclined smooth plane of length 5 cm. After reaching the bottom it travels horizontally on a smooth surface. How much distance will it travel horizontally? (Neglect the frictional forces as both the plane and surface are smooth)

- Ans** ☐ A. 0 cm
☒ B. Infinite.
☐ C. 5 cm
☐ D. 2.5 cm

Q.7 Which of the following principles helps reduce pressure on the environment and promotes sustainable living?

- Ans** ☒ A. Reduce, Reuse, and Recycle
☐ B. Extract as much as possible
☐ C. Produce more and consume more
☐ D. Use and discard

Q.8 The doctor feels our heartbeats with the help of an instrument called ____.

- Ans** ☐ A. radiography
☒ B. stethoscope
☐ C. microscope
☐ D. reflex hammer

Q.9 Which of the following statements are correct in relation to the extraction of metals?

The metals which lie high in the reactivity series are extracted by the electrolysis of molten ore.

The metals of medium reactivity series exist as sulphides and carbonates in nature. It is easier to extract a metal from its sulphide in comparison to oxides.

- Ans** ☐ A. Only a and c
☐ B. All a, b, and c
☒ C. Only a and b
☐ D. Only b and c

Q.10 Which of the following is NOT a property associated with compounds?

- Ans** ☐ A. The new substance has totally different properties.
☐ B. Elements react to form new compounds.
☐ C. The composition of each new substance is always fixed.
☒ D. The constituents can be separated fairly easily by physical methods.

Q.11 Which of the following statements is/are true about the loudness and softness of a sound wave?

- (i) A loud sound has less amplitude as compared to a soft sound.
- (ii) A loud sound has more energy associated with it as compared to a soft sound.
- (iii) The loudness of a sound wave is the measure of the response of the ear to the sound.

Ans ☒ A. Both (ii) and (iii)

☐ B. Only (iii)

☐ C. Only (i)

☐ D. Both (i) and (ii)

Q.12 Which of the following is NOT an example of a colloidal solution?

Ans ☐ A. Milk

☐ B. Smoke

☒ C. Air

☐ D. Mist

Q.13 What happens to the gravitational force between two objects, if the distance between them is doubled and everything else remains the same?

Ans ☐ A. The force becomes four times

☐ B. The force becomes double

☒ C. The force becomes one-fourth

☐ D. The force becomes half

Q.14 Covalent bonds are formed by the:

Ans ☐ A. gaining of protons

☐ B. loss of neutrons

☐ C. transfer of electrons

☒ D. sharing of electrons

Q.15 What is the primary purpose of anodising aluminium?

Ans ☒ A. To enhance its corrosion resistance and appearance

☐ B. To make it softer and more flexible

☐ C. To increase its reactivity with acids

☐ D. To make it a better conductor

Q.16 In humans, which parent determines the sex of the child?

Ans ☐ A. Mother

☐ B. Both equally

☐ C. Child's own choice

☒ D. Father

Q.17 Which of the following statements is correct about the size of atoms?

Ans ☐ A. Atoms are larger than molecules.

☐ B. Atoms are visible under an ordinary microscope.

☐ C. All atoms have the same size.

☒ D. The size of atoms is in the range of nanometres.

Q.18 What is the meaning of the phrase “the DNA copies generated will be similar, but may not be identical”?

- Ans**
- ☒ A. DNA copies may have slight differences.
 - ☐ B. Each DNA copy is totally unrelated.
 - ☐ C. The original DNA is destroyed after copying.
 - ☐ D. All DNA copies are identical clones.

Q.19 Which of the following statements correctly compares vacuoles in plant and animal cells?

- Ans**
- ☐ A. Both plant and animal cells have equal-sized vacuoles
 - ☒ B. Plant cells have large vacuoles, animal cells have small ones
 - ☐ C. Animal cells have larger vacuoles than plant cells
 - ☐ D. Vacuoles are absent in both plant and animal cells

Q.20 Which of the following situations represents balanced force?

- Ans**
- ☐ A. A moving car comes to rest when brakes are applied.
 - ☒ B. Two people push a box from opposite sides with equal force.
 - ☐ C. A ball falling freely under gravity.
 - ☐ D. A person riding a bicycle uphill.

Q.21 In a substitution reaction involving an alkane, what happens to the hydrogen atoms of the alkane molecule?

- Ans**
- ☐ A. They are completely removed to form double bonds.
 - ☒ B. They are replaced by other atoms or groups of atoms.
 - ☐ C. They react with oxygen to form water.
 - ☐ D. They are added to the molecule to form a larger chain.

Q.22 An image is formed at a distance of 30 cm from a convex mirror when the object is placed 40 cm from the mirror. The magnification produced by the mirror will be _____.

- Ans**
- ☐ A. $-3/4$
 - ☐ B. $+4/3$
 - ☒ C. $+3/4$
 - ☐ D. $-4/3$

Q.23 Which of the following types of reproduction ensures that offspring inherit features from both parents in animals?

- Ans**
- ☐ A. Binary fission
 - ☐ B. Budding
 - ☒ C. Sexual reproduction
 - ☐ D. Cloning

Q.24 Which of the following statements best explains why dry HCl gas does NOT change the colour of dry litmus paper, but aqueous HCl does?

- Ans**
- ☐ A. Litmus paper only works in the presence of light.
 - ☐ B. Water reacts with litmus, not HCl.
 - ☐ C. Dry HCl gas is non-acidic.
 - ☒ D. HCl only releases H^+ ions when dissolved in water.

Q.25 If an electric heater consumes 1000 W of power, how much electrical energy does it use in 1 hour?

- Ans** ☒ A. 1 kWh
☐ B. 3600 J
☐ C. 1000 J
☐ D. 1000 kWh

Section : Mathematics

Q.26 In a race, an athlete covers a distance of 300 m in 100 sec in the first lap. He covers the second lap of the same length in 50 sec. What is the average speed (in m/sec) of the athlete?

- Ans** ☐ A. 9
☐ B. 13
☐ C. 14
☒ D. 4

Q.27 If 8 solid spherical balls, each of radius 10 cm, are melted and recast into a single spherical ball, then what is the radius of the new ball so formed?

- Ans** ☐ A. 10 cm
☒ B. 20 cm
☐ C. 30 cm
☐ D. 15 cm

Q.28 A tank can be filled by Pipe A in 9 hours and by Pipe B in 12 hours. Pipe C can empty the tank in 18 hours. All three pipes are opened simultaneously, but Pipe C is closed after 4 hours. How much total time in all will it take to fill the tank completely?

- Ans** ☐ A. $\frac{100}{11}$ hours
☐ B. $\frac{22}{3}$ hours
☒ C. $\frac{44}{7}$ hours
☐ D. $\frac{42}{5}$ hours

Q.29 Successive discounts of 9% and 6% are equivalent to a single discount of:

- Ans** ☐ A. 17.78%
☒ B. 14.46%
☐ C. 15.18%
☐ D. 15.62%

Q.30 The sides of a triangle are 35 cm, 44 cm and 75 cm. What is the length of its altitude corresponding to the side with the length of 44 cm?

- Ans** ☐ A. 58 cm
☒ B. 21 cm
☐ C. 65 cm
☐ D. 14 cm

Q.31 A total profit of ₹21,800 is to be distributed amongst A, B and C such that A : B = 4 : 15 and B : C = 9 : 3. The share (in ₹) of B in the profit is:

- Ans**
- ☐ A. 13,575
 - ☐ B. 13,525
 - ☒ C. 13,625
 - ☐ D. 13,675

Q.32 A man walks 430 m in 10 minutes, 470 m in 11 minutes and 620 m in 17 minutes. Then, his average speed (in m/minutes) for the whole journey is:

- Ans**
- ☒ A. 40
 - ☐ B. 55
 - ☐ C. 44
 - ☐ D. 78

Q.33 In an election between two candidates, Dinesh received 46.5% of the total votes and lost to Rizwan by a margin of 3150 votes. If all votes cast were valid, how many votes did Rizwan secure?

- Ans**
- ☒ A. 24,075
 - ☐ B. 20,925
 - ☐ C. 25,050
 - ☐ D. 25,925

Q.34 For 6 innings, a cricketer had an average of 90 runs. In the 7th inning, he scored 157 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- Ans**
- ☒ A. 10
 - ☐ B. 20
 - ☐ C. 8
 - ☐ D. 19

Q.35 Solve: $\frac{(100.5)^2 - (79.2)^2}{100.5 + 79.2}$

- Ans**
- ☐ A. 22.4
 - ☐ B. 20.2
 - ☒ C. 21.3
 - ☐ D. 23.5

Q.36 The price of fuel decreases by 35%, 55% and 35% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- Ans**
- ☒ A. Decreases by 68.63%
 - ☐ B. Increases by 70.61%
 - ☐ C. Increases by 64.64%
 - ☐ D. Decreases by 65.25%

Q.37 Find the value of x if $8(x)^{\frac{1}{2}} = \sqrt{6889} + \sqrt{4761}$.

- Ans**
- ☒ A. 361
 - ☐ B. 529
 - ☐ C. 289
 - ☐ D. 729

Q.38 The sum of two numbers is 74 and their difference is 12. Find the ratio of the smaller number to the larger number.

- Ans**
- ☐ A. 33 : 43
 - ☐ B. 33 : 47
 - ☐ C. 31 : 47
 - ☒ D. 31 : 43

Q.39 The arithmetic mean of the observations 78, 66, 89, 55, 73, 45, 23, 46 and 29 is:

- Ans**
- ☐ A. 52
 - ☒ B. 56
 - ☐ C. 50
 - ☐ D. 48

Q.40 P and Q together can fill a cistern with water in 15 hours. If P alone can fill the cistern with water in 60 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☐ A. 6
 - ☐ B. 10
 - ☒ C. 5
 - ☐ D. 11

Q.41 A fruit seller has 24 kg apples worth ₹3,600. He sells 12 kg apples at a gain of 20% and the remaining at a loss of 10%. Find his gain or loss (in ₹).

- Ans**
- ☒ A. Gain ₹180
 - ☐ B. Loss ₹360
 - ☐ C. Loss ₹180
 - ☐ D. Gain ₹360

Q.42 The sum of the present ages of two sisters is 67 years. Five years ago from now, the elder sister was twice as old as the younger one. Find the elder sister's current age.

- Ans**
- ☐ A. 40 years
 - ☐ B. 27 years
 - ☒ C. 43 years
 - ☐ D. 24 years

Q.43 Which of the options has the two prime numbers whose product is the biggest even number less than 30?

- Ans**
- ☐ A. 2 and 5
 - ☐ B. 3 and 11
 - ☒ C. 2 and 13
 - ☐ D. 3 and 7

Q.44 The amount on a sum of ₹7,500 at 6% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹8,604
 - ☐ B. ₹9,253
 - ☒ C. ₹8,427
 - ☐ D. ₹8,994

Q.45 In a cyclic quadrilateral ABCD, the sides are AB = 10 cm, BC = 14 cm, CD = 8 cm, and DA = 12 cm. Find the area of the quadrilateral.

- Ans
- ☐ A. $10\sqrt{210}$ cm²
 - ☐ B. $8\sqrt{222}$ cm²
 - ☐ C. $10\sqrt{222}$ cm²
 - ☒ D. $8\sqrt{210}$ cm²

Q.46 If $\sec \theta = \frac{17}{12}$, then what is the value of $\sin \theta$? ($0^\circ < \theta < 90^\circ$)

- Ans
- ☐ A. $\frac{12}{17}$
 - ☒ B. $\frac{\sqrt{145}}{17}$
 - ☐ C. $\frac{\sqrt{170}}{17}$
 - ☐ D. $\frac{13}{17}$

Q.47 The price of milk has increased by 20%. By how much should the consumption be reduced so that the expenditure remains constant on milk?

- Ans
- ☐ A. $16\frac{2}{7}\%$
 - ☒ B. $16\frac{2}{3}\%$
 - ☐ C. $16\frac{4}{7}\%$
 - ☐ D. $16\frac{1}{3}\%$

Q.48 If the third proportional to 50 and Z is 18, then what is the value of Z?

- Ans
- ☐ A. 27
 - ☐ B. 31
 - ☒ C. 30
 - ☐ D. 28

Q.49 Find a single discount (approximately) equal to three consecutive discounts of 2%, 8% and 15%.

- Ans
- ☐ A. 26.77%
 - ☒ B. 23.36%
 - ☐ C. 22.89%
 - ☐ D. 22.86%

Q.50 The sum of two numbers is 88 and their L.C.M. is 870. The two numbers are:

- Ans
- ☐ A. 35, 53
 - ☐ B. 23, 65
 - ☐ C. 28, 60
 - ☒ D. 30, 58

Q.51 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 7, 784)

(6, 3, 324)

- Ans** ☒ A. (5, 6, 900)
☐ B. (9, 3, 629)
☐ C. (4, 6, 676)
☐ D. (4, 5, 380)

Q.52 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YVW 58 VST 69 SPQ 80 PMN 91 ?

- Ans** ☐ A. MIJ 101
☒ B. MJK 102
☐ C. MKJ 102
☐ D. MRX 101

Q.53 What should come in place of the question mark (?) in the given series?

18 24 12 30 ? 36

- Ans** ☐ A. 4
☐ B. 10
☐ C. 8
☒ D. 6

Q.54 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A & B means 'A is the father of B'.

How is T related to M if 'T + O x R - N & M'?

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

Q.55 Each of the digits in the number 1785643 is arranged in ascending order from left to right. What will be the sum of the digits which are third from the left and third from the right in the new number thus formed?

- Ans** ☐ A. 12
☒ B. 10
☐ C. 14
☐ D. 6

Q.56 In a certain code language, 'please go on' is coded as 'js tk mj' and 'go there please' is coded as 'js yn tk'. How is 'on' coded in that language?

- Ans**
- ☒ A. yn
 - ☒ B. js
 - ☒ C. tk
 - ☒ D. mj

Q.57 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?

(20 Q 4) P 7 S 5 P 9 R (40 Q 8) P 4 = ?

- Ans**
- ☒ A. 75
 - ☒ B. 92
 - ☒ C. 35
 - ☒ D. 60

Q.58 This question is based on the five, three-digit numbers given below.

(Left) 627 543 658 719 482 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is multiplied with the second digit of the lowest number?

- Ans**
- ☒ A. 71
 - ☒ B. 73
 - ☒ C. 72
 - ☒ D. 70

Q.59 Vijaya ranked 7th from the top and 13th from the bottom in her class. How many students are there in the class?

- Ans**
- ☒ A. 20
 - ☒ B. 19
 - ☒ C. 18
 - ☒ D. 21

Q.60 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. GCW
 - ☒ B. RNH
 - ☒ C. ZVP
 - ☒ D. IFY

Q.61 DQXG is related to YUUI in a certain way based on the English alphabetical order. In the same way, GLQC is related to BPNE. To which of the given options is TKWD related, following the same logic?

- Ans**
- ☒ A. OOTF
 - ☒ B. POTF
 - ☒ C. OPSE
 - ☒ D. PPSE

Q.62 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

TUG : QYD

NCA : KGX

- Ans**
- ☐ A. BHQ : GDV
 - ☐ B. UKW : WGY
 - ☐ C. PNC : LQY
 - ☒ D. HKU : EOR

Q.63 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LIM VSW FCG PMQ ?

- Ans**
- ☐ A. ZWE
 - ☒ B. ZWA
 - ☐ C. ZEW
 - ☐ D. ZAW

Q.64 What should come in place of the question mark (?) in the given series?

40 47 55 64 74 ?

- Ans**
- ☐ A. 78
 - ☐ B. 81
 - ☐ C. 87
 - ☒ D. 85

Q.65 What should come in place of the question mark (?) in the given series?

2 3 ? 38 102 227

- Ans**
- ☐ A. 26
 - ☒ B. 11
 - ☐ C. 21
 - ☐ D. 14

Q.66 Arman starts from point A and drives 32 km towards the south. He then takes a left turn, drives 37 km, turns left and drives 35 km. He then takes a left turn and drives 38 km. He takes a final left turn, drives 3 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. 4 km to the west
 - ☒ B. 1 km to the east
 - ☐ C. 3 km to the west
 - ☐ D. 2 km to the east

- Q.67** 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:

All caps are hats.

All caps are scarfs.

Some scarfs are mufflers.

Conclusions:

(I) Some mufflers are caps.

(II) Some scarfs are hats.

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

- Q.68** Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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:

No stump is a ball.

Some balls are wickets.

Conclusion:

(I) No ball is a stump.

(II) No wicket is a ball.

- 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.69** Town X is to the north of Town Y. Town Z is to the west of Town Y. Town W is to the east of Town X. Town Z is to the north of Town V. What is the position of Town W with respect to Town Z?

- Ans** ☒ A. West
☒ B. North East
☒ C. South East
☒ D. East

- Q.70** All 30 students in a class are standing in a row, facing north. Meera is 10th from the left end, while Arjun is 19th from the right end. How many people stand between Meera and Arjun?

- Ans** ☒ A. 3
☒ B. 0
☒ C. 1
☒ D. 2

Q.71 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. F is the immediate neighbour of both E and C. E sits second to the right of G. A is sitting to the immediate left of G. G is the immediate neighbour of both A and B. D sits to the immediate right of C.
The position(s) of how many persons will remain unchanged if all persons are arranged in the English alphabetical order in clockwise direction, starting from A (including A)?

- Ans** ☒ A. Four
☐ B. Two
☐ C. Three
☐ D. One

Q.72 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 3 1 4 1 5 1 6 1 7 1 8 1 8 1 1 1 2 2 2 2 6 6 6 4 4 4 3 3 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans** ☐ A. Five
☒ B. Four
☐ C. Six
☐ D. Three

Q.73 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only).

(Left) 6 9 8 4 7 1 3 2 5 9 4 8 6 7 1 3 2 5 9 4 8 6 (Right)

How many unique digits in the series are multiples of 4 (each digit counted only once, regardless of repetitions)?

- Ans** ☒ A. Two
☐ B. One
☐ C. Three
☐ D. Four

Q.74 In a certain code language, 'ROUT' is coded as '1625' and 'AUTO' is coded as '1546'. What is the code for 'A' in that language?

- Ans** ☒ A. 4
☐ B. 5
☐ C. 1
☐ D. 6

Q.75 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only two people sit to the left of C. Only three people sit between C and G. B sits second to the right of C. Only two people sit between B and A. E sits at some place to the right of F but at some place to the left of D.
How many people sit to the right of C?

- Ans** ☒ A. 4
☐ B. 5
☐ C. 2
☐ D. 3

Q.76 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. CGH
☐ B. YBD
☐ C. RUW
☐ D. JMO

Q.77 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. C is seated second from the left end. F is third to the right of B. G is seated to the left of C and at one of the ends. Only two people sit between G and B. Only one person is seated between D and F. E is not a neighbour of F. Who is seated second from the right end?

- Ans** ☐ A. E
☒ B. A
☐ C. D
☐ D. B

Q.78 XBNO is related to UYKL in a certain way based on the English alphabetical order. In the same way, PAQJ is related to MXNG. To which of the given options is FWOM related, following the same logic?

- Ans** ☐ A. BSKI
☐ B. GXPN
☐ C. DUMK
☒ D. CTLJ

Q.79 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 4 5 8 3 9 6 5 7 3 9 1 4 2 (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. Two
☐ B. One
☐ C. None
☐ D. Three

Q.80 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?

8 B 2 D 15 C 25 A 5 = ?

- Ans** ☐ A. 17
☐ B. 22
☐ C. 12
☒ D. 6

Q.81 Which of the following initiatives did the Maharashtra Government approve in September 2025 to generate employment in Tier-2 and Tier-3 cities and boost skilled job opportunities?

- Ans
- ☐ A. Targeted Wage Subsidy Programme for unskilled labourers
 - ☐ B. Free Urban Transit Support Scheme for job seekers
 - ☐ C. Mandatory Local Employment Reservation framework in enterprises
 - ☒ D. Global Capability Center policy to expand centres across the state

Q.82 As per Human Development Index (HDI) 2025, what is the rank of India?

- Ans
- ☐ A. 110th
 - ☒ B. 130th
 - ☐ C. 90th
 - ☐ D. 150th

Q.83 Which of the following ministries announced the fourth phase of amalgamation of RRBs in April 2025 under the 'One State, One RRB' policy to enhance the operational efficiency of regional rural banks (RRBs)?

- Ans
- ☐ A. Minister of Home Affairs
 - ☐ B. Ministry of Rural Development
 - ☒ C. Ministry of Finance
 - ☐ D. Ministry of Corporate Affairs

Q.84 Which Indian actress was named National Ambassador for Cyber Safety by Ministry of Home Affairs in October 2024?

- Ans
- ☐ A. Janhvi Kapoor
 - ☐ B. Sara Ali Khan
 - ☒ C. Rashmika Mandanna
 - ☐ D. Alia Bhatt

Q.85 India observed World No Tobacco Day on which date in 2025?

- Ans
- ☒ A. 31 May
 - ☐ B. 5 May
 - ☐ C. 3 May
 - ☐ D. 17 May

Q.86 At the Taiwan Athletics Open, which took place in Taipei on 7 and 8 June 2025, how many total medals did India win?

- Ans
- ☐ A. 12
 - ☒ B. 16
 - ☐ C. 14
 - ☐ D. 10

Q.87 In March 2025, who inaugurated the two-day National Conference on 'Environment - 2025' in New Delhi?

- Ans
- ☐ A. Prime Minister of India
 - ☐ B. Speaker of Lok Sabha
 - ☒ C. President of India
 - ☐ D. Vice President of India

Q.88 In July 2025, DRDO successfully conducted two consecutive successful flight tests of the Pralay missile at which of the following locations?

- Ans**
- ☐ A. Balasore
 - ☐ B. Chandipur
 - ☐ C. Pokhran
 - ☒ D. Dr. APJ Abdul Kalam Island

Q.89 Which of the following states witnessed the swearing-in of a newly elected government led by the NDA coalition in November 2025?

- Ans**
- ☐ A. Assam
 - ☒ B. Bihar
 - ☐ C. Jharkhand
 - ☐ D. Uttar Pradesh

Q.90 Who became the first athlete to throw beyond 75 m in the men's discus event, setting a world record of 75.56 m in April 2025?

- Ans**
- ☐ A. Sam Mattis
 - ☒ B. Mykolas Alekna
 - ☐ C. Matthew Denny
 - ☐ D. Virgilijus Alekna

Q.91 Which of the following cities were among the safest for women according to (National Annual Report & Index on Women's Safety) NARI 2025?

- Ans**
- ☒ A. Kohima, Visakhapatnam, Bhubaneswar
 - ☐ B. Lucknow, Jaipur, Delhi
 - ☐ C. Delhi, Patna, Indore
 - ☐ D. Ranchi, Srinagar, Kolkata

Q.92 During COP30 held in November 2025, the term Conference of the Parties (COP) refers to the meeting of the Parties under which United Nations convention?

- Ans**
- ☐ A. United Nations Convention on Biological Diversity (UNCBD)
 - ☒ B. United Nations Framework Convention on Climate Change (UNFCCC)
 - ☐ C. United Nations Convention Against Corruption (UNCAC)
 - ☐ D. Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)

Q.93 Which para-archer achieved a historic milestone by becoming the first in their discipline to be honoured with the Padma Shri in 2025?

- Ans**
- ☒ A. Harvinder Singh
 - ☐ B. Jyoti Balyan
 - ☐ C. Vivek Chikara
 - ☐ D. Rakesh Kumar

Q.94 At which summit did India's NSA Ajit Doval push for a unified counter-terrorism stance in June 2025?

- Ans**
- ☐ A. EU Summit in Brussels
 - ☒ B. SCO Summit in China
 - ☐ C. ASEAN Summit in Jakarta
 - ☐ D. G20 Summit in New Delhi

Q.95 Which key reform did the Economic Survey 2024-25 emphasise for long-term growth?

- Ans**
- ☐ A. Public sector expansion
 - ☒ B. Systemic deregulation
 - ☐ C. Nationalisation of banks
 - ☐ D. Price control regimes

Q.96 Who became the oldest man to reach the semi-finals of an ATP Masters 1000 event in 2025?

- Ans**
- ☐ A. Rafael Nadal
 - ☒ B. Novak Djokovic
 - ☐ C. Andy Murray
 - ☐ D. Roger Federer

Q.97 Which Indian city's government conducted the first cloud seeding flight trial in October 2025 to combat severe air pollution?

- Ans**
- ☐ A. Jaipur
 - ☐ B. Lucknow
 - ☐ C. Mumbai
 - ☒ D. Delhi

Q.98 In May 2025, which of the following nodal agencies of the Union Government invited public comments on the Draft Framework of India's Climate Finance Taxonomy?

- Ans**
- ☐ A. Department of Financial Services
 - ☐ B. National Statistical Office
 - ☐ C. NITI Aayog Secretariat
 - ☒ D. Department of Economic Affairs

Q.99 When did Larsen & Toubro (L&T) launch the Indian Navy's Second Multi-Purpose Vessel (MPV)?

- Ans**
- ☒ A. January 2025
 - ☐ B. September 2024
 - ☐ C. March 2025
 - ☐ D. December 2024

Q.100 Who was named the Men's Player of the Year at the All India Football Federation Awards 2025 in May 2025?

- Ans**
- ☐ A. Vishal Kaith
 - ☐ B. Khalid Jamil
 - ☒ C. Subhasish Bose
 - ☐ D. Brison Fernandes



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Moula Ali
Test Date	27/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What would you call the middle elongated part of the female reproductive part of a flower?

- Ans**
- ☒ A. Pollen grain
 - ☒ B. Stigma
 - ☒ C. Style
 - ☒ D. Ovary

Q.2 Cells differ in shape and size according to the work they perform in living organisms. Which of the following correctly compares a cell's shape with its function?

- Ans**
- ☒ A. Red blood cell – Long and branched, transmits messages
 - ☒ B. Muscle cell – Flat and disc-shaped, carries oxygen
 - ☒ C. Nerve cell – Round in shape, stores food
 - ☒ D. Amoeba – Irregular in shape, helps in movement and capturing food

Q.3 In electrolytic refining, the impure metal is used as which of the following?

- Ans**
- ☒ A. Anode
 - ☒ B. Salt
 - ☒ C. Cathode
 - ☒ D. Electrolyte

Q.4 Which of the following is a chemical change?

- Ans**
- ☒ A. Combustion of petrol
 - ☒ B. Ice melting
 - ☒ C. Mixing salt and water
 - ☒ D. Evaporation of water

Q.5 Which of the following instruments is used to determine the purity of a milk sample?

- Ans**
- ☒ A. Hydrometer
 - ☒ B. Lactometer
 - ☒ C. Barometer
 - ☒ D. Thermometer

Q.6 Which of the following 'indicators' is used to test the nature of solutions besides litmus paper?

- Ans**
- ☐ A. Sand and alcohol
 - ☐ B. Table salt and vinegar
 - ☒ C. Turmeric and red cabbage juice
 - ☐ D. Sugar and water

Q.7 What distinguishes rough ER (RER) from smooth ER (SER)?

- Ans**
- ☒ A. Presence of ribosomes on RER, absence on SER
 - ☐ B. Presence of chlorophyll on RER, absence on SER
 - ☐ C. Absence of membranes in RER, presence in SER
 - ☐ D. Absence of proteins in RER, presence in SER

Q.8 What is the purpose of enrichment of ore before extraction?

- Ans**
- ☐ A. To increase weight
 - ☒ B. To remove impurities
 - ☐ C. To remove moisture
 - ☐ D. To convert it into salt

Q.9 The skin on the face is primarily made up of which epithelial tissue?

- Ans**
- ☐ A. Ciliated
 - ☐ B. Cuboidal
 - ☒ C. Squamous
 - ☐ D. Columnar

Q.10 A stone of mass 500g is raised from ground to a height of 20 m. What is the gain in its potential energy?

(Take $g=10 \text{ m/s}^2$)

- Ans**
- ☐ A. 200J
 - ☒ B. 100J
 - ☐ C. 50 J
 - ☐ D. 150J

Q.11 A straight conductor carrying current is placed parallel to a uniform magnetic field. The force on the conductor will be:

- Ans**
- ☐ A. maximum
 - ☒ B. zero
 - ☐ C. infinite
 - ☐ D. half the maximum

Q.12 The process of seed dispersal helps in:

- Ans**
- ☒ A. colonising new habitats
 - ☐ B. forming new flowers on the same plant
 - ☐ C. increasing seed size
 - ☐ D. promoting self-pollination

Q.13 Which of the following leads to significant damage to the ozone layer in the atmosphere?

- Ans
- ☐ A. Carbon dioxide
 - ☐ B. Methane
 - ☒ C. Chlorofluorocarbons (CFCs)
 - ☐ D. Oxygen

Q.14 The phenomenon in which different parts of the plant, like root, stem and leaves, develop into new plants under appropriate conditions is called _____.

- Ans
- ☒ A. Vegetative propagation
 - ☐ B. Sexual reproduction
 - ☐ C. Fertilisation
 - ☐ D. Regeneration

Q.15 Which statement best describes an olfactory indicator?

- Ans
- ☐ A. A liquid that changes colour in all solutions
 - ☐ B. A gas that reacts only with strong acids
 - ☒ C. A substance that changes smell in acids and bases
 - ☐ D. A solid that dissolves in both acids and bases

Q.16 To get a virtual, erect and enlarged image using a spherical mirror, the object must be placed _____.

- Ans
- ☐ A. at the principal focus (F) of a concave mirror
 - ☐ B. at the centre of curvature (C) of a concave mirror
 - ☐ C. at the principal focus (F) of a convex mirror
 - ☒ D. between the pole (P) and the principal focus (F) of a concave mirror

Q.17 When you shake a tree, fruits fall because of _____.

- Ans
- ☒ A. Gravity and Inertia of rest
 - ☐ B. Air pressure
 - ☐ C. Inertia of motion
 - ☐ D. Gravity only

Q.18 What happens to biodegradable substances when they are released in the environment?

- Ans
- ☐ A. They persist forever.
 - ☒ B. They get broken down into simpler components.
 - ☐ C. They get converted into toxic chemicals.
 - ☐ D. They deplete the ozone layer.

Q.19 An object is placed at a distance of 40 cm from a convex lens of focal length 10 cm, such that an image is formed at a distance of X cm from the lens. What is the value of X?

- Ans
- ☒ A. +40/3
 - ☐ B. +8
 - ☐ C. -8
 - ☐ D. -40/3

Q.20 According to the right-hand thumb rule, if the thumb points in the direction of current, then the fingers show:

- Ans**
- ☐ A. direction of electric force
 - ☒ B. direction of magnetic field lines
 - ☐ C. direction of voltage
 - ☐ D. direction of resistance

Q.21 The main reason an echo is NOT heard clearly in a small room is:

- Ans**
- ☐ A. Sound intensity decreases too quickly over short distances
 - ☒ B. Time interval between original sound and echo is too short
 - ☐ C. Sound frequency is too high
 - ☐ D. Sound travels too slowly

Q.22 Which property most definitively distinguishes a suspension from a colloid?

- Ans**
- ☐ A. Absence of light scattering under illumination
 - ☐ B. Formation of covalent solute-solvent bonds
 - ☐ C. Homogeneity of the mixture
 - ☒ D. Settling of particulates under gravitational force

Q.23 What is generally produced when a metal reacts with an acid?

- Ans**
- ☐ A. Salt and water
 - ☐ B. Salt only
 - ☐ C. Salt and oxygen
 - ☒ D. Salt and hydrogen gas

Q.24 Which of the following is a characteristic of a colloidal solution?

- Ans**
- ☒ A. Particles scatter a beam of light
 - ☐ B. Particles settle down on standing
 - ☐ C. Particles can be separated by filtration
 - ☐ D. Particles are invisible under a microscope

Q.25 The newton (N) is the SI unit of force. Which of the following expresses one newton (N) in terms of the fundamental SI units (kilogram, metre and second)?

- Ans**
- ☒ A. kg.m/s^2
 - ☐ B. $\text{kg/m}^2.\text{s}$
 - ☐ C. kg.m.s
 - ☐ D. $\text{kg.m}^2/\text{s}$

Section : Mathematics

Q.26 The average of the first 13 even natural numbers is:

- Ans**
- ☐ A. 13
 - ☒ B. 14
 - ☐ C. 11
 - ☐ D. 15

Q.27 If the radius of a sphere is increased by 37.5%, its surface area is increased by $\frac{22}{7}$ times. (Take $\pi = \frac{22}{7}$)

- Ans
- ☐ A. 39,444 cm²
 - ☐ B. 39,414 cm²
 - ☐ C. 39,394 cm²
 - ☒ D. 39,424 cm²

Q.28 In a test, B got 50 marks while A got 80 marks, out of 85 maximum marks. What percentage of A's marks was B's marks?

- Ans
- ☒ A. 62.5%
 - ☐ B. 85%
 - ☐ C. 94.12%
 - ☐ D. 160%

Q.29 A contractor agreed to complete a job in 74 days. He employed 21 men to work, but only one-fourth of the work was completed in 32 days. How many additional men must he employ to finish the remaining work within the stipulated time?

- Ans
- ☐ A. 25
 - ☐ B. 22
 - ☐ C. 24
 - ☒ D. 27

Q.30 Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 20 February 2024 to 21 April 2024.

- Ans
- ☐ A. 38
 - ☐ B. 39
 - ☐ C. 41
 - ☒ D. 40

Q.31 Simplify the given expression.

$$(5x + 3y)^2 - (5x - 3y)^2$$

- Ans
- ☒ A. 60xy
 - ☐ B. 90xy
 - ☐ C. 120xy
 - ☐ D. 30xy

Q.32 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 80^\circ$. E is a point on BC such that $\angle CAE = 37^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☐ A. 45°
 - ☐ B. 49°
 - ☒ C. 47°
 - ☐ D. 40°

Q.33 Rama made necklaces with either 24 beads, 36 beads or 40 beads, such that no bead was left over. What is the least number of beads Rama could have?

- Ans
- ☐ A. 420
 - ☒ B. 360
 - ☐ C. 320
 - ☐ D. 280

Q.34 A student secured 300 marks out of a maximum of x marks in a test. If the same percentage score were applied to a test of 400 marks, he would have scored 200 marks. What were the maximum marks of the original test?

- Ans**
- ☒ A. 500
 - ☒ B. 600
 - ☒ C. 700
 - ☒ D. 800

Q.35 A mother's age is double her son's age at present. If the difference of their ages after 24 years from now is 20, then find their ages at present (in years), respectively.

- Ans**
- ☒ A. 38, 19
 - ☒ B. 40, 20
 - ☒ C. 46, 23
 - ☒ D. 54, 28

Q.36 If the radius of a sphere is 10 cm, then its surface area is:

- Ans**
- ☒ A. $341 \pi \text{ cm}^2$
 - ☒ B. $400 \pi \text{ cm}^2$
 - ☒ C. $336 \pi \text{ cm}^2$
 - ☒ D. $200 \pi \text{ cm}^2$

Q.37 A chair is marked at ₹4,000 and sold at ₹3,600 after a certain discount. If the shopkeeper still makes a profit of 20%, find the cost price of the chair.

- Ans**
- ☒ A. ₹3,200
 - ☒ B. ₹3,000
 - ☒ C. ₹2,800
 - ☒ D. ₹3,400

Q.38 A girl goes to school at a speed of 45 km/h. She comes back with a speed of 36 km/h. Find her average speed for the whole journey.

- Ans**
- ☒ A. 40 km/h
 - ☒ B. 42 km/h
 - ☒ C. 38 km/h
 - ☒ D. 33 km/h

Q.39 Simplify: $\left(1 - \frac{1}{\cos\theta}\right)\left(\frac{1 + \sec\theta}{\tan^2\theta}\right)$

- Ans**
- ☒ A. 1
 - ☒ B. -1
 - ☒ C. $\tan\theta$
 - ☒ D. $-\tan\theta$

Q.40 Walking at $\frac{5}{8}$ of his normal speed from his home, Tarun is 21 minutes late. The usual time taken by him to cover the distance between his home :



- Ans**
- ☒ A. 35 minutes
 - ☒ B. 37 minutes
 - ☒ C. 28 minutes
 - ☒ D. 29 minutes

Q.41 If the fourth proportional to P, 22 and 8 is 11, then find the value of P.

- Ans**
- ☐ A. 13
 - ☐ B. 19
 - ☒ C. 16
 - ☐ D. 15

Q.42 The mode of the observations 26, 26, 22, 21, 31, 24, 21, 28, 28, 30, 33, 22, 25, 23 and 21 is:

- Ans**
- ☒ A. 21
 - ☐ B. 22
 - ☐ C. 28
 - ☐ D. 26

Q.43 The marked price of a toy truck is ₹8,810, and its selling price is ₹6,250. Find the discount percentage. (Round off the answer to two decimal places.)

- Ans**
- ☐ A. 27.41%
 - ☐ B. 31.08%
 - ☒ C. 29.06%
 - ☐ D. 32.51%

Q.44 A shopkeeper buys an article for ₹850, spends ₹200 on repairs and sells it for ₹1,200. What is his profit percentage (rounded off to two decimal places)?

- Ans**
- ☒ A. 14.29%
 - ☐ B. 13.29%
 - ☐ C. 14.79%
 - ☐ D. 13.79%

Q.45 ₹5,177 is divided among A, B and C in such a way that if ₹72, ₹21 and ₹24 be deducted from their respective shares, they have money in the ratio 3 : 13 : 7. Find the difference between the original shares of B and C.

- Ans**
- ☐ A. ₹1,470
 - ☐ B. ₹1,220
 - ☒ C. ₹1,317
 - ☐ D. ₹1,420

Q.46 If 40% of 20% of $\frac{4}{7}$ of a number is 336, find the number.

- Ans**
- ☒ A. 7350
 - ☐ B. 8120
 - ☐ C. 8190
 - ☐ D. 7630

Q.47 The sum of the first 19 prime numbers is:

- Ans**
- ☐ A. 564
 - ☐ B. 571
 - ☐ C. 570
 - ☒ D. 568

Q.48 If $5.12 \times 50625 \times 0.5488 = 2^a 3^b 5^c 7^d$, then find the value of $a + b + c + d$.

- Ans**
- ☐ A. 10
 - ☒ B. 12
 - ☐ C. 23
 - ☐ D. 14

Q.49 A, B and C can do a piece of work in 2, 15 and 10 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans** ☒ A. 9
☒ B. 3
☒ C. 4
☒ D. 6

Q.50 In an election, there were 12,000 voters. In the first round, Babita received 40% of the votes, and Ramanlal received 35% of the votes. The remaining votes went to other candidates. In the second round, Babita gained 20% more votes compared to the first round, while Ramanlal gained 10% more votes. How many votes did Babita receive in the second round?

- Ans** ☒ A. 6,400
☒ B. 5,600
☒ C. 6,000
☒ D. 5,760

Section : General Intelligence and Reasoning

Q.51 Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right.

(Left) 4 7 2 8 1 5 6 9 3 8 2 4 7 1 9 5 3 6 8 2 7 4 1 9 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans** ☒ A. Five
☒ B. Three
☒ C. Two
☒ D. Four

Q.52 All 92 people are standing in a row facing north. Mr. Akte is 9th from the left end while Mr. Memi is 27th from the right end. How many people are there between Mr. Akte and Mr. Memi?

- Ans** ☒ A. 56
☒ B. 54
☒ C. 55
☒ D. 57

Q.53 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

EQL 2 GMN 6 IIP 18 KER 54 ?

- Ans** ☒ A. MBT 158
☒ B. MAS 168
☒ C. MBS 158
☒ D. MAT 162

Q.54 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$29 \div 13 + 545 \times 5 - 317 = ?$$

- Ans** ☒ A. 566
☒ B. 519
☒ C. 504
☒ D. 585

Q.55 In a certain code language, 'seek new hope' is coded as 'dp ml vy' and 'hope fuels dreams' is coded as 'gj sc dp'. How is 'hope' coded in the given language?

- Ans** ☒ A. dp
☐ B. vy
☐ C. sc
☐ D. gj

Q.56 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) * © 2 1 £ 2 6 2 £ © @ % £ \$ 4 \$ \$ \$ @ \$ 1 4 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☐ A. 4
☐ B. 1
☐ C. 3
☒ D. 2

Q.57 In a certain code language, 'TOUR' is coded as '8571' and 'DOUT' is coded as '5478'. What is the code for 'D' in that language?

- Ans** ☒ A. 4
☐ B. 5
☐ C. 8
☐ D. 7

Q.58 Six people, D, E, F, G, H and I, are sitting in a row, facing towards the north. H is sitting to the immediate right of F and to the immediate left of D. E is sitting to the right of F and three people are sitting in between them. G is sitting to the immediate left of E. I is sitting to the immediate right of E. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that DOES NOT belong to that group?

- Ans** ☐ A. DG
☒ B. HE
☐ C. EI
☐ D. FH

Q.59 Six people, A, B, C, D, E and F are sitting in a row, facing north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

- Ans** ☐ A. Three
☐ B. Two
☒ C. One
☐ D. None

Q.60 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

END BRA YVX VZU ?

- Ans** ☒ A. SDR
☐ B. RCQ
☐ C. TCR
☐ D. TES

Q.61 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GJH-LOM

HKI-MPN

- Ans**
- ☒ A. VXU-ZCA
 - ☒ B. VYW-ADB
 - ☒ C. VYW-ZDA
 - ☒ D. VXU-ADB

Q.62 Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. C sits to the immediate right of A. Only two people sit between C and D when counted from the right of D. Only three people sit between D and E when counted from the left of D. H sits to the immediate right of E. B is not an immediate neighbour of D. F sits second to the right of G. Who sits third to the right of F?

- Ans**
- ☒ A. E
 - ☒ B. A
 - ☒ C. B
 - ☒ D. C

Q.63 What should come in place of the question mark (?) in the given series?

412 414 418 424 432 ?

- Ans**
- ☒ A. 439
 - ☒ B. 441
 - ☒ C. 445
 - ☒ D. 442

Q.64 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 conclusion/s logically follow/s from the given statements.

Statements: Some sandals are crocs. All crocs are flipflops.

Conclusion I: Some sandals are flipflops.

Conclusion II: All flipflops are crocs.

- Ans**
- ☒ A. Only Conclusion II follows
 - ☒ B. Both Conclusions I and II follow
 - ☒ C. Neither Conclusion I nor II follows
 - ☒ D. Only Conclusion I follows

Q.65 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. WSV
 - ☒ B. FBE
 - ☒ C. RNQ
 - ☒ D. ZVX

- Q.66 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☒ A. AX-BY
☒ B. DA-DD
☒ C. NK-OL
☒ D. XU-YV

- Q.67 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:

All hearts are spades.

All aces are spades.

No spades are pens.

Conclusions:

(I): All aces are hearts.

(II): No hearts are pens.

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

- Q.68 LNRO is related to QSWT in a certain way based on the English alphabetical order. In the same way, TVZW is related to YAEB. To which of the given options is EGKH related, following the same logic?

- Ans ☒ A. JLOM
☒ B. JKOM
☒ C. JMOU
☒ D. JLPM

- Q.69 Samyuktha starts from Point H and drives 8 km towards the east. She then takes a right turn, drives 7 km, turns right and drives 10 km. She then takes a right turn and drives 11 km. She takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point H again?

(Note: All turns are 90° turns only unless specified.)

- Ans ☒ A. 6 km towards west
☒ B. 7 km towards north
☒ C. 4 km towards south
☒ D. 5 km towards north

- Q.70 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$94 - 115 \times 5 + 14 \div 7 = ?$$

- Ans ☒ A. 16
☒ B. 18
☒ C. 19
☒ D. 14

Q.71 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 30, 56)

(20, 36, 68)

- Ans**
- ☐ A. (10, 26, 56)
 - ☐ B. (26, 10, 16)
 - ☐ C. (12, 24, 40)
 - ☒ D. (15, 31, 58)

Q.72 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 1 6 1 5 5 2 4 8 4 9 1 8 7 3 3 6 9 1 2 6 2 1 2 7 4 9 3 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☐ A. 3
 - ☐ B. 5
 - ☒ C. 4
 - ☐ D. 6

Q.73 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?

17 P 4 R 65 Q 5 S (34 Q 2) P 10 S 6 P 3 = ?

- Ans**
- ☐ A. 258
 - ☒ B. 243
 - ☐ C. 191
 - ☐ D. 215

Q.74 In a certain code language,
A + B means 'A is the father of B',
A – B means 'A is the son of B',
A × B means 'A is the mother of B' and
A ÷ B means 'A is the brother of B'.

How is X related to T if 'X + Y – Z × W ÷ T'?

- Ans**
- ☐ A. Brother
 - ☐ B. Son
 - ☐ C. Daughter's son
 - ☒ D. Father

Q.75 What should come in place of the question mark (?) in the given series?

25 32 41 52 65 ?

- Ans**
- ☐ A. 82
 - ☐ B. 81
 - ☐ C. 79
 - ☒ D. 80

Q.76 Kinjal ranked 21st from the top and 12th from the bottom in her class. How many students are there in her class?

- Ans**
- ☐ A. 30
 - ☐ B. 31
 - ☒ C. 32
 - ☐ D. 33

Q.77 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only.)

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 5 4 8 3 9 6 5 2 3 9 1 4 2 (Right)

If all the odd numbers are dropped from the series, which of the following will be sixth from the left?

- Ans**
- ☐ A. 6
 - ☐ B. 8
 - ☐ C. 2
 - ☒ D. 4

Q.78 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JOYS - YJOS - SYOJ

LAKE - KLAE - EKAL

- Ans**
- ☐ A. KIND - NKID - INDK
 - ☐ B. HALT - HLAT - TLAH
 - ☐ C. ICED - CIED - DCEI
 - ☒ D. QUAD - AQUD - DAUQ

Q.79 What should come in place of the question mark (?) in the given series?

254 238 222 206 190 ?

- Ans**
- ☒ A. 174
 - ☐ B. 170
 - ☐ C. 176
 - ☐ D. 178

Q.80 Nawang starts from Point A and drives 16 km towards south. He then takes a right turn, drives 13 km, turns right and drives 17 km. He then takes a right turn and drives 19 km. He takes a final right 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. 4 km to the west
 - ☒ C. 6 km to the west
 - ☐ D. 5 km to the west

Q.81 Which of the following was launched by India in August 2025 to support countries of the Global South in meeting the Sustainable Development Goals?

- Ans**
- ☒ A. India-UN Global Capacity Building Initiative
 - ☐ B. Sustainable Development and Capacity Building Partnership
 - ☐ C. South-South SDG Empowerment Programme
 - ☐ D. SDG Partnership for Developing Nations

Q.82 The Utkarsh Odisha – Make in Odisha Conclave, 2025, was held at ____.

- Ans**
- ☐ A. Puri
 - ☒ B. Bhubaneswar
 - ☐ C. Koraput
 - ☐ D. Sambalpur

Q.83 Thiyaam Suryamukhi Devi, honoured with the Padma Shri in 2025, is famous for which classical dance form?

- Ans**
- ☐ A. Kuchipudi
 - ☐ B. Odissi
 - ☐ C. Bharatanatyam
 - ☒ D. Manipuri

Q.84 In 2025, the Ministry of Defence unveiled a long-term roadmap emphasising future-generation technologies such as AI, hypersonic weapons, nuclear propulsion for warships, and next-generation combat systems. Which of the following is the name of this plan/roadmap?

- Ans**
- ☐ A. Defence Modernisation Programme 2025
 - ☒ B. Technology Perspective & Capability Roadmap 2025
 - ☐ C. Long Term Integrated Perspective Plan 2025
 - ☐ D. Make-in-India Defence Mission 2025

Q.85 What significant step did the Karnataka High Court emphasise in November 2025 regarding child safety equipment?

- Ans**
- ☐ A. Delayed relaxation of child safety regulations until further notice
 - ☐ B. Limited exemption of child helmet use in rural Karnataka areas
 - ☐ C. Promotion of local manufacturing of child safety gear in Karnataka
 - ☒ D. Immediate implementation and enforcement of child helmet safety rules in Karnataka

Q.86 Which collection by Banu Mushtaq, translated by Deepa Bhashti, won the International Booker Prize, 2025?

- Ans**
- ☐ A. The Original
 - ☒ B. Heart Lamp
 - ☐ C. Hunchback
 - ☐ D. Under the Eye of the Big Bird

Q.87 Who has been awarded the first-ever EASD Diabetes Global Impact Prize in 2025?

- Ans**
- ☐ A. Dr. Randeep Guleria
 - ☐ B. Dr. Devi Shetty
 - ☒ C. Dr. V Mohan
 - ☐ D. Dr. Soumya Swaminathan

Q.88 In November 2025, which Indian state rolled out the amended Bharat Net Scheme across its territory, aiming in part to support real-time monitoring in sensitive border zones affected by regional disputes?

- Ans**
- ✓ A. Punjab
 - ✗ B. Gujarat
 - ✗ C. Haryana
 - ✗ D. Rajasthan

Q.89 Who won the 2025 Australian Open Men's Singles title?

- Ans**
- ✓ A. Jannik Sinner
 - ✗ B. Rafael Nadal
 - ✗ C. Novak Djokovic
 - ✗ D. Daniil Medvedev

Q.90 At which competition did Animesh Kujur set a new national record and win a bronze medal in the men's 200 m event?

- Ans**
- ✗ A. World Championships
 - ✗ B. Olympics
 - ✓ C. Asian Athletics Championships
 - ✗ D. South Asian Games

Q.91 In March 2025, which summit was held in India to focus on climate solutions and partnerships?

- Ans**
- ✗ A. G7 Summit for Climate Negotiations
 - ✗ B. Arctic Council Forum
 - ✓ C. World Sustainable Development Summit
 - ✗ D. ASEAN Environment Meeting

Q.92 Who became the fastest man in the world so far in 2025 in the 100 m race with a time of 9.86 s?

- Ans**
- ✗ A. Akani Simbine
 - ✗ B. Ferdinand Omanyala
 - ✗ C. Bayanda Walaza
 - ✓ D. Abdul-Rasheed Saminu

Q.93 Which customer segment is affected by ICICI Bank's raised minimum balance requirement?

- Ans**
- ✗ A. All existing savings account holders from 1 August 2025
 - ✗ B. Joint account holders only
 - ✓ C. Only new savings accounts opened from 1 August 2025
 - ✗ D. Only accounts in rural branches

Q.94 In August 2025, World Lion Day celebrations in Gujarat were held at which wildlife sanctuary, where a major conservation and eco-tourism initiative was also highlighted?

- Ans**
- ✗ A. Pania Wildlife Sanctuary
 - ✓ B. Barda Wildlife Sanctuary
 - ✗ C. Hingolghadh Wildlife Sanctuary
 - ✗ D. Kutch Desert Wildlife Sanctuary

Q.95 In December 2024, which of the following schemes was launched by Prime Minister Narendra Modi in Haryana to promote financial literacy and insurance awareness among women?

- Ans**
- ☐ A. Sakhi Suraksha Plan
 - ☐ B. Nari Suraksha Yojana
 - ☒ C. Bima Sakhi Yojana
 - ☐ D. Bima Shakti Scheme

Q.96 Which of the following multilateral negotiations did India and the Eurasian Economic Union (EAEU) sign in August 2025 as a step towards a Free Trade Agreement (FTA)?

- Ans**
- ☒ A. India-EAEU Terms of Reference (ToR) for an FTA
 - ☐ B. India-EAEU Cultural Exchange Agreement
 - ☐ C. India-EAEU Defence Pact
 - ☐ D. India-EAEU Comprehensive Economic Partnership Agreement

Q.97 How many runs did India's women's team score to set a national record in a One-Day International against Ireland in January 2025?

- Ans**
- ☐ A. 430
 - ☐ B. 400
 - ☒ C. 435
 - ☐ D. 425

Q.98 Which of the following is India's first fully robotic telescope in Ladakh that captured images of a massive asteroid during its close pass by Earth in July 2024?

- Ans**
- ☐ A. KALAM-India
 - ☐ B. AMRUT-India
 - ☒ C. GROWTH-India
 - ☐ D. NEW-India

Q.99 Where was the Combined Operational Review and Evaluation (CORE) Programme organised by the Headquarters Integrated Defence Staff (HQ IDS) from 22 to 26 September 2025?

- Ans**
- ☐ A. Indian Military Academy, Dehradun, Uttarakhand
 - ☒ B. United Service Institution of India, New Delhi
 - ☐ C. Defence Services Staff College, Wellington, Tamil Nadu
 - ☐ D. National Defence Academy, Pune

Q.100 'Deviants', a multigenerational queer novel published in February 2025, is authored by:

- Ans**
- ☐ A. Aria Aber
 - ☐ B. Amitav Ghosh
 - ☐ C. Akhil P Dharmajan
 - ☒ D. Santanu Bhattacharya



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Our Little Angels Home
Test Date	27/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What is the chemical name of baking soda?

- Ans ☒ A. Sodium hydrogen carbonate
☒ B. Sodium hydroxide
☒ C. Sodium sulphate
☒ D. Sodium carbonate

Q.2 Diffusion of particles is faster in:

- Ans ☒ A. cold liquids with large molecules
☒ B. gases at high temperatures
☒ C. solids with strong attractions
☒ D. water with low kinetic energy

Q.3 A long straight conductor carries current vertically upwards. What will be the direction of magnetic field at a point lying to the east of the wire?

- Ans ☒ A. Towards north
☒ B. Towards east
☒ C. Towards south
☒ D. Towards west

Q.4 In a sound wave, the particles of the medium ____.

- Ans ☒ A. do not vibrate
☒ B. rotate continuously
☒ C. vibrate along the direction of wave propagation
☒ D. vibrate perpendicular to the direction of wave propagation

Q.5

Which of the following changes involves both heat absorption and a change in state from solid to liquid?

- Ans ☒ A. Sublimation of camphor
☒ B. Freezing of water
☒ C. Condensation of steam
☒ D. Melting of ice

- Q.6** An athlete moves on a circular path with uniform speed, completing one revolution in a fixed time. Which of the following statements is correct?
- Ans** ☒ A. The athlete moves with constant speed, which equals the distance travelled in one revolution divided by the time for that revolution.
- ☒ B. The athlete's velocity remains constant in both magnitude and direction.
- ☒ C. The motion is a non-uniform circular motion.
- ☒ D. The athlete's speed decreases continuously as they move along the path.
- Q.7** If an object is kept at the focus F of a convex lens, where will the image be formed?
- Ans** ☒ A. At infinity, highly magnified, real
- ☒ B. At 2F, real and same size as object
- ☒ C. At infinity, virtual and magnified
- ☒ D. Between F and 2F, real and magnified
- Q.8** Movement of gases such as CO_2 or O_2 across the cell membrane occurs by _____, from _____ concentration to _____ concentration.
- Ans** ☒ A. endocytosis; equal; equal
- ☒ B. osmosis; low; high
- ☒ C. diffusion; high; low
- ☒ D. active transport; low; high
- Q.9** The process of converting farm waste material into decomposed matter rich in organic matter and nutrients is called:
- Ans** ☒ A. Fertilization
- ☒ B. Pollination
- ☒ C. Green Manuring
- ☒ D. Composting
- Q.10** Which of the following statements is NOT correct about an electric circuit?
- Ans** ☒ A. The direction of conventional current is opposite to the flow of electrons
- ☒ B. Current is a result of flow of electrons
- ☒ C. A switch helps to open or close the circuit
- ☒ D. Current flows in an open circuit
- Q.11** Which of the following best describes mechanical energy?
- Ans** ☒ A. The sum of light energy and chemical energy
- ☒ B. Energy stored in food and fuel
- ☒ C. Energy from the Sun
- ☒ D. The sum of potential energy and kinetic energy
- Q.12** Two objects of different masses are dropped from the same height in vacuum. Which one will reach first?
- Ans** ☒ A. Both reach the ground at the same time.
- ☒ B. The lighter one reaches first.
- ☒ C. The heavier one reaches first.
- ☒ D. Both reach at different times, depending on shape and size.
- Q.13** Which of the following statements about neurons is INCORRECT?
- Ans** ☒ A. Dendrites receive signals.
- ☒ B. A neuron is made of three parts: dendrites, cell body and axon.
- ☒ C. Neurons lack a nucleus.
- ☒ D. Axon sends signals out.

Q.14 Which of the following statements properly differentiates between a mixture and a compound?

- Ans**
- ☒ A. A mixture has a variable composition, while the composition of compounds is fixed.
 - ☐ B. A mixture has a fixed composition, while the composition of compounds is variable.
 - ☐ C. The mixture can be separated by chemical methods, while compounds can be separated by physical method.
 - ☐ D. A mixture shows different properties, while a compound has entirely same properties from its constituent elements

Q.15 The number of protons in an element with atomic number 10 is:

- Ans**
- ☐ A. 5
 - ☒ B. 10
 - ☐ C. 6
 - ☐ D. 8

Q.16 Burrs with hooks or spines are commonly dispersed by which of the following?

- Ans**
- ☒ A. Animals
 - ☐ B. Air
 - ☐ C. Gravity
 - ☐ D. Water

Q.17 The type of pollination where pollen grains are transferred from one flower to another of the same species through wind is called _____.

- Ans**
- ☐ A. entomophily
 - ☐ B. ornithophily
 - ☐ C. hydrophily
 - ☒ D. anemophily

Q.18 Which part of the eye controls the size of the pupil by adjusting to light?

- Ans**
- ☐ A. Retina
 - ☒ B. Iris
 - ☐ C. Crystalline lens
 - ☐ D. Cornea

Q.19 In the reaction $\text{MnO}_2 + 4\text{HCl} \rightarrow \text{MnCl}_2 + 2\text{H}_2\text{O} + \text{Cl}_2$, which substance is oxidised and which substance is reduced?

- Ans**
- ☐ A. MnO_2 is oxidised, HCl is reduced
 - ☒ B. MnO_2 is reduced, HCl is oxidised
 - ☐ C. MnO_2 is reduced, MnCl_2 is oxidised
 - ☐ D. MnCl_2 is oxidised, Cl_2 is reduced

Q.20 Which of the following hydrocarbons contains a branched chain?

- Ans**
- ☒ A. Isobutane
 - ☐ B. Butane
 - ☐ C. Ethene
 - ☐ D. Methane

Q.21 A force of 10 N causes mass m_1 to accelerate at 20 m/s^2 and mass m_2 to accelerate at 40 m/s^2 . What acceleration will the same force produce if both masses are tied together?

- Ans**
- ☐ A. 10 m/s^2
 - ☒ B. 13.3 m/s^2
 - ☐ C. 6 m/s^2
 - ☐ D. 26.7 m/s^2

Q.22 The reaction $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$ is an example of:

- Ans**
- ☐ A. Precipitation reaction
 - ☒ B. Double displacement reaction
 - ☐ C. Displacement reaction
 - ☐ D. Decomposition reaction

Q.23 In cattle farming, milk-producing buffaloes are called _____.

- Ans**
- ☐ A. shellfish
 - ☒ B. milch
 - ☐ C. layers
 - ☐ D. broilers

Q.24 What happens after fertilisation in the human female reproductive system?

- Ans**
- ☐ A. The zygote immediately becomes a foetus in the vagina.
 - ☐ B. The fertilised egg stays in the fallopian tube and develops there.
 - ☒ C. The fertilised egg divides to form an embryo, which implants in the uterine lining.
 - ☐ D. The embryo develops in the ovary and is nourished by the cervix.

Q.25 Why is the plasma membrane called a selectively permeable membrane?

- Ans**
- ☐ A. It controls energy production for the entire cell.
 - ☐ B. It allows free and equal movement of all substances.
 - ☐ C. It prevents all materials from entering or leaving the cell.
 - ☒ D. It allows only certain substances to pass through while restricting others.

Section : Mathematics

Q.26 The mode of the observations 3, 4, 4, 7, 3, 6, 2, 2, 6, 1, 3, 5, 9, 3, 8, 4 and 3 is

- Ans**
- ☐ A. 6
 - ☒ B. 3
 - ☐ C. 7
 - ☐ D. 4

Q.27 Suman, Tariq and Neha invest ₹1,71,000, ₹24,000 and ₹1,05,000, respectively, to start a business. If the profit at the end of the year is ₹7,16,200, then what is the share of Neha in the profit?

- Ans**
- ☐ A. ₹2,50,667
 - ☐ B. ₹2,50,668
 - ☐ C. ₹2,50,672
 - ☒ D. ₹2,50,670

Q.28 If $2^{x-1} + 2^{x+1} = 160$, then the value of $2x + 1$ is:

- Ans**
- ☐ A. 11
 - ☒ B. 13
 - ☐ C. 15
 - ☐ D. 9

Q.29 $4a2b$ is a four digit number divisible by 3. Select the correct possible values of a and b from the following.

- Ans**
- ☒ A. $a=0, b=0$
 - ☐ B. $a=3, b=1$
 - ☐ C. $a=2, b=0$
 - ☐ D. $a=0, b=1$

Q.30 Two trains are running in opposite directions at the same speed. If the length of each train is 350 m and they cross each other in 14 seconds, then what is the speed of each train?

- Ans
- ☐ A. 35 m/s
 - ☐ B. 26 m/s
 - ☒ C. 25 m/s
 - ☐ D. 28 m/s

Q.31 A cube and a cuboid have equal volumes. If the cube's side is 10 cm and the cuboid's dimensions are in the ratio 1 : 2 : 4, then find the cuboid's longest side.

- Ans
- ☒ A. 20 cm
 - ☐ B. 18 cm
 - ☐ C. 16 cm
 - ☐ D. 14 cm

Q.32 For 14 innings, a cricketer has an average of 51 runs. In the 15th inning, he scores 209 runs. His average score increased by _____.
(Round off your answer to the nearest whole number.)

- Ans
- ☐ A. 15
 - ☐ B. 10
 - ☒ C. 11
 - ☐ D. 20

Q.33 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 7 February 2023 to 21 April 2023.

- Ans
- ☐ A. 27
 - ☐ B. 29
 - ☐ C. 26
 - ☒ D. 28

Q.34 If $\cos A = \frac{4}{5}$, find the value of $4 + 4 \tan^2 A$.

- Ans
- ☐ A. $\frac{25}{16}$
 - ☐ B. $\frac{16}{25}$
 - ☐ C. $\frac{4}{25}$
 - ☒ D. $\frac{25}{4}$

Q.35 If the side of a square is measured 4% more than its actual length, what is the percentage error in the area of the square?

- Ans
- ☐ A. 4.04%
 - ☐ B. 4%
 - ☐ C. 8.08%
 - ☒ D. 8.16%

Q.36 One pipe can fill a tank in 3 minutes while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, then how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 5 minutes
 - ☐ B. 3 minutes
 - ☐ C. 4 minutes
 - ☒ D. 2 minutes

Q.37 In a quadrilateral IJKL, $\angle I = 17^\circ$ and $\angle J = 51^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

- Ans**
- ☐ A. 47°
 - ☒ B. 34°
 - ☐ C. 43°
 - ☐ D. 27°

Q.38 Mohan's monthly income is ₹40,000, and he spend 75% of the income. How much does he save each month?

- Ans**
- ☒ A. ₹10,000
 - ☐ B. ₹11,000
 - ☐ C. ₹10,500
 - ☐ D. ₹11,500

Q.39 A laptop is sold for ₹48,000 after two successive discounts of 20% and 25% on the marked price. Find the original marked price of the laptop.

- Ans**
- ☐ A. ₹78,000
 - ☒ B. ₹80,000
 - ☐ C. ₹88,000
 - ☐ D. ₹75,000

Q.40 In an election with two candidates, 25% of the total votes were invalid. One candidate received 40% of the valid votes. If the total number of votes was 3,75,000, how many valid votes did the other candidate receive?

- Ans**
- ☒ A. 1,68,750
 - ☐ B. 1,86,250
 - ☐ C. 1,75,450
 - ☐ D. 1,56,350

Q.41 The difference between the present ages of Sneha and her younger cousin Aryan is 12 years. Six years ago, Sneha was three times as old as Aryan was at that time. What is Sneha's present age (in years)?

- Ans**
- ☐ A. 26
 - ☐ B. 22
 - ☐ C. 30
 - ☒ D. 24

Q.42 An interior designer wants to cover a rectangular wall measuring 36 m × 64 m with square wallpaper tiles, with minimal wastage. What is the maximum possible side length of each square tile that can be used?

- Ans**
- ☐ A. 8 m
 - ☒ B. 4 m
 - ☐ C. 24 m
 - ☐ D. 12 m

Q.43 For a journey of 600 km, a truck covers the first 300 km at a speed of 42 km/hr. What speed (in km/hr) must it maintain for the remaining distance to achieve an average speed of 60 km/hr?

- Ans** ☒ A. 105
☐ B. 80
☐ C. 120
☐ D. 85

Q.44 Two pipes, A and B, together fill a tank in 8 hours. If they are opened separately, then B would take 12 hours more than A to fill the tank. Find the time taken (in hours) by A to fill the tank separately.

- Ans** ☐ A. 16
☐ B. 24
☒ C. 12
☐ D. 18

Q.45 An article is sold for ₹240 with a loss of 20%. What is the cost price?

- Ans** ☐ A. ₹350
☐ B. ₹250
☒ C. ₹300
☐ D. ₹400

Q.46 Due to water crisis, 38% of the initial population left the village, and 50% of the remaining left the village for pursuing jobs. If presently 1550 people inhabit the village, what is the ratio of the initial population to the present population?

- Ans** ☐ A. 100:33
☐ B. 103:33
☐ C. 108:33
☒ D. 100:31

Q.47 The amount ₹1,404 is divided among Neeraj, Vidya, and Mohan in such a way that if ₹47, ₹26, and ₹29 be deducted from their respective shares, they have money in the ratio 10 : 14 : 18. Find the actual share of Vidya.

- Ans** ☐ A. ₹384
☐ B. ₹284
☐ C. ₹534
☒ D. ₹460

Q.48 If the marked price of a mat is 76% more than its cost price and a discount of 25% is announced on it, then find the profit percentage.

- Ans** ☐ A. 35%
☒ B. 32%
☐ C. 29%
☐ D. 34%

Q.49 Simplify: $x^2 + 2x + x^2$

- Ans** ☐ A. $2x^2 - 2x$
☐ B. $x^2 + 2x$
☒ C. $2x^2 + 2x$
☐ D. $2x^2 + x$

Q.50 A student thinks of a two-digit number. The digits add up to 15, and the greater digit is 3 more than the smaller one. What is the product of the two digits?

- Ans** ☒ A. 54
☐ B. 36
☐ C. 63
☐ D. 45

Section : General Intelligence and Reasoning

Q.51 If '+' means '-', '-' means 'x', 'x' means '+' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$88 - 9 \div 195 + 988 \times 19 = ?$$

- Ans** ☐ A. 915
☒ B. 935
☐ C. 955
☐ D. 930

Q.52 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 8 4 5 2 8 9 3 3 4 8 1 6 1 7 5 4 4 2 2 8 5 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☐ A. 2
☒ B. 3
☐ C. 4
☐ D. 1

Q.53 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:

All melons are lemons.
No lemon is a pea.

Conclusions:

(I) No lemon is a melon.
(II) No melon is a pea.

- Ans** ☐ A. Both follow
☐ B. Only I follows
☒ C. Only II follows
☐ D. Neither follows

Q.54 What should come in place of the question mark (?) in the given series?

21 57 87 111 129 ?

- Ans** ☐ A. 136
☐ B. 143
☐ C. 139
☒ D. 141

Q.55 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

IHD 78 EDZ 87 AZV 96 WVR 105 ?

- Ans** ☒ A. SRN 114
☐ B. SBL 113
☐ C. SSM 114
☐ D. SQM 113

Q.56 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$(84 \times 12) \div 4 - (72 \times 9) \div 3 + 15 = ?$

- Ans** ☒ A. 37
☐ B. 24
☐ C. 48
☐ D. 59

Q.57 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order.
G is kept immediately above B. D is kept immediately above F. Only E is kept above A. Only two boxes are kept above G. D is not kept at third position from the bottom. How many boxes are kept above D?

- Ans** ☒ A. 5
☐ B. 2
☐ C. 3
☐ D. 4

Q.58 In a certain code language, 'FAME' is coded as '7469' and 'COAT' is coded as '2387'. What is the code for 'A' in the given code language?

- Ans** ☒ A. 7
☐ B. 8
☐ C. 2
☐ D. 4

Q.59 In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A % B means 'A is the father of B',
and A # B means 'A is the daughter of B'.

How is E related to K if 'K x N - L # E % C'?

- Ans** ☒ A. Husband's father
☐ B. Son
☐ C. Wife's mother
☐ D. Son's wife

Q.60 In a certain code language, 'let me speak' is coded as 'ko df ty' and 'speak the truth' is coded as 'df op np'. How is 'speak' coded in the given language?

(All codes are two-letter codes)

- Ans** ☐ A. ko
☐ B. op
☐ C. ty
☒ D. df

Q.61 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 1 5 1 9 7 2 9 5 8 2 4 6 5 6 2 7 8 3 5 9 1 4 7 5 6 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by a '5'?

- Ans**
- ☒ A. One
 - ☒ B. More than three
 - ☒ C. Two
 - ☒ D. Three

Q.62 Mr. Akai starts from Point A and drives 21 km towards south. He then takes a left turn, drives 25 km, turns left and drives 8 km. He then takes a left turn and drives 7 km. He then takes a left turn, drives 12 km, turns right and drives 5 km. He takes a final right turn, drives 25 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. 10 km to the east
 - ☒ B. 10 km to the south
 - ☒ C. 13 km to the west
 - ☒ D. 7 km to the east

Q.63 This question is based on the following words.

COP, TIK, ANY, CAN, OWN

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

- Ans**
- ☒ A. One
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. Four

Q.64 In a row of 40 people facing north, Rina is 8th from the right end. If Tara sits 6th to the left of Rina, what is Tara's position from the left end of the row?

- Ans**
- ☒ A. 28th
 - ☒ B. 27th
 - ☒ C. 26th
 - ☒ D. 25th

Q.65 What should come in place of the question mark (?) in the given series?

5 11 23 47 95 ?

- Ans**
- ☒ A. 191
 - ☒ B. 189
 - ☒ C. 193
 - ☒ D. 181

Q.66 Six people, A, B, C, D, E and F, are sitting in a row, facing north. F sits to the immediate left of A. C sits third to the left of D. C is an immediate neighbour of A. B sits to the immediate left of E. How many people sit between E and C?

- Ans**
- ☐ A. None
 - ☐ B. Two
 - ☐ C. Three
 - ☒ D. One

Q.67 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 letter-cluster pair 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. MG - QM
 - ☒ B. KH - OM
 - ☐ C. YJ - CP
 - ☐ D. LB - PH

Q.68 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GKN-QUX

XBE-HLO

- Ans**
- ☐ A. EHJ-OSV
 - ☒ B. EIL-OSV
 - ☐ C. EHJ-NRU
 - ☐ D. EIL-NSU

Q.69 A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the right of C. D sits to the immediate left of E. D is not an immediate neighbour of C. F sits to the immediate right of A. The position of how many persons will remain unchanged if all persons are arranged in the English alphabetical order in clockwise direction starting from A (including A)?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☒ C. Three
 - ☐ D. Two

Q.70 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 conclusion(s) logically follow(s) from the given statements.

Statements: All rocks are ships. Some ships are tables. All pots are tables.

Conclusion I: Some pots are rocks.

Conclusion II: Some pots are ships.

- Ans**
- ☐ A. Only Conclusion I follows
 - ☒ B. Neither Conclusion I nor II follows
 - ☐ C. Only Conclusion II follows
 - ☐ D. Both Conclusions I and II follow

Q.71 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YAB-FHI
KMN-RTU

- Ans**
- ☒ A. MNN-SUV
 - ☒ B. MNN-TVW
 - ☒ C. MOP-TVW
 - ☒ D. MOP-SVV

Q.72 Raman starts from Point A and drives 44 km towards the north. He then takes a left turn, drives 47 km, turns left and drives 53 km. He then takes a left turn and drives 62 km. He takes a final left turn, drives 9 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. 16 km to the east
 - ☒ B. 13 km to the west
 - ☒ C. 14 km to the west
 - ☒ D. 15 km to the west

Q.73 What should come in place of the question mark (?) in the given series?

24 30 25 29 26 ?

- Ans**
- ☒ A. 30
 - ☒ B. 27
 - ☒ C. 32
 - ☒ D. 28

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

PGE 18, TEI 26, XCM 34, BAQ 42, ?

- Ans**
- ☒ A. GYV 50
 - ☒ B. FCU 52
 - ☒ C. FCV 52
 - ☒ D. FYU 50

Q.75 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 1 7 8 5 5 6 1 1 4 2 9 2 3 8 9 5 9 1 5 3 7 8 8 3 2 5 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

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

Q.76 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GDS : LHV

QLY : VPB

- Ans ☒ A. GNL : KSP
☒ B. ATE : FXH
☒ C. HES : MHX
☒ D. TED : XHF

Q.77 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, 15, 5)

(7, 35, 5)

- Ans ☒ A. (5, 30, 5)
☒ B. (8, 40, 5)
☒ C. (9, 27, 9)
☒ D. (6, 24, 6)

Q.78 Seven friends, D, E, F, U, V, W and X, are sitting in a straight line, facing north. No one sits to the right of D. Only three people sit between D and F. Only two people sit between F and E. X sits third to the left of V. W sits to the immediate right of V. How many people sit between U and E?

- Ans ☒ A. One
☒ B. Three
☒ C. Two
☒ D. Four

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. TQK
☒ B. FCV
☒ C. ROI
☒ D. DAU

Q.80 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 B 4 D 18 A 9 C 12 = ?

- Ans ☒ A. 46
☒ B. 51
☒ C. 44
☒ D. 48

Q.81 Which of the following protected areas in Odisha is proposed to be upgraded to a National Park, thereby becoming the state's third national park as of September 2025?

- Ans**
- ☐ A. Bhitarkanika Wildlife Sanctuary
 - ☒ B. Debrigarh Wildlife Sanctuary
 - ☐ C. Sunabeda Wildlife Sanctuary
 - ☐ D. Satkosia Gorge Wildlife Sanctuary

Q.82 Which of the following honours, awarded in the 2025 King's Birthday Overseas & International Honours List, specifically recognises British nationals for "outstanding service abroad or internationally"?

- Ans**
- ☐ A. The King's Police Medal
 - ☒ B. The Order of St Michael and St George
 - ☐ C. The Royal Victorian Order
 - ☐ D. The Order of the British Empire

Q.83 Which shallow-water craft was commissioned into the Indian military in June 2025?

- Ans**
- ☐ A. INS Surat
 - ☒ B. INS Arnala
 - ☐ C. INS Vaghsheer
 - ☐ D. INS Nilgiri

Q.84 When did the Yonex-Sunrise All India Senior Ranking Badminton Tournament 2025 take place in Moinabad, Telangana?

- Ans**
- ☐ A. 20-27 May 2025
 - ☐ B. 1-8 May 2025
 - ☒ C. 8-15 May 2025
 - ☐ D. 25 April - 2 May 2025

Q.85 Which of the following organisations released a special postage stamp and a ₹100 commemorative coin during its centenary celebrations in October 2025?

- Ans**
- ☐ A. Bharatiya Mazdoor Sangh (BMS)
 - ☒ B. Rashtriya Swayamsevak Sangh (RSS)
 - ☐ C. Indian National Congress (INC)
 - ☐ D. All India Radio (AIR)

Q.86 What is the new daily limit for checking bank balances through a single UPI app as per the National Payments Corporation of India (NPCI) rules effective 1 August 2025?

- Ans**
- ☐ A. Unlimited
 - ☐ B. 75 times
 - ☒ C. 50 times
 - ☐ D. 25 times

Q.87 What type of ride are women riders allowed to choose under Chandigarh's 2025 aggregator rules?

- Ans**
- ☐ A. Shortest route only
 - ☐ B. Free rides for the first 5 km
 - ☐ C. Uber rides only
 - ☒ D. Women-only ride pools

Q.88 The Second China–Central Asia Summit, held on 16–18 June 2025, took place in:

- Ans**
- ☐ A. Tashkent, Uzbekistan
 - ☐ B. Urumqi, China
 - ☒ C. Astana, Kazakhstan
 - ☐ D. Bishkek, Kyrgyzstan

Q.89 Who scored the winning goal for Sunderland in the 2025 EFL Championship playoff final?

- Ans**
- ☐ A. Dan Neil
 - ☐ B. Jack Clarke
 - ☒ C. Tom Watson
 - ☐ D. Eliezer Mayenda

Q.90 Karad, which was recognised by the Ministry of Housing and Urban Affairs for achieving 100% segregation, collection, and processing of sanitary and biomedical waste in April 2025, is located in which of the following districts?

- Ans**
- ☐ A. Coimbatore district
 - ☐ B. Dehradun district
 - ☒ C. Satara district
 - ☐ D. Indore district

Q.91 According to the World Bank's 2025 assessment, how many people moved out of extreme poverty in India between 2011-12 and 2022-23?

- Ans**
- ☐ A. 300 million
 - ☒ B. 171 million
 - ☐ C. 220 million
 - ☐ D. 100 million

Q.92 How many entities were penalised by the Reserve Bank of India in FY25?

- Ans**
- ☐ A. 283
 - ☐ B. 500
 - ☐ C. 100
 - ☒ D. 353

Q.93 The Sachet App provides real-time alerts about which type of emergencies?

- Ans**
- ☐ A. Road traffic congestion
 - ☐ B. Cybersecurity breaches
 - ☒ C. Natural disasters
 - ☐ D. Banking frauds

Q.94 Gurindervir Singh broke the national record in which athletic game in the Indian Grand Prix 1?

- Ans**
- ☐ A. 400 m
 - ☐ B. Long jump
 - ☐ C. 200 m
 - ☒ D. 100 m

Q.95 Which Odisha sand-artist created a sand sculpture celebrating the 2025 Union Budget?

- Ans**
- ☐ A. Biranchi Narayan
 - ☐ B. Manas Kumar
 - ☒ C. Sudarsan Pattnaik
 - ☐ D. Sandip Pal

Q.96 Which summit held in New Delhi from 10 to 12 April 2025 had the theme "Sambhavna"?

- Ans**
- ☒ A. Global Technology Summit, 2025
 - ☐ B. Digital India Summit, 2025
 - ☐ C. India Internet Governance Forum, 2025
 - ☐ D. World Startup Summit, 2025

Q.97 Which club set a record for the most consecutive victories in men's soccer (34 in a row) by April 2025?

- Ans**
- ☐ A. Ajax
 - ☐ B. Manchester City
 - ☒ C. Al Hilal
 - ☐ D. Bayern Munich

Q.98 Where was the Global Fintech Fest (GFF) 2025 held?

- Ans**
- ☐ A. Bharat Mandapam, New Delhi
 - ☐ B. Vigyan Bhavan, New Delhi
 - ☐ C. Lulu International Convention Centre, Kochi
 - ☒ D. Jio World Convention Centre, Mumbai

Q.99 Who was awarded the Vigyan Ratna in 2024 for his contributions in the field of Biological Sciences?

- Ans**
- ☒ A. Prof. Govindarajan Padmanabhan
 - ☐ B. Dr. Avesh Kumar Tyagi
 - ☐ C. Prof. Jayant Bhalchandra Udgaonkar
 - ☐ D. Dr. Anandharamakrishnan

Q.100 What is the purpose of the Indian AI tool 'OncoMark' introduced by Indian researchers in November 2025?

- Ans**
- ☐ A. To create standard cancer treatment guidelines for hospitals and clinics
 - ☐ B. To maintain nationwide cancer patient data for government health records
 - ☒ C. To analyse cancer's molecular hallmarks for personalised diagnosis and therapy
 - ☐ D. To conduct public cancer awareness programmes through digital platforms



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Indraprastha Public School
Test Date	29/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Stars appear to twinkle in the night sky because ____.

- Ans
- ☒ A. Stars move rapidly in the sky
 - ☒ B. Light from stars undergoes atmospheric refraction
 - ☒ C. They change their brightness continuously
 - ☒ D. The distance between stars and Earth keeps varying

Q.2 The unicellular organism amoeba has a _____ shape.

- Ans
- ☒ A. fixed
 - ☒ B. star
 - ☒ C. sleeper
 - ☒ D. changing

Q.3 In uniform circular motion, the speed of the body:

- Ans
- ☒ A. becomes zero at every point
 - ☒ B. depends on the radius only
 - ☒ C. changes continuously
 - ☒ D. remains constant

Q.4 Bleaching powder is prepared by the reaction of:

- Ans
- ☒ A. calcium hydroxide with chlorine gas
 - ☒ B. calcium hydroxide with hydrochloric acid
 - ☒ C. calcium carbonate with chlorine gas
 - ☒ D. sodium hydroxide with chlorine gas

Q.5 What is the colour of copper oxide when it is added to the dilute sulphuric acid to forming a blue-green solution?

- Ans
- ☒ A. White
 - ☒ B. Grey
 - ☒ C. Black
 - ☒ D. Green

Q.6 Which of the following statements is/are true for a domestic circuit?

- (i) All the appliances are connected in parallel.
- (ii) The live wire in the domestic circuit has green insulation on it.
- (iii) A fuse connected to the circuit allows excessive current to pass through the appliances.
- (iv) The neutral wire in the domestic circuits has black insulation on it.

Ans ☒ A. Both (i) and (iv)

☒ B. Both (i) and (iii)

☒ C. Both (ii) and (iii)

☒ D. Both (ii) and (iv)

Q.7 At which location on the Earth's surface would a standard object experience the maximum acceleration due to gravity (g)?

Ans ☒ A. The Equator

☒ B. Tropic of Cancer

☒ C. Tropic of Capricorn

☒ D. The Poles

Q.8 Which description best defines cytoplasm?

Ans ☒ A. Rigid layer outside the plasma membrane providing support

☒ B. Genetic material present in the form of chromatin

☒ C. Fluid content inside the plasma membrane containing organelles

☒ D. Network of tubes involved in protein transport within the cell

Q.9 Which of the following is the characteristic property of a non-metal?

Ans ☒ A. Sonorous

☒ B. Ductility

☒ C. Poor conductor of electricity

☒ D. High melting point

Q.10 The stethoscope works on which principle?

Ans ☒ A. Refraction of sound

☒ B. Multiple reflection of sound

☒ C. Dispersion of sound

☒ D. Diffraction of sound

Q.11 What is the mass number of an element defined as?

Ans ☒ A. Number of protons

☒ B. Sum of the number of electrons and protons

☒ C. Sum of the number of protons and neutrons

☒ D. Number of neutrons

Q.12 If a cell lacks a functional Golgi complex, it would mainly fail in _____.

Ans ☒ A. protein synthesis only

☒ B. formation of ATP

☒ C. packaging and secretion

☒ D. controlling cell division

Q.13 According to Bohr's model, electromagnetic radiations possess dual character properties behaving like:

- Ans**
- ☒ A. waves and particles
 - ☐ B. waves and electrons
 - ☐ C. mass and magnetic effect
 - ☐ D. sound and waves

Q.14 For spherical mirrors of small apertures, the relation between the radius of curvature (R) and focal length (f) is:

- Ans**
- ☐ A. $R = f/2$
 - ☒ B. $R = 2f$
 - ☐ C. $R = f$
 - ☐ D. $R = 3f$

Q.15 Where is a reflex arc formed in the body?

- Ans**
- ☐ A. Hind brain
 - ☒ B. Spinal cord
 - ☐ C. Fore brain
 - ☐ D. Muscle

Q.16 Which of the following is the correct unit for measuring the work done by a force?

- Ans**
- ☐ A. Pascal
 - ☐ B. Coulomb
 - ☒ C. Joule
 - ☐ D. Newton

Q.17 Why do we spread cloths while putting them for drying in open sky?

- a. Increasing the surface area will increase the rate of evaporation
- b. Increase in wind speed will not allow the cloth to fly
- c. To remove wrinkles

- Ans**
- ☒ A. Only a
 - ☐ B. Only a and b
 - ☐ C. Only a and c
 - ☐ D. a, b and c

Q.18 The right-hand thumb rule is used to find which of the following?

- Ans**
- ☐ A. Magnitude of current
 - ☐ B. Direction of force on a current-carrying conductor
 - ☐ C. Resistance of the wire
 - ☒ D. Direction of magnetic field around a current-carrying conductor

Q.19 Why are climate-resistance hybrid crop varieties important for future farming?

- Ans**
- ☒ A. Hybrid crops are unaffected by unpredictable weather
 - ☐ B. Hybrid crops are easier to store
 - ☐ C. Hybrid crops reduce the role of farmers
 - ☐ D. Hybrid crops look more attractive

Q.20 Which of the following is a characteristic of the onset of puberty in boys?

- Ans**
- ☐ A. Growth of hairs on head
 - ☐ B. Growth of liver
 - ☒ C. Growth of a moustache
 - ☐ D. Growth of pineal gland

Q.21 Which of the following statements is true about an unbalanced force acting on an object?

- Ans**
- ☐ A. It keeps the object at rest.
 - ☒ B. It brings the object in motion.
 - ☐ C. It has no effect on the object's state of motion.
 - ☐ D. It always increases the mass of the object.

Q.22 What are the products formed when metal carbonates react with an acid?

- Ans**
- ☐ A. Water, carbon dioxide
 - ☐ B. Salt, water, carbon monoxide
 - ☐ C. Salt, carbon monoxide
 - ☒ D. Salt, water, carbon dioxide

Q.23 Select the correct statement for asexual reproduction in plants.

- Ans**
- ☒ A. It is found in both lower and higher plants.
 - ☐ B. It involves male and female flowers.
 - ☐ C. It involves formation of gametes.
 - ☐ D. It occurs rapidly during unfavourable conditions.

Q.24 Which of the following is an example of compound?

- Ans**
- ☐ A. Hydrogen
 - ☒ B. Sugar
 - ☐ C. Iron
 - ☐ D. Mercury

Q.25 Read the given assertion (A) and reason (R) and select the most appropriate option.

(A): The onset of puberty in females occurs earlier than in males, but both attain their final height by 18–20 years of age.

(R): Although puberty begins later in males, their growth spurt is more rapid than in females.

- Ans**
- ☐ A. Both (A) and (R) are true and (R) is the correct explanation of (A)
 - ☐ B. (A) is true but (R) is false
 - ☐ C. (A) is false but (R) is true
 - ☒ D. Both (A) and (R) are true but (R) is not the correct explanation of (A)

Section : Mathematics

Q.26 Three chairs and two tables together cost ₹600, two chairs and one table together cost ₹350. The cost of four chairs is:

- Ans**
- ☐ A. ₹100
 - ☒ B. ₹400
 - ☐ C. ₹200
 - ☐ D. ₹300

Q.27 ₹8,200 is divided among A, B and C in such a way that if ₹19, ₹9 and ₹13 are deducted from their respective shares, they have money in the ratio 12:19:10. Find the difference between B's and C's original shares.

- Ans**
- ☐ A. ₹1,841
 - ☐ B. ₹1,691
 - ☐ C. ₹1,641
 - ☒ D. ₹1,787

Q.28 Preeti, Qadir and Reena invest sum in the ratio 2 : 8 : 13, respectively. If they earned total profit of ₹87,193 at the end of year, then what is the positive difference between share of Preeti and Reena?

- Ans**
- ☐ A. ₹41,704
 - ☐ B. ₹41,702
 - ☒ C. ₹41,701
 - ☐ D. ₹41,703

Q.29 Two engines of trains 28 km apart start towards each other at speeds of 23 km/hr and 89 km/hr, respectively. After how much time will they meet each other? (Assume the length of engine is negligible)

- Ans**
- ☐ A. 17 minutes
 - ☐ B. 14 minutes
 - ☐ C. 13 minutes
 - ☒ D. 15 minutes

Q.30 Sangeeta observes the top of a chimney at an angle of elevation of 45° . She is standing 28.7 metres away from the base of the chimney, and her eye level is 1.3 metres above the ground. What is the total height (in metres) of the chimney?

- Ans**
- ☐ A. 28.7
 - ☐ B. 60
 - ☒ C. 30
 - ☐ D. 27.4

Q.31 If the listed price of a bag is 85% more than its cost price and a discount of 49% is announced on it, then find the loss percentage.

- Ans**
- ☒ A. 5.65%
 - ☐ B. 5.42%
 - ☐ C. 9.12%
 - ☐ D. 9.31%

Q.32 The number of prime numbers lying between 415 and 428 is:

- Ans**
- ☒ A. 2
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 7

Q.33 If $5^{(x-y)} = 125$ and $5^{(x+y)} = 3125$, find x.

- Ans**
- ☐ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☒ D. 4

Q.34 The sum of two numbers is 54 and their LCM is 195. The two numbers are:

- Ans**
- ☐ A. 32, 22
 - ☐ B. 37, 17
 - ☐ C. 44, 10
 - ☒ D. 39, 15

Q.35 A seasoned marathoner, known for his steady pace, usually runs the first half of a race at 8 km/hr and the second half at 6 km/hr. However, due to fatigue and other factors, his overall speed drops by 30%. How long will it take him to complete a 120 km marathon under these reduced-speed conditions?

- Ans ☒ A. 17.5 hours
☒ B. 25 hours
☒ C. 12.5 hours
☒ D. 15 hours

Q.36 Priya buys a mobile phone for her child. The phone is marked at ₹34,400 and is offered with two successive discounts of 13% and 2%, respectively. After receiving both discounts, she pays ₹22,446. Find the value of Z.

- Ans ☒ A. 25
☒ B. 26
☒ C. 23
☒ D. 24

Q.37 If $a - b = 9$ and $ab = 20$, find the value of $a^2 + b^2$.

- Ans ☒ A. 127
☒ B. 121
☒ C. 133
☒ D. 115

Q.38 The amount on a sum of ₹5,000 at 20% per annum compound interest, compounded annually, in 2 years, will be:

- Ans ☒ A. ₹7,760
☒ B. ₹7,247
☒ C. ₹7,200
☒ D. ₹6,563

Q.39 $\frac{1}{30}$ is what percentage of $\frac{2}{30}$?

- Ans ☒ A. 50%
☒ B. 65%
☒ C. 60%
☒ D. 100%

Q.40 The radius of a ball of iron is 1.5 cm. Three smaller balls are formed with radii of 1.0 cm, 1.0 cm, and 1.0 cm, find the diameter of the third ball.

- Ans ☒ A. 2.1 cm
☒ B. 2.2 cm
☒ C. 2.3 cm
☒ D. 2.5 cm

Q.41 The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 3% and savings increase by 21.5%, then by what percentage does her income increase?

- Ans ☒ A. 4%
☒ B. 3%
☒ C. 6%
☒ D. 1%

Q.42 The volume of a rectangular block of wood is $10,368 \text{ cm}^3$. Its length, breadth and height are in the ratio of 3 : 2 : 1. If its entire surface is polished at ₹2/cm², then find the total cost of polishing.

- Ans**
- ☒ A. ₹6,336
 - ☐ B. ₹6,356
 - ☐ C. ₹7,135
 - ☐ D. ₹6,436

Q.43 Ravi bought a watch for ₹4,800, spent ₹200 on its repair, and sold it for ₹6,000. What is his profit percentage?

- Ans**
- ☐ A. 25%
 - ☐ B. 22%
 - ☒ C. 20%
 - ☐ D. 27%

Q.44 Seven years ago from now, a man was five times as old as his son. Seven years from now, the father will be three times as old as his son. Find the son's present age.

- Ans**
- ☐ A. 38 years
 - ☐ B. 26 years
 - ☐ C. 31 years
 - ☒ D. 21 years

Q.45 In a quadrilateral QRST, $\angle Q = 74^\circ$ and $\angle R = 39^\circ$. The bisectors of $\angle S$ and $\angle T$ meet at E. What is the measure of $\angle TES$?

- Ans**
- ☒ A. 56.5°
 - ☐ B. 43°
 - ☐ C. 61.5°
 - ☐ D. 47°

Q.46 A, B and C can do a piece of work in 3, 3 and 3 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☒ A. 2
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 4

Q.47 For 15 innings, a cricketer has an average of 94 runs. In the 16th inning, he scores 111 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- Ans**
- ☐ A. 10
 - ☐ B. 7
 - ☒ C. 1
 - ☐ D. 2

Q.48 In an election with two candidates, Candidate A received 75% of the total valid votes. If 10% of the total 14,000 votes were declared invalid, how many valid votes did Candidate B receive?

- Ans**
- ☐ A. 4450
 - ☒ B. 3150
 - ☐ C. 3750
 - ☐ D. 3500

Q.49 A, B and C together can complete a piece of work in 12 days, while A alone can complete it in 20 days and C alone can complete it in 36 days. In how many days can B alone complete the work?

- Ans**
- ☐ A. 120 days
 - ☐ B. 60 days
 - ☐ C. 150 days
 - ☒ D. 180 days

Q.50 The mode of the observations 21, 32, 34, 34, 34, 20, 32, 24, 34, 34, 20, 25, 29, 26 and 20 is:

- Ans**
- ☒ A. 34
 - ☐ B. 21
 - ☐ C. 20
 - ☐ D. 32

Section : General Intelligence and Reasoning

Q.51 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is N related to T if 'C % T # E + P × N'?

- Ans**
- ☒ A. Sister's husband
 - ☐ B. Wife's sister
 - ☐ C. Wife's mother
 - ☐ D. Daughter's husband

Q.52 In a row of 50 people facing north, Rahul is 15th from the left end. If Sumit sits 4th to the right of Rahul, what is Sumit's position from the right end of the row?

- Ans**
- ☒ A. 32nd
 - ☐ B. 30th
 - ☐ C. 31st
 - ☐ D. 33rd

Q.53 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DSV : HVX
LYZ : PBB

- Ans**
- ☐ A. UPG : YRK
 - ☐ B. KSP : OXT
 - ☒ C. TED : XHF
 - ☐ D. VPB : ATE

Q.54 In a row of 54 people facing north, Geeta sits 19th from the left end. If only 19 people sit between Barun and Geeta, then what is Barun's position from the right end of the line?

- Ans**
- ☐ A. 18th
 - ☒ B. 16th
 - ☐ C. 17th
 - ☐ D. 19th

Q.55 LPBF is related to EIUY in a certain way based on the English alphabetical order. In the same way, JNZD is related to CGSW. To which of the given options is OSEI related, following the same logic?

- Ans**
- ☒ A. HLXB
 - ☐ B. HLBX
 - ☐ C. HBXL
 - ☐ D. HBGF

Q.56 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:

All markers are pens.

All markers are sketches.

All markers are chalks.

Conclusions:

(I): All pens are chalks.

(II): Some chalks are sketches.

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

Q.57 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RUS 36 PSQ 40 NQO 44 LOM 48 ?

- Ans**
- ☒ A. JMK 52
 - ☐ B. JLO 51
 - ☐ C. JNJ 52
 - ☐ D. JLJ 51

Q.58 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FLO DJM BHK ZFI ?

- Ans**
- ☐ A. XGD
 - ☐ B. DGX
 - ☒ C. XDG
 - ☐ D. DXG

Q.59 Balram starts from Point A and drives 15 km towards south. He then takes a left turn, drives 12 km, turns left and drives 16 km. He then takes a left turn and drives 13 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. 1 km to the east
 - ☐ B. 4 km to the east
 - ☐ C. 3 km to the east
 - ☐ D. 2 km to the east

Q.60 Refer to the given series and answer the question that follows. All numbers are single-digit number only. Counting to be done from left to right,

(Left) 4 7 1 5 9 2 6 3 8 4 7 1 9 5 2 6 8 3 7 9 1 5 2 6 8 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☐ A. Five
 - ☐ B. Four
 - ☒ C. Three
 - ☐ D. Two

Q.61 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 2, 9)

(18, 7, 14)

- Ans**
- ☐ A. (21, 9, 20)
 - ☐ B. (19, 7, 16)
 - ☒ C. (23, 12, 19)
 - ☐ D. (27, 39, 47)

Q.62 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?

132 A 11 C 5 B 4 D 8 = ?

- Ans**
- ☒ A. 24
 - ☐ B. 32
 - ☐ C. 40
 - ☐ D. 50

Q.63 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. UPI
 - ☐ B. DYR
 - ☒ C. AWO
 - ☐ D. VQJ

Q.64 A, B, C, D, E and F are sitting around a circular table, facing the centre. A and D are immediate neighbours of C. E is to the immediate left of D. A and F are not immediate neighbours. Who sits third to the right of A?

- Ans**
- ☐ A. B
 - ☒ B. E
 - ☐ C. D
 - ☐ D. F

Q.65 If 2 is added to each even digit and 2 is added to each odd digit in the number 6345127, what will be the sum of the last two and first two digits in the new number thus formed?

- Ans** ☐ A. 22
☐ B. 28
☐ C. 24
☒ D. 26

Q.66 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 7 4 3 6 9 3 6 4 5 7 4 5 2 3 8 4 1 5 2 3 7 1 2 5 7 9 8 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☐ A. 3
☒ B. 2
☐ C. 4
☐ D. 1

Q.67 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 7 4 8 3 9 6 5 2 3 9 1 4 2 (Right)

How many such even numbers are there, each of which is immediately preceded by a perfect square and immediately followed by an odd number?
(NOTE: 1 is also a perfect square.)

- Ans** ☐ A. Two
☐ B. One
☒ C. More than three
☐ D. Three

Q.68 What should come in place of the question mark (?) in the given series?

11, 36, 72, 121, 185, ?

- Ans** ☐ A. 267
☐ B. 265
☐ C. 268
☒ D. 266

Q.69 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$13 - 54 \times 9 \div 7 + 32 = ?$

- Ans** ☐ A. 22
☐ B. 24
☒ C. 23
☐ D. 26

Q.70 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

RQF : VTD
SLS : WOQ

- Ans**
- ☒ A. RCT : VFQ
 - ☒ B. UFY : YIV
 - ☒ C. OCN : SEL
 - ☒ D. PLR : TOP

Q.71 What should come in place of the question mark (?) in the given series?

116 91 69 50 34 ?

- Ans**
- ☒ A. 17
 - ☒ B. 19
 - ☒ C. 23
 - ☒ D. 21

Q.72 In a certain code language, 'drink fruit juice' is coded as 'if tg sd' and 'bring some fruit' is coded as 'if td za'. How is 'fruit' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☒ A. if
 - ☒ B. td
 - ☒ C. tg
 - ☒ D. za

Q.73 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:

All geysers are fans.

No fan is a refrigerator.

Conclusions:

(I): No geyser is a refrigerator.

(II): Some refrigerators are fans.

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

Q.74 This question is based on the five, three-digit numbers given below.

(Left) 515 758 761 726 579 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7) (NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 6
 - ☒ B. 7
 - ☒ C. 13
 - ☒ D. 9

Q.75 In a certain code language, 'book news leaf' is coded as 'rk qh aa' and 'leaf gum boat' is coded as 'vf rk xl'. How is 'leaf' coded in that language?

- Ans** ☒ A. rk
☐ B. aa
☐ C. vf
☐ D. qh

Q.76 What should come in place of the question mark (?) in the given series?

7 12 18 23 ? 34

- Ans** ☒ A. 29
☐ B. 32
☐ C. 28
☐ D. 30

Q.77 Six people, A, B, C, D, E and F are sitting in a row, facing north. D sits to the immediate left of B. C sits third to the left of B. E is an immediate neighbour of B. F sits to the immediate right of C. E sits to the immediate left of A. Who sits at the extreme right end of the line?

- Ans** ☐ A. B
☐ B. F
☐ C. E
☒ D. A

Q.78 Hanvi starts from Point L and drives 10 km towards the north. She then takes a right turn, drives 15 km, turns right and drives 17 km. She then takes a right turn and drives 15 km. She takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point L again?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☒ A. 5 km towards north
☐ B. 6 km towards south
☐ C. 2 km towards east
☐ D. 5 km towards south

Q.79 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 letter-cluster pair 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. AY-YZ
☐ B. WU-VT
☐ C. FD-EC
☐ D. KI-JH

Q.80 Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line facing north. Only three people sit to the left of M. Only two people sit between M and L. Only three people sit between S and N. S sits to the immediate left of L. O sits at some place to the left of R but at some place to the right of Q. How many people sit between Q and R?

- Ans** ☐ A. One
☒ B. Three
☐ C. Two
☐ D. Four

Section : General Awareness and Current Affairs

Q.81 Which athlete set a pole vault world record with a clearance of 6.28 m in Wanda Diamond League meeting in Stockholm (June 2025)?

- Ans**
- ☐ A. Renaud Lavillenie
 - ☒ B. Armand Duplantis
 - ☐ C. Sam Kendricks
 - ☐ D. Thiago Braz

Q.82 What was the theme for World Environment Day (5 June 2025)?

- Ans**
- ☐ A. End Deforestation
 - ☒ B. Beat Plastic Pollution
 - ☐ C. Save the Oceans
 - ☐ D. Clean Air Now

Q.83 Where is the Nomadic Elephant 2025 exercise held?

- Ans**
- ☐ A. Thimphu
 - ☐ B. Kathmandu
 - ☐ C. New Delhi
 - ☒ D. Ulaanbaatar

Q.84 Which body emphasised safety audits for women in public spaces during a symposium in June 2025?

- Ans**
- ☒ A. National Human Rights Commission
 - ☐ B. National Commission for Women
 - ☐ C. Supreme Court of India
 - ☐ D. Ministry of Home Affairs

Q.85 As reported in May 2025, which of the following banks of India provided in-principle approval to PayPal and Worldline to operate as cross-border payment aggregators in India?

- Ans**
- ☐ A. Indian Bank
 - ☒ B. Reserve Bank of India
 - ☐ C. Bandhan Bank
 - ☐ D. State Bank of India

Q.86 Researchers from which institutions discovered a new prion called SNG2 in January 2025?

- Ans**
- ☐ A. IIT - Delhi and AIIMS - Delhi
 - ☒ B. Amity University - Mohali and Institute of Microbial Technology - Chandigarh
 - ☐ C. Delhi University and Council of Scientific & Industrial Research - Delhi
 - ☐ D. IISc - Bengaluru and NIPER - Mohali

Q.87 Who became the fastest cricketer to reach 13,000 test runs as of June 2025?

- Ans**
- ☒ A. Joe Root
 - ☐ B. Rohit Sharma
 - ☐ C. Virat Kohli
 - ☐ D. Jacques Kallis

Q.88 On 8–9 November 2025, the Ministry of Home Affairs and the National Judicial Academy hosted a national conference in Bhopal focusing on which area?

- Ans**
- ☐ A. Labour Codes
 - ☒ B. New Criminal Laws
 - ☐ C. Environmental Laws
 - ☐ D. Cybersecurity Regulations

Q.89 At the 2025 Janusz Kusociński Memorial held in Poland, what rank did Neeraj Chopra achieve?

- Ans**
- ☒ A. Second place
 - ☐ B. First place
 - ☐ C. Third place
 - ☐ D. Fourth place

Q.90 According to the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, released by the Ministry of Statistics and Programme Implementation, what was the forest cover in India as a percentage of its total geographical area in 2023?

- Ans**
- ☒ A. 21.76%
 - ☐ B. 23.56%
 - ☐ C. 22.74%
 - ☐ D. 19.79%

Q.91 What proportion of women's participation in police recruitment has been mandated under the Uttar Pradesh government's women empowerment policy, Mission Shakti 5.0, launched in September 2025?

- Ans**
- ☐ A. 15%
 - ☒ B. 20%
 - ☐ C. 10%
 - ☐ D. 25%

Q.92 In August 2025, which test marked the successful end-to-end demonstration of the parachute-based deceleration system for the Gaganyaan crew module by ISRO?

- Ans**
- ☐ A. Pad Abort Test (PAT-02)
 - ☒ B. Integrated Air Drop Test (IADT-01)
 - ☐ C. Crew Escape System Test (CES-01)
 - ☐ D. Crew Module Landing Test (CMLT-03)

Q.93 Which Indian official chaired the Standing Committee of the National Board for Wildlife (SC-NBWL) meetings, recommending the revision of blanket 10-km ESZ guidelines in mid-2025?

- Ans**
- ☐ A. Minister of Finance
 - ☐ B. Chief Justice of India
 - ☐ C. Minister of Agriculture
 - ☒ D. Minister of Environment

Q.94 Which Indian economist was awarded the Padma Vibhushan in 2025?

- Ans**
- ☐ A. Arvind Subramanian
 - ☒ B. Bibek Debroy
 - ☐ C. Jean Drèze
 - ☐ D. Jagdish Bhagwati

Q.95 What maximum sustained wind speed range was forecast for Cyclone Montha before landfall in October 2025?

- Ans**
- ☐ A. 140-150 km/h
 - ☐ B. 60-70 km/h
 - ☐ C. 120-130 km/h
 - ☒ D. 90-100 km/h

Q.96 Who was appointed as the youngest US Ryder Cup captain since 1963?

- Ans**
- ☐ A. Dustin Johnson
 - ☐ B. Phil Mickelson
 - ☒ C. Keegan Bradley
 - ☐ D. Tiger Woods

Q.97 Published in May 2025, Pavan K Varma's Echoes of Eternity explores themes from which of the following?

- Ans**
- ☐ A. Political satire
 - ☒ B. Indian thought from Rigveda onward
 - ☐ C. Fictional mythology
 - ☐ D. Indian economy

Q.98 When did the Reserve Bank of India make its first repo rate cut since May 2020?

- Ans**
- ☐ A. December 2024
 - ☐ B. June 2025
 - ☒ C. February 2025
 - ☐ D. April 2025

Q.99 Which SAI venue in Chennai was scheduled to host the Athletics selection trials on 1 February 2025?

- Ans**
- ☒ A. Jawaharlal Nehru Stadium
 - ☐ B. Velachery Grounds
 - ☐ C. SDAT Nehru Park
 - ☐ D. Anna University

Q.100 In the November 2025 bye-elections, which of the following political parties won the bye-election from Nagrota (Jammu & Kashmir)?

- Ans**
- ☐ A. Aam Aadmi Party (AAP)
 - ☐ B. People's Democratic Party (PDP)
 - ☒ C. Bharatiya Janata Party (BJP)
 - ☐ D. Indian National Congress (INC)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Tirunelveli
Test Date	29/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 If an object is placed at the centre of curvature of a concave mirror, the image formed will be:

Ans ☒ A. at the centre of curvature itself, real and of the same size

☐ B. at infinity, virtual and magnified

☐ C. between focus and pole, virtual and erect

☐ D. at the focus, real and diminished

Q.2 Which of the following statements is true?

Ans ☐ A. The magnetic field inside a solenoid carrying current does not depend on the strength of the current.

☐ B. On increasing the resistance of the wire, the strength of the magnetic field in a solenoid increases.

☒ C. On increasing the number of turns per unit length in a solenoid, the strength of the magnetic field in the solenoid increases.

☐ D. The magnetic field lines inside a solenoid are circular.

Q.3 Which of the following statements are correct for benzene?

a. It is a six-membered cyclic carbon compound.

b. It has three single and three double bonds.

c. The molecular formula is C_6H_{14} .

Ans ☐ A. Only a and c

☒ B. Only a and b

☐ C. Only b and c

☐ D. a, b and c

Q.4 When applying the sign conventions for spherical lenses to measure object and image distances, where are all measurements taken from?

Ans ☐ A. The centre of curvature

☒ B. The optical centre of the lens

☐ C. The pole of the lens

☐ D. The principal focus

Q.5 Which of these processes begins after pollen lands on the stigma of a flower?

- Ans**
- ☐ A. It develops into a seed directly.
 - ☐ B. The leaves begin photosynthesis immediately.
 - ☒ C. A pollen tube grows through the style to reach the ovary.
 - ☐ D. The petals open wider.

Q.6 A science teacher asks students to measure the current through a bulb using an ammeter. What precaution must the students follow?

- Ans**
- ☐ A. Connect the ammeter without a battery
 - ☒ B. Connect the ammeter in series with correct polarity
 - ☐ C. Connect the ammeter in parallel with the bulb
 - ☐ D. Connect the ammeter with reversed polarity

Q.7 Which of the following is a pure substance consisting of only one type of atom?

- Ans**
- ☒ A. Sodium
 - ☐ B. Air
 - ☐ C. Water
 - ☐ D. Milk

Q.8 What does the Law of Conservation of Mass state?

- Ans**
- ☒ A. Mass remains unchanged in reactions
 - ☐ B. Energy can be converted into mass
 - ☐ C. Mass of reactants is always lost
 - ☐ D. Mass of products is always greater

Q.9 Which is the main transport system in animals?

- Ans**
- ☐ A. Nervous system
 - ☐ B. Muscular system
 - ☐ C. Respiratory system
 - ☒ D. Circulatory system

Q.10 A small amount of copper oxide taken in a beaker and dilute hydrochloric acid is added to it slowly while stirring, results in:

- Ans**
- ☒ A. formation of bluish-green colour solution of copper chloride
 - ☐ B. formation of reddish-brown colour solution of copper chloride
 - ☐ C. formation of reddish-brown colour solution of copper sulphate
 - ☐ D. formation of reddish-brown colour solution of cupric chloride

Q.11 Which of the following statements best describes autotrophic nutrition?

- Ans**
- ☐ A. It depends entirely on consuming other living organisms for food.
 - ☐ B. It involves direct absorption of organic compounds from other organisms.
 - ☐ C. It requires digestion of complex substances outside the body.
 - ☒ D. It involves making food using carbon dioxide and water in the presence of sunlight.

Q.12 When is the work done by a force considered negative?

- Ans**
- ☐ A. When the force acts in the same direction as displacement
 - ☒ B. When the force acts opposite to the direction of displacement
 - ☐ C. When there is no displacement
 - ☐ D. When the force is zero

Q.13 Which of the following statements is correct about the definition of complex permanent tissues?

- Ans
- ☐ A. Complex permanent tissues are made up of similar type of cells.
 - ☒ B. Complex permanent tissues are made up of different types of cells performing different tasks.
 - ☐ C. Complex permanent tissues are made up of different types of cells performing similar tasks.
 - ☐ D. Complex permanent tissues are made of simple permanent tissues.

Q.14 Momentum (p) is a vector quantity. That means, momentum has both _____.

- Ans
- ☐ A. force and acceleration
 - ☐ B. mass and velocity
 - ☒ C. magnitude and direction
 - ☐ D. speed and time

Q.15 When is a neutral salt formed?

- Ans
- ☐ A. When acid reacts with metal
 - ☐ B. When strong acid reacts with weak base
 - ☒ C. When strong acid reacts with strong base
 - ☐ D. When weak acid reacts with strong base

Q.16 Which method is used to purify metals like Zinc and Copper?

- Ans
- ☐ A. Roasting
 - ☐ B. Smelting
 - ☒ C. Electrolytic refining
 - ☐ D. Alloying

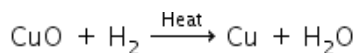
Q.17 Which of the following represents non-uniform linear velocity?

- Ans
- ☒ A. A train starting from rest
 - ☐ B. A car moving at constant speed
 - ☐ C. A body moving in a straight line at fixed speed
 - ☐ D. A ball rolling at uniform rate

Q.18 What is the IUPAC rule for writing element symbols?

- Ans
- ☒ A. First letter uppercase, second lowercase (in case of two letters)
 - ☐ B. Symbols written in numeric codes
 - ☐ C. Two lowercase letters always used (in case of two letters)
 - ☐ D. Both letters always in uppercase form (in case of two letters)

Q.19 Which of the following species is reduced in the given reaction?



- Ans
- ☐ A. O
 - ☒ B. Cu
 - ☐ C. H₂O
 - ☐ D. H₂

Q.20 For a given wave, if the speed becomes three times and the wavelength becomes three times, the frequency ____.

- Ans
- ☐ A. becomes one-third
 - ☒ B. remains the same
 - ☐ C. becomes nine times
 - ☐ D. becomes three times

Q.21 Which of the following correctly matches a floral part with its primary biological function in reproduction?

- Ans ☐ A. Sepals – development of ovules
☒ B. Stamens – production of pollen grains
☐ C. Pistil – attraction of pollinators
☐ D. Petals – production of female gametes

Q.22 Which of the following is a key feature of offsprings produced through vegetative propagation?

- Ans ☐ A. They always grow slower than seed-grown plants.
☐ B. They are genetically diverse from the parent plant.
☐ C. They require fertilisation to develop.
☒ D. They are genetically identical to the parent plant.

Q.23 Which of the following methods will NOT help in the management of garbage and other wastes produced by humans?

- Ans ☒ A. Landfilling plastics in soil
☐ B. Vermicomposting
☐ C. Treating wastes before release
☐ D. Following 3R's (Reduce, Reuse, Recycle)

Q.24 In India, cows are classified under which scientific species name?

- Ans ☐ A. *Bos bubalis*
☒ B. *Bos indicus*
☐ C. *Bos taurus*
☐ D. *Bubalus bubalis*

Q.25 Which of the following is NOT an application of Archimedes' Principle?

- Ans ☐ A. Submarine floating and diving
☒ B. Measuring electrical resistance of a wire
☐ C. Determining the density of an irregular solid
☐ D. Calculating buoyant force on a body in fluid

Section : Mathematics

Q.26 The ratio of three numbers is 12:14:4. If 25% of the first number is 18, then what would 30% of the difference between the third and second numbers be?

- Ans ☐ A. 19
☒ B. 18
☐ C. 16
☐ D. 17

Q.27 The volume (in m³) of a cube with edges of 31 m is:

- Ans ☐ A. 29898
☒ B. 29791
☐ C. 29959
☐ D. 29595

Q.28 $\frac{1}{30}$ is what percentage of $\frac{2}{20}$ (rounded off to two decimal places)?

- Ans ☐ A. 48.33%
☐ B. 66.67%
☒ C. 33.33%
☐ D. 43.33%

Q.29 The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 9, respectively, and each of them saves ₹51,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Chetan(in ₹).

- Ans ☐ A. 86,000
☐ B. 84,000
☒ C. 85,000
☐ D. 1,19,000

Q.30 The ratio of the ages of a wife and husband is 6 : 7 at present. If the sum of their ages after 20 years from now is 92, then find their present ages (in years), respectively.

- Ans ☐ A. 30, 42
☒ B. 24, 28
☐ C. 18, 21
☐ D. 42, 49

Q.31 A metallic sphere of unknown radius is melted and recast into 64 smaller spherical balls. During the recasting process, 20% of the total metal is lost as waste. If the total volume of the 64 smaller spheres after the loss is $10,752 \text{ cm}^3$, determine the radius (rounded off to the nearest integer) of the original sphere. (Use $\pi = 3.14$)

- Ans ☒ A. 15 cm
☐ B. 16 cm
☐ C. 14 cm
☐ D. 17 cm

Q.32 What is the mode of the following data?

53, 53, 40, 49, 50, 48, 53, 50, 41, 40, 53, 45, 40, 47, 43, 52, 51, 42, 51, 53

- Ans ☐ A. 49
☒ B. 53
☐ C. 40
☐ D. 50

Q.33 A shopkeeper sells 10 identical watches for ₹10,500, which is the cost price of 8 watches. Find his loss percentage.

- Ans ☒ A. 20%
☐ B. 30%
☐ C. 10%
☐ D. 40%

Q.34 If the HCF of three numbers is 23 and they are in the ratio 1:2:3, then

- Ans ☒ A. 23, 46, 69
☐ B. 13, 46, 92
☐ C. 23, 56, 59
☐ D. 23, 46, 92

Q.35 Simplify: $86 - (-16) \times (-8 - 20 - 18) \div [1 \times \{10 + (-2) \times (-3)\}]$

- Ans ☒ A. 40
☐ B. 31
☐ C. 46
☐ D. 42

Q.36 A tower stands vertically on the ground. From a point on the ground which is 29.6 m away from the foot of the tower, the angle of elevation of the top of the tower is found to be 45° . Find the height of the tower.

- Ans ☐ A. 23.6 m
☒ B. 29.6 m
☐ C. 25.6 m
☐ D. 27.6 m

Q.37 The price of fuel decreases by 15%, 30% and 60% in three successive months, but increases by 60% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans ☐ A. Decreases by 67.07%
☐ B. Increases by 58.55%
☐ C. Increases by 66.82%
☒ D. Decreases by 61.92%

Q.38 The mean and the mode of a set of data are 20 and 88.7, respectively. Find the median of the data, using the empirical formula.

- Ans ☐ A. 43.1
☒ B. 42.9
☐ C. 42.5
☐ D. 44.5

Q.39 Two trains, Train A and Train B, are traveling towards each other on parallel tracks. Train A is 150 meters long and moves at a speed of 72 km/h. Train B is 100 meters long and moves at a speed of 54 km/h. How much time (rounded off to two decimal places) will it take for Train A to completely pass Train B?

- Ans ☒ A. 7.14 seconds
☐ B. 10.14 seconds
☐ C. 9.14 seconds
☐ D. 6.14 seconds

Q.40 Sunita, Javed, and Rani invest ₹13,90,000, ₹4,70,000, and ₹15,40,000, respectively, to start a business. If the profit at the end of the year is ₹4,50,500, then what is the share of Rani in the profit?

- Ans ☒ A. ₹2,04,050
☐ B. ₹2,04,048
☐ C. ₹2,04,052
☐ D. ₹2,04,053

Q.41 In a quadrilateral EFGH, $\angle E = 52^\circ$ and $\angle F = 37^\circ$. The bisectors of $\angle G$ and $\angle H$ meet at X. What is the measure of $\angle HXG$?

- Ans**
- ☒ A. 44.5°
 - ☐ B. 37°
 - ☐ C. 49°
 - ☐ D. 48.5°

Q.42 If A6B59 is exactly divisible by 9, then find the least possible value of $(A^2 + 2B)$.

- Ans**
- ☒ A. 13
 - ☐ B. 21
 - ☐ C. 19
 - ☐ D. 14

Q.43 P and Q together can fill a cistern with water in 15 hours. If P alone can fill the cistern with water in 40 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☒ A. 6
 - ☐ B. 7
 - ☐ C. 12
 - ☐ D. 13

Q.44 The distance between points A and B is 663 km. Amit travels from A to B at 131 km/hr and returns at 24 km/hr. Calculate his average speed for the entire journey (rounded off to two decimal places).

- Ans**
- ☐ A. 46.18 km/hr
 - ☒ B. 40.57 km/hr
 - ☐ C. 43.79 km/hr
 - ☐ D. 39.54 km/hr

Q.45 The sum of two numbers is 74 and their difference is 12. Find the product of the two numbers.

- Ans**
- ☒ A. 1333
 - ☐ B. 1533
 - ☐ C. 1433
 - ☐ D. 1233

Q.46 The cost price of a dress is ₹1,600. The shopkeeper makes a profit of 20% on selling it. If he offers a discount of 25% at the time of sale, find the marked price (in ₹).

- Ans**
- ☐ A. 2,050
 - ☐ B. 2,380
 - ☐ C. 1,920
 - ☒ D. 2,560

Q.47 An agent sells a turbo cooker with a marked price of ₹6,370 at a discount of 50%. What is the selling price (in ₹) of the turbo cooker?

- Ans**
- ☐ A. 3,158
 - ☐ B. 2,549
 - ☒ C. 3,185
 - ☐ D. 2,548

Q.48 Two pipes, F and M, can fill a cistern in 25 minutes and 30 minutes, respectively. If both pipes are opened together, after how many minutes should pipe F be closed so that the cistern is completely filled in 15 minutes?

- Ans** ☒ A. 12 min
☒ B. 12.5 min
☒ C. 10 min
☒ D. 15 min

Q.49 The value of $\frac{(a^2 - b^2)^3 + (b^2 - c^2)^3 + (c^2 - a^2)^3}{(a - b)^3 + (b - c)^3 + (c - a)^3}$ is:

- Ans** ☒ A. $(a + b)(b + c)(c + a)$
☒ B. $(a - b)(b - c)(c - a)$
☒ C. $2(a - b)(b - c)(c - a)$
☒ D. $3abc$

Q.50 The amount on a sum of ₹5,200 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☒ A. ₹7,105
☒ B. ₹6,916
☒ C. ₹7,472
☒ D. ₹7,488

Section : General Intelligence and Reasoning

Q.51 Seven boxes, D, E, F, U, V, W and X, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below W. Only two boxes are kept between W and U. Only one box is kept between U and E. X is kept immediately above V. F is kept at some place below D. How many boxes are kept between D and X?

- Ans** ☒ A. One
☒ B. Four
☒ C. Two
☒ D. Three

Q.52 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

DL - IQ - NV
FN - KS - PX

- Ans** ☒ A. UW - YZ - SU
☒ B. PL - RN - TP
☒ C. RM - QT - PR
☒ D. BJ - GO - LT

Q.53 What should come in place of the question mark (?) in the given series?

120 135 155 180 210 ?

- Ans** ☒ A. 230
☒ B. 233
☒ C. 240
☒ D. 245

Q.54 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

REN VBR ZYV DVZ ?

- Ans**
- ☒ A. IRC
 - ☒ B. GTE
 - ☒ C. GSC
 - ☒ D. HSD

Q.55 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. SWYC
 - ☒ B. INOS
 - ☒ C. VZBF
 - ☒ D. HLNK

Q.56 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XBF 84 IMQ 92 TXB 100 EIM 108 ?

- Ans**
- ☒ A. PRU 115
 - ☒ B. PTX 116
 - ☒ C. PSW 115
 - ☒ D. PUW 116

Q.57 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$45 - 54 \times 6 + 12 \div 1 = ?$$

- Ans**
- ☒ A. 40
 - ☒ B. 46
 - ☒ C. 44
 - ☒ D. 42

Q.58 Seven friends D, E, F, U, V, W and X are sitting in a straight line facing the north. Only three people are seated to the left of D. Only E is seated to the right of W. Only three people are seated between W and X. V is seated at some place to the left of U but at some place to the right of F. How many people are seated between F and U?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.59 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DBC-YWX
KIJ-FDE

- Ans**
- ☒ A. ROO-LJK
 - ☒ B. RPQ-LKK
 - ☒ C. ROO-MKL
 - ☒ D. RPQ-MKL

Q.60 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

UIR : WDP

FRO : HMM

- Ans ☒ A. KIT : MCR
☒ B. CPP : EKN
☒ C. LJQ : NEN
☒ D. GHJ : ICG

Q.61 Seven boxes A, B, C, D, P, Q and R are kept one over the other but not necessarily in the same order. D is kept immediately above Q. R is kept immediately above C. Only P is kept above A. Only two boxes are kept above D. R is not kept at third position from the bottom.

How many boxes are kept between B and P?

- Ans ☒ A. Three
☒ B. Two
☒ C. One
☒ D. Four

Q.62 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 5 4 3 9 4 2 5 8 8 2 1 9 7 1 7 4 9 8 8 8 3 2 1 5 2 8 (Right)

How many such even numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans ☒ A. 6
☒ B. 3
☒ C. 5
☒ D. 4

Q.63 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is Q related to N if 'N % E - C % R # Q'?

- Ans ☒ A. Son's wife
☒ B. Son's daughter
☒ C. Husband's father
☒ D. Father's brother

Q.64 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$18 + 4 - 6 \div 46 \times 2 = ?$$

- Ans ☒ A. 21
☒ B. 17
☒ C. 11
☒ D. 14

Q.65 What should come in place of the question mark (?) in the given series?

45 ? 57 63 69 75

- Ans ☒ A. 51
☐ B. 53
☐ C. 62
☐ D. 47

Q.66 In a certain code language, 'POKE' is coded as '8469' and 'KIND' is coded as '2387'. What is the code for 'K' in the given code language?

- Ans ☐ A. 6
☒ B. 8
☐ C. 2
☐ D. 4

Q.67 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 letter-cluster pair 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. IN - GL
☒ B. OT - MS
☐ C. GL - EJ
☐ D. MR - KP

Q.68 What should come in place of the question mark (?) in the given series?

2 1 1 1.5 ? 7.5

- Ans ☐ A. 2.5
☐ B. 4
☐ C. 2
☒ D. 3

Q.69 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 15, 720)

(14, 11, 616)

- Ans ☒ A. (16, 11, 704)
☐ B. (13, 10, 510)
☐ C. (12, 9, 434)
☐ D. (18, 9, 548)

- Q.70** 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:

All viruses are fungi.

Some viruses are bacteria.

Conclusions:

(I) Some fungi are bacteria.

(II) No fungi is a virus.

- Ans**
- ☒ A. Both follow
 - ☒ B. Neither follows
 - ☒ C. Only I follows
 - ☒ D. Only II follows

- Q.71** Rihaan starts from Point A and drives 24 km towards East. He then takes a right turn, drives 50 km, turns right and drives 51 km. He then takes a right turn and drives 63 km. He takes a final right turn, drives 27 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. 17 km to the north
 - ☒ B. 15 km to the north
 - ☒ C. 13 km to the South
 - ☒ D. 11 km to the South

- Q.72** Five people, A, B, C, D and E, are sitting in a row, facing north. A sits at the extreme right end of the row. D sits to the immediate left of A. Only B sits between C and E. How many people sit between A and B?

- Ans**
- ☒ A. 1
 - ☒ B. 3
 - ☒ C. 0
 - ☒ D. 2

- Q.73** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 1 5 1 9 8 6 6 9 9 4 1 6 7 8 3 7 2 1 3 5 3 5 1 6 2 8 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. 3
 - ☒ B. 6
 - ☒ C. 5
 - ☒ D. 4

- Q.74** Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 8 9 2 6 3 9 2 7 5 5 6 9 2 9 6 8 9 1 2 9 1 6 7 9 1 8 (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. 2
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. 4

- Q.75** 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:

All pans are cups.

All cups are bottles.

Some cups are mugs.

Conclusions:

(I): Some bottles are mugs.

(II): Some pans are mugs.

- 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.76** This question is based on the five, three-digit numbers given below.

(Left) 715, 906, 570, 853, 418 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans** ☒ A. 6
☒ B. 8
☒ C. 7
☒ D. 13

- Q.77** What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$58 \div 11 + 624 \times 13 - 471 = ?$$

- Ans** ☒ A. 1061
☒ B. 1032
☒ C. 1011
☒ D. 1022

- Q.78** A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. C sits fourth to the right of X. Only two people sit between Y and W when counted from the left of Y. D sits third to the left of B. A is an immediate neighbour of B and W. How many people between C and A when counted from the left of A?

- Ans** ☒ A. One
☒ B. Two
☒ C. Three
☒ D. Four

Q.79 In a certain code language, 'ELMS' is coded as '4892' and 'ALES' is coded as '7428'. What is the code for 'A' in the given code language?

- Ans**
- ☐ A. 2
 - ☐ B. 8
 - ☒ C. 7
 - ☐ D. 4

Q.80 Town I is to the north of Town F. Town H is to the east of Town I. Town J is to the east of Town H. Town G is to the north of Town J. What is the position of Town F with respect to Town G?

- Ans**
- ☐ A. Northeast
 - ☒ B. Southwest
 - ☐ C. East
 - ☐ D. North

Section : General Awareness and Current Affairs

Q.81 In which event did Suruchi Singh win a gold medal at the ISSF World Cup, 2025, in Munich?

- Ans**
- ☐ A. Women's trap shooting
 - ☒ B. Women's 10m air pistol
 - ☐ C. Women's 50m rifle
 - ☐ D. Women's 25m pistol

Q.82 In June 2025, Rajkishore Parhi was chosen for the Bal Sahitya Puraskar for poetry collection, 'Kete Phula Phutichhi', in which language?

- Ans**
- ☐ A. Telegu
 - ☐ B. Bhojpuri
 - ☐ C. Tamil
 - ☒ D. Odia

Q.83 Pobitora Wildlife Sanctuary reopened for the 2025-26 tourist season in which Indian state?

- Ans**
- ☐ A. West Bengal
 - ☐ B. Meghalaya
 - ☐ C. Odisha
 - ☒ D. Assam

Q.84 In September 2025, Justice Shree Chandrashekhar took oath as the Chief Justice of which High Court, following his appointment by the Government of India?

- Ans**
- ☒ A. Bombay High Court
 - ☐ B. Delhi High Court
 - ☐ C. Calcutta High Court
 - ☐ D. Rajasthan High Court

Q.85 What was the theme of the 28th National Conference on e-Governance scheduled for 22 and 23 September 2025 in Visakhapatnam?

- Ans**
- ☐ A. AI in Governance: Future Pathways
 - ☐ B. Digital India: Inclusive Growth
 - ☐ C. e-Governance for Sustainable Development
 - ☒ D. Viksit Bharat: Civil Service and Digital Transformation

- Q.86** In July 2025, which of the following firms entered into a binding agreement to form a 50:50 domestic reinsurance joint venture to serve the insurance market in India?
- Ans** ☒ A. Allianz with Jio Financial Services
☐ B. Swiss Re with Axis Bank
☐ C. Lloyd's with PayU
☐ D. Munich Re with Paytm
- Q.87** At the 23rd National Para Athletics Championships 2025 in Chennai's Nehru Stadium, which state claimed the top position in the combined men's and women's team standings?
- Ans** ☐ A. Tamil Nadu
☒ B. Haryana
☐ C. Uttar Pradesh
☐ D. Maharashtra
- Q.88** Which of the following initiatives was launched by the Union Ministry of Tribal Affairs in 2025 to improve the implementation of tribal welfare schemes?
- Ans** ☐ A. Van Dhan 2.0
☒ B. Adi Karmyogi
☐ C. Tribal Pragati Mission
☐ D. Janjatiya Jyoti Abhiyan
- Q.89** In 2025, who broke the women's mile world record with a time of 4:06.42 at Nike's Breaking event in Paris?
- Ans** ☒ A. Faith Kipyegon
☐ B. Laura Muir
☐ C. Genzebe Dibaba
☐ D. Sifan Hassan
- Q.90** Recently, who has taken over as president of industry body ASSOCHAM for 2024-25?
- Ans** ☒ A. Sanjay Nayar
☐ B. Akhilesh Nayar
☐ C. Suresh Nayar
☐ D. Pankaj Nayar
- Q.91** What is the name of the new regulatory body formed by the Reserve Bank of India in May 2025 to supervise India's payment systems?
- Ans** ☐ A. Unified Financial Authority
☐ B. National Payments Council
☒ C. Payments Regulatory Board
☐ D. Payments Governance Authority
- Q.92** In October 2025, the Centre for Research on Energy and Clean Air (CREA) published the PM2.5 air quality assessment of Indian cities. What does PM2.5 refer to?
- Ans** ☐ A. Sulphur dioxide emissions released from industrial units
☒ B. Fine particulate matter with a diameter of 2.5 micrometres or smaller
☐ C. Ground-level ozone produced during photochemical reactions
☐ D. Carbon monoxide generated from incomplete combustion

Q.93 The Indian Armed Forces contingent participating in the multilateral joint military exercise ZAPAD 2025 is being led by which regiment of the Indian Army?

- Ans**
- ☒ A. Kumaon Regiment
 - ☐ B. Rajput Regiment
 - ☐ C. Sikh Regiment
 - ☐ D. Gorkha Regiment

Q.94 Chief Minister Yogi Adityanath launched which book on public etiquette in May 2025?

- Ans**
- ☐ A. The Divine Kumbh
 - ☐ B. Sanghatil Manavi Vyavasthapan
 - ☒ C. Rajal Neeti: Lok Vyavhaar
 - ☐ D. Rajal Neeti: Time Management

Q.95 Which landmark treaty, aimed at protecting the high seas, achieved its final ratification push during the UN Ocean Conference in June 2025?

- Ans**
- ☐ A. Convention on Wetlands (Ramsar Convention)
 - ☐ B. Paris Agreement on climate change
 - ☐ C. United Nations Convention on the Law of the Sea (UNCLOS)
 - ☒ D. Biodiversity Beyond National Jurisdiction (BBNJ) Agreement

Q.96 What rank did Neeraj Chopra achieve during the Doha Diamond League competition of 2025?

- Ans**
- ☐ A. Fourth
 - ☐ B. First
 - ☒ C. Second
 - ☐ D. Third

Q.97 What is the purpose of introducing Sugar Boards in CBSE schools, as reported in May 2025?

- Ans**
- ☒ A. To educate about sugar risks
 - ☐ B. To promote physical education
 - ☐ C. To teach hygiene practices
 - ☐ D. To encourage sports activities

Q.98 In August 2025, which of the following African countries was officially declared free of sleeping sickness by the World Health Organization (WHO)?

- Ans**
- ☐ A. Ghana
 - ☐ B. Uganda
 - ☒ C. Kenya
 - ☐ D. Nigeria

Q.99 In June 2025, a London-bound Air India aircraft crashed shortly after taking off from which airport?

- Ans**
- ☐ A. Delhi Airport
 - ☐ B. Chennai Airport
 - ☒ C. Ahmedabad Airport
 - ☐ D. Kolkata Airport

Q.100 Which government body introduced the FASTag annual pass?

- Ans**
- ☐ A. Ministry of Rural Infrastructure and Bridges
 - ☐ B. Indian Roadways Development Council
 - ☐ C. Directorate of National Toll and Transit
 - ☒ D. National Highways Authority of India



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone IDZ KIOT-Campus
Test Date	29/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Where does the heat energy go when the solid melts but its temperature remains the same?

- Ans**
- ☒ A. It is used to overcome the forces of repulsion between the particles.
 - ☒ B. It is lost to the surroundings while overcoming the forces of repulsion.
 - ☒ C. It is lost to the surroundings while overcoming the forces of attraction.
 - ☒ D. It is used to overcome the forces of attraction between the particles.

Q.2 Which of the following is abiotic factor responsible for storage losses in agricultural produce?

- Ans**
- ☒ A. Insects
 - ☒ B. Fungi
 - ☒ C. Moisture
 - ☒ D. Rodents

Q.3 A stone falls freely and covers a distance (s) 20 m in time (t) 2.0 s. What is the value of acceleration due to gravity (g)?

- Ans**
- ☒ A. 10.0 m/s²
 - ☒ B. 12.0 m/s²
 - ☒ C. 20.0 m/s²
 - ☒ D. 8.0 m/s²

Q.4 What happens in the female body if the egg is NOT fertilised?

- Ans**
- ☒ A. The egg remains in the uterus and turns into an embryo.
 - ☒ B. The uterine lining breaks down and is expelled as blood and mucus.
 - ☒ C. The ovary stops releasing eggs permanently.
 - ☒ D. The thick uterine lining is retained permanently.

Q.5 Life on earth depends on ____ molecules as the main source of energy for all organisms.

- Ans**
- ☒ A. protein-based
 - ☒ B. carbon-based
 - ☒ C. nitrogen-based
 - ☒ D. oxygen-based

Q.6 Consider the following statements and select the correct option.

Statement A: Plants require specific soil pH for proper growth.

Statement B: Farmers use pH values to decide the type of fertiliser to add.

- Ans**
- ☐ A. Statement A is correct but B is incorrect.
 - ☒ B. Both statements A and B are correct.
 - ☐ C. Both statements A and B are incorrect.
 - ☐ D. Statement A is incorrect but B is correct.

Q.7 What name is given to the flat, stacked sacs that make up the Golgi apparatus?

- Ans**
- ☐ A. Vesicles
 - ☐ B. Thylakoids
 - ☒ C. Cisternae
 - ☐ D. Cristae

Q.8 Why are grains first dried in sunlight and then in shade before storage?

- Ans**
- ☐ A. To reduce the colour of grains
 - ☒ B. To reduce moisture content and prevent spoilage
 - ☐ C. To save time
 - ☐ D. To make them soft

Q.9 An object is placed at 35.0 cm in front of a concave mirror of focal length 25.0 cm. At what distance from the mirror an image is formed?

- Ans**
- ☐ A. 10 cm
 - ☒ B. - 87.5 cm
 - ☐ C. - 8.75 cm
 - ☐ D. 8.75 cm

Q.10 Isotopes of an element have the same number of _____.

- Ans**
- ☐ A. Electrons
 - ☐ B. Neutrons
 - ☒ C. Protons
 - ☐ D. Nucleus

Q.11 Ethanoic acid reacts with alcohols to form what compound?

- Ans**
- ☒ A. Esters
 - ☐ B. Ketone
 - ☐ C. Aldehyde
 - ☐ D. Alcohols

Q.12 Which of the following correctly represents the strength of attraction between particles in the three states of matter?

- Ans**
- ☐ A. Solid < Liquid < Gas
 - ☐ B. Solid > Gas > Liquid
 - ☒ C. Gas < Liquid < Solid
 - ☐ D. Gas > Liquid > Solid

Q.13 Why do passengers in a moving car tend to jerk forward when the brakes are suddenly applied?

- Ans**
- ☒ A. Because of the inertia of motion that keeps the body moving forward
 - ☐ B. Because of the friction between the seat and the body
 - ☐ C. Because the brakes push the passengers forward
 - ☐ D. Due to the force applied by the engine

Q.14 Even though ovulation occurs regularly in a female, the uterus lining is shed during menstruation each month. What does this suggest about fertilisation?

- Ans ☒ A. Fertilisation is not occurring
☐ B. Fertilisation is occurring each time
☐ C. The uterus is rejecting the embryo
☐ D. The ovary is not releasing eggs

Q.15 If the frequency of a vibrating object is 50 Hz, what is its time period?

- Ans ☐ A. 2 s
☒ B. 0.02 s
☐ C. 5 s
☐ D. 0.2 s

Q.16 Which structural feature contributes to the high reactivity of unsaturated organic compounds?

- Ans ☒ A. Existence of double or triple bonds between carbon atoms
☐ B. Presence of halogen atoms attached to the carbon framework
☐ C. Incomplete formation of the carbon atom backbone structure
☐ D. Total absence of hydrogen atoms within the compound molecule

Q.17 A block of mass 1 kg is dropped from the top of a building of height 20 m. What will be the velocity with which the block hits the ground?
(Take the value of $g = 10 \text{ m/s}^2$)

- Ans ☐ A. $\sqrt{20} \text{ m/s}$
☐ B. 40 m/s
☐ C. $\sqrt{40} \text{ m/s}$
☒ D. 20 m/s

Q.18 Which of the following is produced when a carbon compound undergoes complete combustion?

- Ans ☐ A. Carbon dioxide and hydrogen
☒ B. Carbon dioxide and water
☐ C. Carbon and oxygen
☐ D. Carbon monoxide and water

Q.19 Why are vesicles important in the functioning of the Golgi apparatus?

- Ans ☐ A. They digest waste materials
☐ B. They help in forming the nucleus
☒ C. They carry materials to and from the Golgi apparatus
☐ D. They generate energy needed for packaging in Golgi apparatus

Q.20 The magnetic field around a straight current-carrying conductor:

- Ans ☐ A. points radially outward
☒ B. forms concentric circles around the conductor
☐ C. points along the conductor
☐ D. is zero

Q.21 How can you identify a concave and a convex mirror based on the direction of their reflecting surfaces?

- Ans ☐ A. A concave mirror reflects light outward, while a convex mirror reflects it inward.
☐ B. Both concave and convex mirrors have the same reflecting surface direction.
☒ C. A concave mirror has its reflecting surface curved inward; a convex mirror has its reflecting surface curved outward.
☐ D. A concave mirror and a convex mirror both reflect inward.

Q.22 In human females, if the egg is not fertilised, the monthly shedding of the uterine lining is called which of the following?

- Ans**
- ☐ A. Maintenance
 - ☐ B. Maturation
 - ☐ C. Fertilisation
 - ☒ D. Menstruation

Q.23 Conventionally, what is the assigned direction of electric current in an electric circuit, given the flow of electrons?

- Ans**
- ☐ A. Same as the movement of atoms
 - ☐ B. Same as the movement of molecules
 - ☐ C. Opposite to the flow of positive charges
 - ☒ D. Opposite to the flow of electrons

Q.24 For uniformly accelerated motion, which of the following is true about the velocity-time graph?

- Ans**
- ☒ A. The graph is a straight line because velocity changes by equal amounts in equal intervals of time.
 - ☐ B. The graph is horizontal because velocity remains constant.
 - ☐ C. The graph can have any shape depending on the motion.
 - ☐ D. The graph is always curved because velocity changes irregularly.

Q.25 Which of the following is NOT applicable to the Law of Constant Proportion?

- Ans**
- ☐ A. Ionic Compounds
 - ☐ B. Compounds
 - ☒ C. Mixtures
 - ☐ D. Elements

Section : Mathematics

Q.26 A, B and C can do a piece of work in 3, 6 and 2 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☐ A. 3
 - ☐ B. 6
 - ☐ C. 4
 - ☒ D. 2

Q.27 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 18^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 2 : 7, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 13°
 - ☐ B. 17°
 - ☐ C. 16°
 - ☒ D. 20°

Q.28 The curved surface area of a cylinder is 55.44 m^2 , which is two – thirds of its total surface area.

Find the volume of the cylinder correct to two decimal places (use $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 47.65 m³
 - ☐ B. 36.35 m³
 - ☒ C. 58.21 m³
 - ☐ D. 28.31 m³

Q.29 The average age of 23 students of a class is 41 years. If the age of the teacher is also included, the average age of the whole group becomes 42 years. The age (in years) of the teacher is:

- Ans** ☒ A. 65
☒ B. 64
☒ C. 66
☒ D. 62

Q.30 The amount on a sum of ₹7,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☒ A. ₹8,833
☒ B. ₹8,444
☒ C. ₹9,391
☒ D. ₹8,251

Q.31 Walking at $\frac{3}{4}$ of his normal speed from his home, Abhishek is 30 min cover the distance between his home and his office is:

- Ans** ☒ A. 91 minutes
☒ B. 93 minutes
☒ C. 90 minutes
☒ D. 85 minutes

Q.32 A water tank can be filled in 13 minutes using 46 identical pipes. How long (in minutes) will it take to fill the same tank if only 27 such pipes are used? (Round off the answer to two decimal places.)

- Ans** ☒ A. 20.82
☒ B. 22.15
☒ C. 13.33
☒ D. 15.63

Q.33 A cylindrical pillar has a diameter of 10 cm and a height of 35 cm. The curved surface is to be painted at a cost of ₹12/cm². If a 10% discount is offered on the total painting cost, how much will be paid? (Use $\pi = \frac{22}{7}$)

- Ans** ☒ A. ₹11,880
☒ B. ₹11,550
☒ C. ₹11,660
☒ D. ₹11,770

Q.34 A total profit of ₹13,800 is to be distributed amongst A, B and C such that A : B = 20 : 2 and B : C = 1 : 4. The share (in ₹) of B in the profit is:

- Ans** ☒ A. 920
☒ B. 820
☒ C. 870
☒ D. 1,070

Q.35 If the fourth proportional to 8, X and 15 is 135, then find the value of X.

- Ans** ☒ A. 71
☒ B. 73
☒ C. 74
☒ D. 72

Q.36 Find the HCF of the numbers 4220, 5440 and 6880.

- Ans ☐ A. 80
☒ B. 20
☐ C. 60
☐ D. 40

Q.37 In triangle XYZ, sides XY = 12 cm, YZ = 15 cm and angle $\angle Y = 120^\circ$. What is the length of side XZ?

- Ans ☒ A. $3\sqrt{61}$ cm
☐ B. $5\sqrt{61}$ cm
☐ C. $7\sqrt{61}$ cm
☐ D. $\sqrt{61}$ cm

Q.38 The price of fuel decreases by 10%, 45% and 55% in three successive months, but increases by 55% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off the answer to two decimal places.)

- Ans ☐ A. Increases by 63.38%
☐ B. Increases by 70.18%
☒ C. Decreases by 65.47%
☐ D. Decreases by 64.94%

Q.39 For 5 innings, a cricketer has an average of 80 runs. In the 6th inning, he scores 194 runs. His average score increased by ____.

- Ans ☐ A. 26
☒ B. 19
☐ C. 21
☐ D. 29

Q.40 A shopkeeper declares the following three schemes of discounts. Which scheme is the most beneficial to a customer?

- A. Buy 42 items and get 47 of the same items
B. Two successive discounts of 16% and 36%
C. Two successive equal discounts of 46%

- Ans ☐ A. C and B both
☒ B. Only C
☐ C. Only B
☐ D. Only A

Q.41 A train travels at 84.6 km/hr. How many metres will it travel in 20 minutes?

- Ans ☐ A. 26,200
☐ B. 26,400
☒ C. 28,200
☐ D. 24,600

Q.42 A camp has provisions for 20 pupils for 13 days. In how many days will the same provisions be used up, if the strength of the camp is increased to 65 pupils?

- Ans ☐ A. 5
☒ B. 4
☐ C. 3
☐ D. 7

Q.43 Radha has ₹10 and ₹5 coins. She has a total of 15 coins worth ₹85. How many coins of ₹5 does she have?

- Ans**
- ☐ A. 8
 - ☐ B. 7
 - ☐ C. 5
 - ☒ D. 13

Q.44 Reena is 5 years older than Meena. Eight years ago from now, Reena's age was twice the age of Meena. Find the present age of Reena.

- Ans**
- ☐ A. 21 years
 - ☒ B. 18 years
 - ☐ C. 26 years
 - ☐ D. 32 years

Q.45 A dealer allowed a 23% discount on an article and was still able to manage a 44% profit. Find the ratio of the cost price to the listed price.

- Ans**
- ☐ A. 78 : 151
 - ☒ B. 77 : 144
 - ☐ C. 74 : 149
 - ☐ D. 76 : 146

Q.46 Raj's monthly income is ₹50,000. He spends 40% of his income on household expenses and saves the remaining amount. If his income increases by 10%, and his expenditure on household expenses remains the same percentage of his income, calculate the amount (in ₹) he saves after the increment.

- Ans**
- ☒ A. 33,000
 - ☐ B. 31,500
 - ☐ C. 33,500
 - ☐ D. 31,000

Q.47 In an election, the winner gets 80% of the total valid votes. If 18% are invalid votes out of 2,00,000 votes, then the votes polled in favour of the winner are:

- Ans**
- ☐ A. 1,13,200
 - ☐ B. 1,21,300
 - ☐ C. 1,32,100
 - ☒ D. 1,31,200

Q.48 A shopkeeper buys 20 pens for a total of ₹200. He sells each pen for ₹12. What is his total profit?

- Ans**
- ☐ A. ₹60
 - ☐ B. ₹30
 - ☒ C. ₹40
 - ☐ D. ₹20

Q.49 Evaluate: $(5^{\frac{1}{4}}) \times (125^{0.25})$

- Ans**
- ☐ A. $5\sqrt{5}$
 - ☒ B. 5
 - ☐ C. 25
 - ☐ D. $\sqrt{5}$

Q.50 The length of a rectangular field is $(2x + y^2)$ m and breadth is $(2x - y^2)$ m. Find the area of the rectangular field when $x = 2$ and $y = 1$.

- Ans**
- ☒ A. 15 m²
 - ☐ B. 26 m²
 - ☐ C. 12 m²
 - ☐ D. 29 m²

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'HAVE' is coded as '4579' and 'VOLT' is coded as '2438'. What is the code for 'V' in the given code language?

- Ans**
- ☒ A. 4
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 8

Q.52 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4593867, which of the following digits will be second from the left in the new number thus formed?

- Ans**
- ☐ A. 9
 - ☒ B. 3
 - ☐ C. 8
 - ☐ D. 5

Q.53 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:

All helmets are mats.

All helmets are bottles.

Conclusions:

(I): Some mats are bottles.

(II): All bottles are helmets.

- 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.54 A, B, C, D, E and F are sitting around a circular table facing the centre. D sits third to the right of C. A sits second to the left of C. E sits second to the right of F. B sits to the immediate right of E. How many people sit between A and F when counted from the left of A?

- Ans**
- ☒ A. Four
 - ☐ B. One
 - ☐ C. None
 - ☐ D. Two

Q.55 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 4 3 3 5 3 9 5 4 4 3 8 7 9 8 8 1 1 3 2 5 9 1 8 7 1 5 6 (Right)

How many such even numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- ☒ A. 2
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 5

Q.56 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

COP20 , WIJ27 , QCD34 , KWX41 , ?

- Ans
- ☒ A. EQP48
 - ☒ B. EQR48
 - ☒ C. ELR48
 - ☒ D. EOR48

Q.57 Sachin ran 15 metres east from the starting point A. He then took a left turn and ran 25 metres, after which he took a right turn and ran another 5 metres. He took one last right turn and ran 25 metres until he reached point B. How far and in which direction should he run in order to reach point A? (All turns are 90-degree turns only, unless specified.)

- Ans
- ☒ A. 25 metres towards the east
 - ☒ B. 20 metres towards the east
 - ☒ C. 22 metres towards the west
 - ☒ D. 20 metres towards the west

Q.58 Prayansh starts from point A and drives 34 km towards the north. He then takes a left turn, drives 41 km, turns left and drives 56 km. He then takes a left turn and drives 63 km. He takes a final left turn, drives 22 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. 22 km to the west
 - ☒ B. 21 km to the east
 - ☒ C. 23 km to the west
 - ☒ D. 20 km to the east

Q.59 What should come in place of the question mark (?) in the given series?

28 39 52 67 84 ?

- Ans
- ☒ A. 105
 - ☒ B. 104
 - ☒ C. 103
 - ☒ D. 102

Q.60 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 its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(17, 25, 59)

(5, 13, 35)

- Ans
- ☐ A. (11, 19, 48)
 - ☐ B. (15, 7, 23)
 - ☐ C. (9, 17, 25)
 - ☒ D. (13, 21, 51)

Q.61 Eight people (P, Q, R, S, T, U, V and W) are sitting around a circular table, facing towards the centre.

There are exactly three people sitting between U and V. P is an immediate neighbour of both T and Q. Q sits to the immediate right of U. W is an immediate neighbour of both R and S. R sits second to the right of T.

How many people sit between W and Q, when counted from the right of W?

- Ans
- ☐ A. 3
 - ☐ B. 4
 - ☒ C. 2
 - ☐ D. 1

Q.62 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 letter-cluster pair 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. CF-JE
 - ☒ B. AD-HB
 - ☐ C. EH-LG
 - ☐ D. GJ-NI

Q.63 EIJ I is related to JNON in a certain way based on the English alphabetical order. In the same way, PTUT is related to UYZY. To which of the given options is IMNM related, following the same logic?

- Ans
- ☒ A. NRSR
 - ☐ B. NRRR
 - ☐ C. NSRY
 - ☐ D. NQRR

Q.64 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 4 6 5 6 3 2 8 3 3 5 2 8 5 2 4 8 1 4 1 3 5 5 9 9 3 9 6 (Right)

How many such odd numbers are there (from left to right), each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans
- ☐ A. 6
 - ☐ B. 3
 - ☒ C. 4
 - ☐ D. 5

Q.65 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 6 © % © 7 # 5 % 5 4 2 # © 5 6 2 © \$ € 1 € 8 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans** ☒ A. 8
☒ B. 9
☒ C. 4
☒ D. 3

Q.66 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 63157842, how many digits will appear more than once in the new number thus formed?

- Ans** ☒ A. 4
☒ B. 1
☒ C. 3
☒ D. 2

Q.67 In a row of all 95 students facing the north, Mr. Hepa is 9th from the right end. If Mr. Annu is 13th to the left of Mr. Hepa, what is Mr. Annu's position from the left end of the row?

- Ans** ☒ A. 73rd
☒ B. 74th
☒ C. 75th
☒ D. 76th

Q.68 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 letter-cluster pair 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. KF – MK
☒ B. OP – QU
☒ C. SZ – UE
☒ D. BG – EL

Q.69 What should come in place of the question mark (?) in the given series?

102 80 58 36 14 ?

- Ans** ☒ A. 0
☒ B. -4
☒ C. -6
☒ D. -8

Q.70 In a certain code language, DTWG is coded as 42 and RAYI is coded as 43. What is the code for OZES in that language?

- Ans** ☒ A. 28
☒ B. 37
☒ C. 31
☒ D. 35

Q.71 In a row of 50 people facing north, Amit sits 17th from the left end. If only 18 people sit to the right of Vilas, then how many people sit between Amit and Vilas?

- Ans**
- ☐ A. 15
 - ☐ B. 12
 - ☐ C. 16
 - ☒ D. 14

Q.72 Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing the north. A sits second from one of the extreme ends of the line. Only two people sit between A and B. C sits second to the right of B. Only three people sit between C and D. F sits second to the left of D. E sits at one of the positions to the right of G. How many people sit between A and G?

- Ans**
- ☐ A. Three
 - ☒ B. One
 - ☐ C. None
 - ☐ D. Two

Q.73 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 4 4 9 8 8 6 8 4 2 1 1 8 5 9 8 5 7 1 8 6 2 7 2 9 2 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☒ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 2

Q.74 In a certain code language,
A x B means 'A is the father of B',
A - B means 'A is the mother of B',
A ÷ B means 'A is the son of B' and
A + B means 'A is the brother of B'.

How is K related to Q if 'K x M - N + P ÷ Q'?

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

Q.75 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NF-KC-HJ
LD-IA-FH

- Ans**
- ☒ A. TL-QI-NP
 - ☐ B. TL-QI-NO
 - ☐ C. SL-QI-NO
 - ☐ D. SL-RI-NO

Q.76 What should come in place of the question mark (?) in the given series?

1101 1104 1108 1113 1119 ?

- Ans
- ☒ A. 1125
 - ☒ B. 1126
 - ☒ C. 1124
 - ☒ D. 1123

Q.77 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$16 \times 4 + 3 - 4 \div 8 = ?$

- Ans
- ☒ A. 8
 - ☒ B. 0
 - ☒ C. 4
 - ☒ D. 13

Q.78 LHIG is related to DZAY in a certain way based on the English alphabetical order. In the same way, XTUS is related to PLMK. To which of the following is NJKI related, following the same logic?

- Ans
- ☒ A. FBCA
 - ☒ B. FBBA
 - ☒ C. FABA
 - ☒ D. FCBK

Q.79 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:

All mangoes are artists.

All kiwis are mangoes.

Conclusions:

(I): All kiwis are artists

(II): Some artists are kiwis

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

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

AQE3, DOH6, GMK9, ?

- Ans
- ☒ A. JKM10
 - ☒ B. KLM10
 - ☒ C. KLN12
 - ☒ D. JKN12

Q.81 With which of the following government bodies, did the Reserve Bank of India (RBI) collaborate in June 2025 to curb spam loan and credit-card calls?

- Ans**
- ☐ A. Central Bureau of Investigation (CBI)
 - ☒ B. Telecom Regulatory Authority of India (TRAI)
 - ☐ C. Securities and Exchange Board of India (SEBI)
 - ☐ D. Unique Identification Authority of India (UIDAI)

Q.82 According to the IMF World Economic Outlook, 2025, which of the following countries is projected to have the highest GDP growth among major economies?

- Ans**
- ☐ A. China
 - ☒ B. India
 - ☐ C. Japan
 - ☐ D. The United States of America

Q.83 Which of the following commands participated in the successful combat launch of the BrahMos Supersonic Cruise Missile by the Indian Army in December 2025 from a test range in the Bay of Bengal?

- Ans**
- ☐ A. Eastern Command
 - ☒ B. Southern Command
 - ☐ C. Northern Command
 - ☐ D. Western Command

Q.84 Dr. C Anandharamakrishnan received the Rashtriya Vigyan Puraskar 2024 in the Vigyan Shri category for his contribution to the field of ____.

- Ans**
- ☐ A. Atomic Energy
 - ☐ B. Biological Science
 - ☒ C. Agricultural Science
 - ☐ D. Medicine

Q.85 Which veteran actor and dancer, noted for her appearances in films like 'Navrang' and 'Pinjra', passed away in October 2025?

- Ans**
- ☐ A. Sulakshana Pandit
 - ☐ B. Jyoti Chandekar
 - ☒ C. Sandhya Shantaram
 - ☐ D. Madhumati

Q.86 Which new private reinsurer entered the Indian market in March 2025?

- Ans**
- ☐ A. ABC Reinsurance
 - ☒ B. Valueattics Reinsurance
 - ☐ C. Falcon Re
 - ☐ D. General Re

Q.87 The International Monetary Fund (IMF) sanctioned \$2.3bn fund to which of the following countries in May 2025?

- Ans**
- ☐ A. Syria
 - ☐ B. Sri Lanka
 - ☒ C. Pakistan
 - ☐ D. Ukraine

Q.88 Who was named Sportsperson of the Year with a Disability at the 2025 Laureus Awards?

- Ans**
- ☐ A. Liu Yaxin
 - ☐ B. Sophie Pascoe
 - ☒ C. Jiang Yuyan
 - ☐ D. Ellie Simmonds

Q.89 Who was sworn in as the Chief Minister of Delhi following the 2025 elections?

- Ans**
- ☒ A. Rekha Gupta
 - ☐ B. Arvind Kejriwal
 - ☐ C. Manish Sisodia
 - ☐ D. Atishi Marlena

Q.90 In January 2025, Chief Minister Conrad K Sangma inaugurated the 6th Meghalaya Games at which venue in Jowai?

- Ans**
- ☐ A. Tura Indoor Stadium
 - ☒ B. Wahiajer Multi Sports Complex Stadium
 - ☐ C. Jawaharlal Nehru Stadium
 - ☐ D. Shillong Sports Complex

Q.91 South Africa ended a 27-year wait for a major cricket title by winning which tournament?

- Ans**
- ☐ A. Champions Trophy
 - ☐ B. ICC Cricket World Cup
 - ☒ C. World Test Championship
 - ☐ D. ICC T20 World Cup

Q.92 In March 2025, the government of which of the following states announced to bring 5,000 hectares under afforestation during the year 2025-2026?

- Ans**
- ☐ A. Odisha
 - ☒ B. Himachal Pradesh
 - ☐ C. Kerala
 - ☐ D. West Bengal

Q.93 Which of the following measures did the Delhi government and IIT Kanpur attempt in October 2025 to clear smog that eventually proved unsuccessful due to low atmospheric moisture?

- Ans**
- ☐ A. Imposing a city-wide vehicle ban
 - ☐ B. Restricting industrial operations for one week
 - ☐ C. Deploying large-scale air purifiers in all public parks
 - ☒ D. Cloud-seeding to induce artificial rain

Q.94 Which international agency raised concerns leading to amendments in India's anti-doping law in July 2025?

- Ans**
- ☐ A. World Health Organization (WHO)
 - ☒ B. World Anti-Doping Agency (WADA)
 - ☐ C. International Olympic Committee (IOC)
 - ☐ D. United Nations Educational, Scientific and Cultural Organization (UNESCO)

Q.95 'Sanghatil Manavi Vyavasthapan' offering RSS insights, was authored by which politician published in May 2025?

- Ans**
- ☐ A. Shashi Tharoor
 - ☐ B. Amit Shah
 - ☒ C. Nitin Gadkari
 - ☐ D. Yogi Adityanath

Q.96 Which city hosted the Kho Kho World Cup from 13 to 19 January 2025?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Chennai
 - ☒ C. New Delhi
 - ☐ D. Kolkata

Q.97 In November 2024, the Indian Space Research Organisation (ISRO) launched India's inaugural analog space mission at _____ with an aim to simulate interplanetary habitat conditions and helping scientists explore the feasibility of establishing a sustainable base station beyond Earth.

- Ans**
- ☒ A. Leh
 - ☐ B. Tawang
 - ☐ C. Chandipur
 - ☐ D. Pokhran

Q.98 In which of the following states was the Skill Development Centre inaugurated under the 'Pradhan Mantri Jan Vikas Karyakram' scheme in July 2025?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Gujarat
 - ☒ C. Kerala
 - ☐ D. Punjab

Q.99 Which two companies signed a Joint Venture Cooperation Agreement (JVCA) for the production of HAMMER smart precision guided Air-to-Ground weapons in India in November 2025?

- Ans**
- ☐ A. Bharat Dynamics Limited (BDL) & Thales Group
 - ☒ B. Bharat Electronics Limited (BEL) & Safran Electronics and Defence (SED)
 - ☐ C. Hindustan Aeronautics Limited (HAL) & Lockheed Martin Corporation
 - ☐ D. Larsen & Toubro (L&T) & Raytheon Technologies Corporation

Q.100 The annual elephant rejuvenation camp held in September 2025 was conducted in which of the following tiger reserves of Madhya Pradesh?

- Ans**
- ☐ A. Kanha Tiger Reserve
 - ☐ B. Sanjay Tiger Reserve
 - ☐ C. Satpura Tiger Reserve
 - ☒ D. Bandhavgarh Tiger Reserve



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Vellore
Test Date	30/12/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following best differentiates a mixture from a compound?

- Ans
- ☒ A. Mixtures always have a fixed boiling point.
 - ☒ B. Compounds retain the individual properties of their components.
 - ☒ C. Mixtures can be separated by physical methods, while compounds require chemical methods.
 - ☒ D. Compounds are heterogeneous in nature, while mixtures are always homogeneous.

Q.2 Which of the following is an INCORRECT statement about the endoplasmic reticulum?

- Ans
- ☒ A. The rough endoplasmic reticulum (RER) has ribosomes attached to its surface, which help in protein synthesis.
 - ☒ B. The smooth endoplasmic reticulum (SER) is involved in the synthesis of lipids (fat molecules).
 - ☒ C. The endoplasmic reticulum stores genetic material in it.
 - ☒ D. The endoplasmic reticulum helps in the transport of materials within the cell, especially between the cytoplasm and the nucleus.

Q.3 How are metals like gold and silver, which are low in reactivity, extracted?

- Ans
- ☒ A. By reacting with acids
 - ☒ B. By electrolytic reduction
 - ☒ C. By simple heating or chemical methods
 - ☒ D. By displacement reaction

Q.4 Which of the following does NOT occur with an increase in temperature?

- Ans
- ☒ A. Increase in kinetic energy
 - ☒ B. Change in state of matter
 - ☒ C. Decrease in inter-particle space
 - ☒ D. Increase in particle movement

Q.5 Magnetic field is a quantity that has _____.

- Ans
- ☒ A. only direction
 - ☒ B. neither magnitude nor direction
 - ☒ C. both magnitude and direction
 - ☒ D. only magnitude

Q.6 What is the main purpose of creating DNA copies during reproduction?

- Ans**
- ☐ A. To make organisms immune to diseases
 - ☐ B. To produce identical twins
 - ☒ C. To pass genetic information to offspring
 - ☐ D. To change the structure of cells

Q.7 When BaCl_2 reacts with Na_2SO_4 , the white precipitate is:

- Ans**
- ☒ A. Barium sulphate which is insoluble
 - ☐ B. Sodium chloride which crystallises
 - ☐ C. Barium nitrate which is basic
 - ☐ D. Sodium carbonate which is insoluble

Q.8 A car is moving at a speed of 180 km/h. After the brakes are applied, it comes to a complete stop in 5 seconds. If the total mass of the car along with its passengers is 4200 kg, what is the force applied by the brakes to stop the car?

- Ans**
- ☒ A. -42,000 N
 - ☐ B. -15,120 N
 - ☐ C. -50,000 N
 - ☐ D. -36,000 N

Q.9 A man's pitch is ____ than child's pitch.

- Ans**
- ☐ A. higher
 - ☒ B. lower
 - ☐ C. same
 - ☐ D. sometimes higher and sometimes lower

Q.10 Which of the following is NOT true about binary fission?

- Ans**
- ☐ A. It is fast and efficient
 - ☒ B. It needs two parents
 - ☐ C. It leads to population increase
 - ☐ D. It occurs in unicellular organisms

Q.11 Applying pressure to a gas causes:

- Ans**
- ☐ A. Temperature to decrease
 - ☐ B. Volume to increase
 - ☐ C. Particles to move faster
 - ☒ D. Particles to come closer

Q.12 Which of the following is the correct unit of resistivity of a material?

- Ans**
- ☒ A. ohm-meter
 - ☐ B. ohm
 - ☐ C. ohm/meter
 - ☐ D. meter/ohm

Q.13 At what minimum distance should an object be held from the eyes for clear and comfortable viewing?

- Ans**
- ☐ A. 50 cm
 - ☐ B. 250 cm
 - ☒ C. 25 cm
 - ☐ D. 25 m

Q.14 Which part of a neuron carries the nerve impulse away from the cell body?

- Ans**
- ☒ A. Axon
 - ☐ B. Synapse
 - ☐ C. Dendrite
 - ☐ D. Nucleus

Q.15 Which law did Mendel derive from his monohybrid cross?

- Ans**
- ☐ A. Law of Evolution
 - ☐ B. Law of Constant Proportion
 - ☒ C. Law of Segregation
 - ☐ D. Law of Independent Assortment

Q.16 Which phenomenon, successfully explained by the universal law of gravitation, relies on the combined and differential gravitational attraction exerted by both the moon and the sun on the earth?

- Ans**
- ☒ A. The occurrence of ocean tides
 - ☐ B. The centripetal force keeping the stone in a circular path
 - ☐ C. The decrease in the value of g from poles to equator
 - ☐ D. The motion of planets around the Sun

Q.17 If magnification is positive, the image formed is:

- Ans**
- ☒ A. virtual and erect
 - ☐ B. inverted
 - ☐ C. on the screen
 - ☐ D. real

Q.18 The Work-Energy theorem states that the total work done on an object is equal to:

- Ans**
- ☐ A. Change in the static energy of the body
 - ☐ B. Change in the potential energy of the body
 - ☒ C. Change in the kinetic energy of the body
 - ☐ D. Change in the work and energy of the body

Q.19 On mixing sodium bicarbonate with dil. HCl, sodium chloride is formed and a gas is evolved. This gas when passed through lime water turns it milky. The evolved gas is:

- Ans**
- ☐ A. CO
 - ☒ B. CO₂
 - ☐ C. H₂
 - ☐ D. Cl₂

Q.20 Growing of two or more crops simultaneously on the same field is called ____.

- Ans**
- A. Mixed cropping
 - B. Intra-cropping
 - C. Mono-cropping
 - D. Inter-cropping

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.21 Which of the following examples represents motion along a straight line?

- Ans**
- ☐ A. A pendulum swinging
 - ☒ B. A train moving on a straight track
 - ☐ C. A fan blade rotating
 - ☐ D. A child running around a park

Q.22 During the electrolysis of brine, which of the following correctly matches the products formed at each electrode and in the solution?

- Ans**
- ☒ A. Anode – Cl_2 , Cathode – H_2 , Solution – NaOH
 - ☐ B. Anode – Cl_2 , Cathode – NaOH , Solution – H_2
 - ☐ C. Anode – NaOH , Cathode – Cl_2 , Solution – H_2
 - ☐ D. Anode – H_2 , Cathode – Cl_2 , Solution – NaOH

Q.23 What is the correct sequence of steps followed in extracting metals like zinc from their sulphide or carbonate ores?

- Ans**
- ☐ A. Direct heating → Purification
 - ☐ B. Electrolysis → Roasting → Purification
 - ☒ C. Roasting or calcination → Reduction to metal → Purification
 - ☐ D. Dissolution in acid → Filtration → Heating

Q.24 Who sacrificed her life along with 363 others in 1731 to protect the Khejri trees in Rajasthan?

- Ans**
- ☐ A. Vandana Shiva
 - ☐ B. Medha Patkar
 - ☐ C. Sunita Narain
 - ☒ D. Amrita Devi Bishnoi

Q.25 Which of the following is the main function of skeletal muscles in a human body?

- Ans**
- ☐ A. Respiration
 - ☐ B. Excretion
 - ☒ C. Movement in our body
 - ☐ D. Circulation

Section : Mathematics

Q.26 If the radius of a sphere is 35 cm, then its surface area is:

- Ans**
- ☐ A. $2500 \pi \text{ cm}^2$
 - ☐ B. $2400 \pi \text{ cm}^2$
 - ☒ C. $4900 \pi \text{ cm}^2$
 - ☐ D. $2450 \pi \text{ cm}^2$

Q.27 Due to an earthquake, a pole broke and its top now touches the ground at a distance of 25 m from the foot of the pole making an angle of 45° with the ground. Find the length of the pole before the earthquake.

- Ans**
- ☐ A. $25\sqrt{2}$ m
 - ☐ B. $50(\sqrt{2} + 1)$ m
 - ☐ C. $50\sqrt{2}$ m
 - ☒ D. $25(\sqrt{2} + 1)$ m

Q.28 A salesman marks his goods 5% above the cost price and gives a discount of 40% on them. Find his loss percentage.

- Ans**
- ☐ A. 36%
 - ☐ B. 35%
 - ☒ C. 37%
 - ☐ D. 34%

Q.29 The marked price of a painting was ₹7,500, but the shopkeeper offered a double discount in a successive manner of 14% and 28%. Ultimately for how much did he sell the item?

- Ans**
- ☐ A. ₹4,610
 - ☒ B. ₹4,644
 - ☐ C. ₹4,674
 - ☐ D. ₹4,490

Q.30 The amount on a sum of ₹6,500 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹7,895
 - ☐ B. ₹8,207
 - ☒ C. ₹7,865
 - ☐ D. ₹8,309

Q.31 One pipe can fill a tank in 7 minutes, while another pipe can empty the completely filled tank in 14 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 8
 - ☐ B. 15
 - ☒ C. 7
 - ☐ D. 14

Q.32 If Sonali's salary first decreased by 25% and then increased by 12%, what is the percentage effect on her salary?

- Ans**
- ☐ A. Increases by 12%
 - ☒ B. Decreases by 16%
 - ☐ C. Increases by 16%
 - ☐ D. Decreases by 12%

Q.33 A person buys a machine for ₹20,000, and spends ₹2,000 on its repair and ₹3,000 on transportation. He sells it for ₹30,000. What is the profit percentage?

- Ans**
- ☐ A. 35%
 - ☐ B. 30%
 - ☒ C. 20%
 - ☐ D. 25%

Q.34 If a father is 30 years older than his son, and his age is currently five times that of his son, how old is the son?

- Ans**
- ☒ A. 7.5 years
 - ☐ B. 15 years
 - ☐ C. 10 years
 - ☐ D. 5 years

Q.35 The average age of 32 students of a class is 21 years. If the age of the teacher is also included, the average age of the whole group becomes 22 years. The age (in years) of the teacher is:

- Ans**
- ☒ A. 54
 - ☐ B. 59
 - ☐ C. 57
 - ☐ D. 52

Q.36 Simplify:

$$5\frac{1}{2} - \left[2\frac{1}{3} \div \left\{ \frac{3}{4} - \frac{1}{2} \times \frac{8}{3} \right\} \right]$$

- Ans ☐ A. 9
☒ B. $\frac{19}{2}$
☐ C. $\frac{21}{2}$
☐ D. $\frac{3}{2}$

Q.37 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 33^\circ$. E is a point on BC such that $\angle CAE = 45^\circ$. What is the measure of $\angle AEB$?

- Ans ☐ A. 89°
☐ B. 95°
☐ C. 93°
☒ D. 102°

Q.38 The average of 7 numbers is 25. If each number is decreased by 3, what will the new average be?

- Ans ☐ A. 7
☐ B. 19
☐ C. 25
☒ D. 22

Q.39 A water tank has two inlet pipes (A and B) and one outlet pipe (C). Pipe A can fill the tank in 4 hours, Pipe B can fill the tank in 6 hours, and Pipe C can empty the tank in 8 hours. If all three pipes are opened for the first 3 hours and then Pipe C is closed, how much total time is required to fill the tank?

- Ans ☐ A. 5 hours 15 minutes
☐ B. 4 hours 18 minutes
☐ C. 4 hours 15 minutes
☒ D. 3 hours 18 minutes

Q.40 The sum of the first 17 prime numbers is:

- Ans ☐ A. 436
☒ B. 440
☐ C. 441
☐ D. 439

Q.41 A person walked from his house to the market at the rate of 5 km/hr and walked back to his house at the rate of 4 km/hr. The whole journey took 4 hours 30 minutes. Find the distance (in km) from his house to the market.

- Ans ☐ A. 15
☒ B. 10
☐ C. 20
☐ D. 25

Q.42 Two trains are running along parallel tracks towards each other at speeds of 40 km/h and 60 km/h, respectively. If the length of each train is 125 metres, then how much time will they take to cross each other?

- Ans**
- ☒ A. 12 seconds
 - ☒ B. 7 seconds
 - ☒ C. 9 seconds
 - ☒ D. 5 seconds

Q.43 The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 12% and savings increase by 37%, then by what percentage does her income increase?

- Ans**
- ☒ A. 7%
 - ☒ B. 3%
 - ☒ C. 2%
 - ☒ D. 5%

Q.44 A machine produces two types of widgets. The number of widgets produced is a and b . If $a + b = 50$ and $a^2 + b^2 = 1300$, then find the product of the number of widgets produced.

- Ans**
- ☒ A. 650
 - ☒ B. 700
 - ☒ C. 500
 - ☒ D. 600

Q.45 A person is 3 times as old as their sibling. If the sum of their ages is 40 years, then how old is the person?

- Ans**
- ☒ A. 10 years
 - ☒ B. 20 years
 - ☒ C. 40 years
 - ☒ D. 30 years

Q.46 The market prices of jowar and gram are in the ratio 1 : 3, and a family consumes them in the ratio 5 : 11 by quantity. Find the ratio of expenditure on jowar to that on gram.

- Ans**
- ☒ A. 6 : 34
 - ☒ B. 5 : 33
 - ☒ C. 9 : 35
 - ☒ D. 7 : 34

Q.47 If 20% of a number is added to 60, then the result is the same number. 75% of the same number is:

- Ans**
- ☒ A. 56.25
 - ☒ B. 76.25
 - ☒ C. 66.25
 - ☒ D. 86.25

Q.48 If the volume of a cylindrical vessel is 21.560 litres. If the radius of the vessel is 7 cm, find the total surface area of the cylinder (in cm^2).

- Ans**
- ☒ A. 4312
 - ☒ B. 4352
 - ☒ C. 4345
 - ☒ D. 4324

Q.49 Evaluate: $16 \times 2^5 \times 8 \div \left(\frac{1}{2}\right)^3$

- Ans ☒ A. 2^{15}
☒ B. 2^{20}
☒ C. 2^9
☒ D. 2^{13}

Q.50 Three numbers are in the ratio $\frac{1}{5} : \frac{9}{18} : \frac{11}{16}$. The difference between

- Ans ☒ A. 109
☒ B. 110
☒ C. 111
☒ D. 108

Section : General Intelligence and Reasoning

Q.51 Kavya walks 100 metres north, turns right and walks 40 metres. Again, she turns right and walks 30 metres. She turns right again and walks 40 metres. How far is she from her original position?

- Ans ☒ A. 100 metres
☒ B. 200 metres
☒ C. 10 metres
☒ D. 70 metres

Q.52 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$73 - 15 \div 98 + 506 \times 23 = ?$$

- Ans ☒ A. 1153
☒ B. 1195
☒ C. 1171
☒ D. 1186

Q.53 BFIF is related to IMPM in a certain way based on the English alphabetical order. In the same way, PTWT is related to WADA. To which of the given options is CGJG related, following the same logic?

- Ans ☒ A. JNPN
☒ B. JOPT
☒ C. JMPN
☒ D. JNQN

Q.54 In a certain code language, 'true friends stay' is coded as 'eg nu ko' and 'stay close always' is coded as 'bs eg xv'. How is 'stay' coded in the given language?

- Ans ☒ A. nu
☒ B. eg
☒ C. ko
☒ D. bs

Q.55 A, B, C, D, N, O and P are sitting in a straight line, facing north.
No one sits to the right of B. Only three people sit between B and N. Only two people sit between N and C. A sits third to the left of D. O sits to the immediate right of D.
How many people sit between P and C?

- Ans**
- ☐ A. Four
 - ☐ B. Two
 - ☒ C. Three
 - ☐ D. One

Q.56 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

XBF 84 IMQ 92 TXB 100 EIM 108 ?

- Ans**
- ☐ A. PUW 116
 - ☒ B. PTX 116
 - ☐ C. PRU 115
 - ☐ D. PSW 115

Q.57 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 6 9 4 7 8 9 9 1 6 7 3 6 5 9 7 4 7 1 7 7 8 3 4 6 9 3 (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. 1
 - ☐ B. 3
 - ☐ C. 0
 - ☐ D. 2

Q.58 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

PLI-MIF
VRO-SOL

- Ans**
- ☐ A. FBY-BYU
 - ☒ B. FBY-CYV
 - ☐ C. FAW-BXU
 - ☐ D. FAW-CYV

Q.59 GIMJ is related to LNRO in a certain way based on the English alphabetical order. In the same way, QSWT is related to VXBY. To which of the given options is TVZW related, following the same logic?

- Ans**
- ☐ A. YBDJ
 - ☐ B. YADB
 - ☒ C. YAEB
 - ☐ D. YZDB

Q.60 In a certain code language,

'A+ B' means 'A is the son of B',
'A # B' means 'A is the sister of B',
'A x B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is L related to R if 'L + O # V x E @ R'?

- Ans ☒ A. Mother's sister's son
☐ B. Sister's husband
☐ C. Mother's sister's husband
☐ D. Sister's son

Q.61 What should come in place of the question mark (?) in the given series?

3 11 21 29 39 ?

- Ans ☐ A. 49
☒ B. 47
☐ C. 45
☐ D. 51

Q.62 In a row of 97 students facing north, Z is 61st from the right end. If G is 28th to the left of Z, what is G's position from the left end of the line?

- Ans ☐ A. 7th
☐ B. 8th
☐ C. 10th
☒ D. 9th

Q.63 Ishu starts from Point P and drives 8 km towards the west. Then she takes a right turn, drives 13 km, she turns right again and drives 15 km. She then takes a right turn and drives 5 km, turns right again and drives 7 km and stops at Point Q. How far (shortest distance) and towards which direction should she drive in order to reach Point P again? (All turns are 90-degree turns only unless specified.)

- Ans ☐ A. 4 km towards the north
☒ B. 8 km towards the south
☐ C. 5 km towards the north
☐ D. 3 km towards the east

Q.64 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$43 \div 17 + 425 \times 5 - 65 = ?$

- Ans ☒ A. 711
☐ B. 729
☐ C. 745
☐ D. 709

Q.65 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 letter-cluster pair 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. XY-ZA
☐ B. QR-ST
☒ C. LM-MQ
☐ D. NO-PQ

Q.66 This question is based on the five, three-digit numbers given below.

(Left) 567 862 426 326 749 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 2 is added to the second digit of every number, in how many numbers will the second digit be exactly divisible by the third digit?

- Ans
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Two

Q.67 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:

All wheels are cars.

All cars are trucks.

Conclusions:

(I) Some trucks are cars.

(II) All wheels are trucks.

- 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.68 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. EFA
 - ☒ B. SRM
 - ☒ C. UVQ
 - ☒ D. NOJ

Q.69 If 2 is added to each even digit and 3 is subtracted from each odd digit in the number 2436795, what will be the sum of the greatest and smallest digits in the new number thus formed?

- Ans
- ☒ A. 6
 - ☒ B. 8
 - ☒ C. 12
 - ☒ D. 10

Q.70 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NFU SJZ XNE CRJ ?

- Ans
- ☒ A. IWO
 - ☒ B. GVP
 - ☒ C. HVO
 - ☒ D. GUN

Q.71 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 4 7 8 5 2 9 5 5 2 2 4 9 8 7 2 3 7 9 5 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans
- ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☒ D. 4

Q.72 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 12, 28)
(8, 15, 34)

- Ans
- ☐ A. (7, 14, 24)
 - ☒ B. (23, 30, 64)
 - ☐ C. (21, 14, 32)
 - ☐ D. (19, 12, 28)

Q.73 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 rails are cars.
No car is a bus.

Conclusions:

(I) Some rails are buses.
(II) Some cars are rails.

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

Q.74 In a certain code language, 'pig peak salad' is coded as 'aq ym lq' and 'lemon salad grape' is coded as 'wq cv ym'. How is 'salad' coded in that language?

- Ans
- ☐ A. lq
 - ☐ B. wq
 - ☐ C. aq
 - ☒ D. ym

Q.75 All 104 people are standing in a row facing North. Mr. Zzz is 9th from the right end while Mr. Memi is 34th from the left end. How many people are there between Mr. Zzz and Mr. Memi?

- Ans
- ☐ A. 59
 - ☐ B. 62
 - ☒ C. 61
 - ☐ D. 60

Q.76 What should come in place of the question mark (?) in the given series?

256, 128, 64, 32, 16, ?

- Ans**
- ☒ A. 4
 - ☒ B. 8
 - ☒ C. 10
 - ☒ D. 6

Q.77 What should come in place of the question mark (?) in the given series?

6 ? 12 36 144 720

- Ans**
- ☒ A. 8
 - ☒ B. 6
 - ☒ C. 12
 - ☒ D. 10

Q.78 This question is based on the five, three-digit numbers given below.

(Left) 937, 228, 782, 175, 631 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 15
 - ☒ B. 10
 - ☒ C. 14
 - ☒ D. 12

Q.79 Five people, A, B, C, D and E, are sitting in a row, facing the north.
A sits fourth from the right end of the row. Only one person sits between B and D. D is not an immediate neighbour of A.
How many people sit between A and D?

- Ans**
- ☒ A. 1
 - ☒ B. 2
 - ☒ C. 0
 - ☒ D. 3

Q.80 Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. I sits to the immediate right of S. Only three people sit between I and Q when counted from the left of I. R sits to the immediate right of H. How many people sit between G and H when counted from the left of H?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. Two

Section : General Awareness and Current Affairs

Q.81 On 28 October 2025, the Union Cabinet approved the Terms of Reference for which commission responsible for recommending salaries and retirement benefits for central government employees?

- Ans**
- ☐ A. 6th Central Pay Commission
 - ☐ B. 7th Central Pay Commission
 - ☒ C. 8th Central Pay Commission
 - ☐ D. 5th Central Pay Commission

Q.82 In November 2025, the standing committee of the National Board for Wildlife approved a proposal to construct a Pinjoli bridge in which of the following wildlife sanctuaries?

- Ans**
- ☒ A. Eaglenest Wildlife Sanctuary
 - ☐ B. Dehing Patkai Wildlife Sanctuary
 - ☐ C. Dzukou Valley Wildlife Sanctuary
 - ☐ D. Sepahijala Wildlife Sanctuary

Q.83 On 26 August 2025, a deadly landslide near which pilgrimage site in Reasi district, Jammu & Kashmir, killed dozens and triggered a high-level investigation?

- Ans**
- ☒ A. Vaishno Devi
 - ☐ B. Amarnath Cave
 - ☐ C. Shankaracharya Temple
 - ☐ D. Hemkund Sahib

Q.84 Which Swedish athlete won the Laureus Sportsman of the Year 2025 for his world record-breaking performances in pole vault?

- Ans**
- ☐ A. Karsten Warholm
 - ☐ B. Jakob Ingebrigtsen
 - ☒ C. Mondo Duplantis
 - ☐ D. Armand Traoré

Q.85 Which of the following Amendments came into effect from 1 November 2025, giving depositors the flexibility to make nominations in banks?

- Ans**
- ☐ A. Banking Laws (Amendment) Act, 2026
 - ☐ B. Banking Laws (Amendment) Act, 2024
 - ☒ C. Banking Laws (Amendment) Act, 2025
 - ☐ D. Reserve Bank Laws (Amendment) Act, 2025

Q.86 In February 2025, the government notified the End-of-Life Vehicles (ELV) Rules, effective April 1. Which of the following statements is true with regards to ELV rules?

- Ans**
- ☐ A. Public sold salvaged vehicles are exempt.
 - ☐ B. Only imported vehicles are regulated.
 - ☐ C. All vehicles must be recycled regardless of age.
 - ☒ D. Producers must meet EPR targets using scrapping facilities.

Q.87 Which day in February 2025 was celebrated as the National Science Day in India?

- Ans**
- ☐ A. 13 February
 - ☐ B. 20 February
 - ☐ C. 4 February
 - ☒ D. 28 February

Q.88 In 2025, Saudi Arabia signed a major security agreement with which country to strengthen military cooperation amid regional tensions?

- Ans**
- ☐ A. Egypt
 - ☒ B. Pakistan
 - ☐ C. United Arab Emirates
 - ☐ D. Iran

Q.89 Who among the following participated in the Outreach Session of the G7 Summit in Canada in June 2025?

- Ans**
- ☐ A. Nirmala Sitharaman
 - ☐ B. Amit Shah
 - ☐ C. Droupadi Murmu
 - ☒ D. Narendra Modi

Q.90 Which team won the 2025 UEFA-Champions League?

- Ans**
- ☒ A. Paris Saint-Germain
 - ☐ B. Bayern Munich
 - ☐ C. Barcelona
 - ☐ D. Inter Milan

Q.91 The Monetary Policy Committee (MPC) held its 54th meeting from 7 to 9 April 2025 under whose Chairmanship?

- Ans**
- ☐ A. Smt. Nirmala Sitharaman
 - ☒ B. Shri Sanjay Malhotra
 - ☐ C. Shri Narendra Modi
 - ☐ D. Shri Saugata Bhattacharya

Q.92 How many cities were covered under the National Clean Air Programme (NCAP) by June 2025 to combat air pollution?

- Ans**
- ☐ A. 141
 - ☐ B. 111
 - ☒ C. 131
 - ☐ D. 121

Q.93 Which regulatory provisions did the the Insurance Regulatory and Development Authority of India (IRDAI) reference while imposing the fine on Acko General Insurance for violations related to outsourcing and commissions in May 2025?

- Ans**
- ☐ A. Section 5 of IRDAI Act
 - ☐ B. Section 64V of Insurance Act
 - ☒ C. Section 40(1) of Insurance Act
 - ☐ D. Section 45 of Banking Act

Q.94 Who received the Vigyan Shri award in 2024 for his contributions to Agricultural Science?

- Ans**
- ☐ A. Prof. Jayant Bhalchandra Udgaonkar
 - ☐ B. Prof. Govindarajan Padmanabhan
 - ☒ C. Dr. Anandharamakrishnan C
 - ☐ D. Dr. Avesh Kumar Tyagi

Q.95 According to the Indian Government how many Khelo India State Centres of Excellence (KISCEs) were notified by the Government of India as of June 2025?

- Ans** ☒ A. 34
☐ B. 32
☐ C. 36
☐ D. 30

Q.96 Which of the following government portal/initiative is specifically aimed at breaking language barriers by enabling Indian languages for digital services?

- Ans** ☒ A. BHASHINI
☐ B. IndiaStack
☐ C. UMANG
☐ D. DigiLocker

Q.97 When was the Regional Climate Centre Network Task Team Meeting held in India?

- Ans** ☒ A. June 2025
☐ B. May 2025
☐ C. January 2025
☐ D. April 2025

Q.98 What was the revised International Poverty Line (IPL) set by the World Bank for India in June 2025?

- Ans** ☐ A. \$3.50/day
☒ B. \$3.00/day
☐ C. \$2.15/day
☐ D. \$2.50/day

Q.99 When was the International Day of Families observed in 2025?

- Ans** ☐ A. June 1
☐ B. July 11
☒ C. May 15
☐ D. April 15

Q.100 Which ace footballer and former Indian football team captain was selected for the Padma Shri honour in 2025?

- Ans** ☐ A. Subrata Pal
☐ B. Sunil Chhetri
☐ C. Bhaichung Bhutia
☒ D. IM Vijayan



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Jay Shri Infotech
Test Date	30/12/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which gas is evolved when a metal reacts with a dilute acid?

- Ans**
- ☒ A. Carbon dioxide
 - ☒ B. Hydrogen
 - ☒ C. Nitrogen
 - ☒ D. Oxygen

Q.2 A satellite moves in a circular orbit of radius 42,250 km and completes one revolution in 24 hours. If a new satellite orbits at half this radius but maintains the same period, how does the speed (v_{new}) compare to the original speed (v_{orig})?

- Ans**
- ☒ A. $v_{\text{new}} = v_{\text{orig}}$
 - ☒ B. $v_{\text{new}} = 4v_{\text{orig}}$
 - ☒ C. $v_{\text{new}} = 2v_{\text{orig}}$
 - ☒ D. $v_{\text{new}} = 0.5v_{\text{orig}}$

Q.3 Which of the following is an allotrope of carbon with a cage-like structure?

- Ans**
- ☒ A. Graphite
 - ☒ B. Diamond
 - ☒ C. Charcoal
 - ☒ D. Fullerene

Q.4 Salt dissolves in water because:

- Ans**
- ☒ A. Water has space between particles for ions to enter
 - ☒ B. It evaporates quickly in water during mixing
 - ☒ C. It has lower density than water and floats easily
 - ☒ D. It melts at room temperature forming a liquid

Q.5 In a redox displacement reaction, if element X loses electrons and element Y gains electrons, then:

- Ans**
- ☒ A. X is oxidised and Y is reduced
 - ☒ B. Both are reduced
 - ☒ C. Both are oxidised
 - ☒ D. X is reduced and Y is oxidised

Q.6 The _____ is a dark, spherical structure in the cell, surrounded by a _____ membrane with pores for material exchange.

- Ans**
- ☐ A. nucleoid; double
 - ☐ B. nucleoid; single
 - ☒ C. nucleus; double
 - ☐ D. vacuole; single

Q.7 In unicellular organisms, _____ is the method of reproduction.

- Ans**
- ☒ A. Fission
 - ☐ B. Regeneration
 - ☐ C. Fragmentation
 - ☐ D. Rejuvenation

Q.8 What was Mendel's contribution to genetics?

- Ans**
- ☐ A. Discovery of DNA
 - ☒ B. Laws of Inheritance
 - ☐ C. Theory of Evolution
 - ☐ D. Inheritance of Acquired Traits

Q.9 Which of the following is INCORRECT?

- Ans**
- ☒ A. Buoyant force is independent of fluid density.
 - ☐ B. Buoyant force is maximum for fully submerged body.
 - ☐ C. Buoyant force acts upwards.
 - ☐ D. Buoyant force = weight of fluid displaced

Q.10 If the slope of a distance-time graph changes continuously, it indicates:

- Ans**
- ☒ A. non-uniform speed
 - ☐ B. stationary object
 - ☐ C. instantaneous rest
 - ☐ D. uniform speed

Q.11 An electric iron having resistance (R) has a power (P) associated with it when current (I) flows through it on applying potential difference (V) across its ends. Which of the following relations is NOT correct?

- Ans**
- ☐ A. $P = V^2/R$
 - ☒ B. $P = V/I$
 - ☐ C. $P = VI$
 - ☐ D. $P = I^2R$

Q.12 During an experiment, a cell is damaged and its lysosomes burst, releasing digestive enzymes into the cytoplasm. What is most likely to happen next?

- Ans**
- ☐ A. The mitochondria will produce more energy.
 - ☒ B. The cell will destroy itself and die.
 - ☐ C. The cell will grow in size.
 - ☐ D. The nucleus will divide rapidly.

Q.13 Work is said to be positive when _____.

- Ans**
- ☐ A. force and displacement are opposite
 - ☒ B. force and displacement are in the same direction
 - ☐ C. no displacement occurs
 - ☐ D. force is perpendicular to the displacement

Q.14 Which of the following is an element?

- Ans**
- ☒ A. Oxygen
 - ☐ B. Air
 - ☐ C. Sodium chloride
 - ☐ D. Water

Q.15 Which of the following is NOT a consequence of nutrient deficiency in plants?

- Ans**
- ☐ A. Low yield
 - ☐ B. Poor growth
 - ☒ C. Increased resistance to diseases
 - ☐ D. Affected reproduction

Q.16 The outermost orbit can hold maximum how many electrons?

- Ans**
- ☐ A. 2
 - ☒ B. 8
 - ☐ C. 16
 - ☐ D. 5

Q.17 What occurs when a detached leaf of Bryophyllum comes into contact with moist soil?

- Ans**
- ☐ A. It decomposes.
 - ☐ B. It absorbs water and grows larger.
 - ☐ C. It shows a loss of chlorophyll.
 - ☒ D. It produces new plantlets from notches on the leaf margin.

Q.18 Which of the following best defines a heterogeneous mixture?

- Ans**
- ☒ A. A mixture where components are not uniformly distributed and can be easily seen as separate.
 - ☐ B. A mixture where components are uniformly distributed and indistinguishable.
 - ☐ C. A compound formed by the chemical combination of two or more elements.
 - ☐ D. A pure substance that cannot be broken down further by chemical means.

Q.19 What is the name of the effect seen when light is scattered by tiny particles in a colloidal solution?

- Ans**
- ☒ A. Tyndall Effect
 - ☐ B. Reflection
 - ☐ C. Dispersion
 - ☐ D. Refraction

Q.20 Which of the following correctly describes the graphical representation of Ohm's law?

- Ans**
- ☐ A. A straight line parallel to x-axis
 - ☒ B. A straight line through the origin
 - ☐ C. An elliptical curve
 - ☐ D. A hyperbolic curve

Q.21 While cooking, steam escapes from a boiling pot and hits the cook's hand. Why does she pull away her hand before feeling the burn?

- Ans**
- ☒ A. The spinal cord initiated a reflex action.
 - ☐ B. The heat evaporated quickly.
 - ☐ C. The brain delayed the response.
 - ☐ D. Her hand muscles detect the steam.

Q.22 Select the statement regarding cell organelles that is INCORRECT.

- Ans**
- ☐ A. Each cell organelle performs a special function.
 - ☒ B. They are found in Prokaryotic cells.
 - ☐ C. They are membrane-bound structures.
 - ☐ D. They are found in Eukaryotic cells.

Q.23 When an acid reacts with a reactive metal, the products formed are:

- Ans**
- ☐ A. An alkali and hydrogen peroxide form
 - ☒ B. A salt and hydrogen gas are produced
 - ☐ C. A salt and carbon dioxide gas form
 - ☐ D. A metal oxide and nitrogen gas evolve

Q.24 The refractive indices of water, glass and diamond are 1.33, 1.5, and 2.42, respectively. Light travels:

- Ans**
- ☐ A. at the same speed irrespective of the medium
 - ☐ B. the fastest in diamond medium
 - ☐ C. the fastest in glass medium
 - ☒ D. the fastest in water medium

Q.25 Which of the following is an example of a vibrating body producing sound?

- Ans**
- ☐ A. A stationary fan
 - ☒ B. A ringing tuning fork
 - ☐ C. A pendulum swinging silently
 - ☐ D. A moving car

Section : Mathematics

Q.26 The amount on a sum of ₹3,500 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹5,138
 - ☒ B. ₹5,040
 - ☐ C. ₹5,564
 - ☐ D. ₹6,011

Q.27 If the mean proportional of A and 27 is 18, then find the value of A.

- Ans**
- ☐ A. 11
 - ☒ B. 12
 - ☐ C. 13
 - ☐ D. 10

Q.28 The average age of 34 students of a class is 29 years. If the age of the teacher is also included, the average age of the whole group becomes 30 years. The age (in years) of the teacher is:

- Ans**
- ☐ A. 66
 - ☐ B. 70
 - ☐ C. 68
 - ☒ D. 64

Q.29 Two pipes A and B fill a tank in 32 and 36 minutes, respectively and pipe C empties 13 cubic units per minute. All three pipes together can fill the tank in 20 minutes. Find the capacity (in cubic units) of the tank.

- Ans**
- ☒ A. 480
 - ☒ B. 1440
 - ☒ C. 720
 - ☒ D. 1560

Q.30 P sells an item to R at a profit of 10%, and R sells it to Q at a profit of 5%. What would have been P's profit percentage if he had sold the item directly to Q at the price R sold it?

- Ans**
- ☒ A. 15.5%
 - ☒ B. 14.5%
 - ☒ C. 16%
 - ☒ D. 15%

Q.31 A person observes an object on the ground from the top of a tower at an angle of depression 60° . If the distance between the foot of the tower and the object is $10\sqrt{3}$ m, then find the height (in m) of the tower.

- Ans**
- ☒ A. 30
 - ☒ B. $15\sqrt{3}$
 - ☒ C. $20\sqrt{3}$
 - ☒ D. 21.5

Q.32 If the price of rice increases by 20% and a person reduces its consumption by 20%, by what percentage will his total expenditure on rice decrease?

- Ans**
- ☒ A. 5%
 - ☒ B. 3%
 - ☒ C. 2%
 - ☒ D. 4%

Q.33 If the radius of a sphere is 22 cm, then its surface area is:

- Ans**
- ☒ A. $1936\pi \text{ cm}^2$
 - ☒ B. $1864\pi \text{ cm}^2$
 - ☒ C. $2000\pi \text{ cm}^2$
 - ☒ D. $1964\pi \text{ cm}^2$

Q.34 Three candidates contested an election. The first candidate got 40% of number of votes polled were 36,000, find the number of votes obtained



- Ans**
- ☒ A. 10,900
 - ☒ B. 10,800
 - ☒ C. 10,200
 - ☒ D. 10,100

Q.35 A cyclist rides a 180 km course consisting of three segments. For the first 60 km, the cyclist rides at a speed of 20 km/hr. For the next 60 km, the cyclist rides at 30 km/hr. For the final 60 km, the cyclist rides at 60 km/hr. What is the cyclist's average speed for the entire journey?

- Ans**
- ☒ A. 30 km/hr
 - ☒ B. 26 km/hr
 - ☒ C. 29.14 km/hr
 - ☒ D. 28.57 km/hr

Q.36 The salaries of X, Y and Z are in the ratio 18:5:10. If the increments of 45%, 86% and 89% are allowed, respectively, in their salaries, then what will be new ratio of their salaries?

- Ans**
- ☐ A. 85:38:67
 - ☐ B. 89:37:64
 - ☒ C. 87:31:63
 - ☐ D. 90:34:66

Q.37 Simplify: $(x + 2)^2 - (x - 3)^2$

- Ans**
- ☐ A. $10x + 5$
 - ☐ B. $2x + 5$
 - ☐ C. $2x - 5$
 - ☒ D. $10x - 5$

Q.38 P and Q together can fill a cistern with water in 8 hours. If P alone can fill the cistern with water in 16 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☐ A. 5
 - ☐ B. 8
 - ☒ C. 4
 - ☐ D. 9

Q.39 In an election held in a city, the voting percentage was 72%. The winner got 27% of the polled votes, while the runner-up got 15% of the polled votes. If there were 1,20,000 voters in that city, by how many votes did the winner win the election?

- Ans**
- ☒ A. 10,368
 - ☐ B. 10,458
 - ☐ C. 11,358
 - ☐ D. 11,458

Q.40 If the number of sides of a regular polygon is 18, then what is the measure of the interior angle of the polygon?

- Ans**
- ☒ A. 160°
 - ☐ B. 120°
 - ☐ C. 140°
 - ☐ D. 150°

Q.41 Which of the following pairs of numbers are relatively prime to each other?

- Ans**
- ☐ A. (65, 91)
 - ☒ B. (52, 105)
 - ☐ C. (102, 153)
 - ☐ D. (68, 85)

Q.42 The present age of a father is two times the age of his son. Fifteen years ago from now, the father was three times as old as his son was at that time. Find the present age of the father.

- Ans**
- ☒ A. 60 years
 - ☐ B. 30 years
 - ☐ C. 40 years
 - ☐ D. 65 years

Q.43 The capacity of a cylindrical vessel is 25.872 litres. If the height of the cylinder is three times the radius of its base, then what is the curved surface area of the cylinder?

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

- Ans**
- ☒ A. 3696 cm²
 - ☐ B. 3945 cm²
 - ☐ C. 4276 cm²
 - ☐ D. 4122 cm²

Q.44 Simplify: $\frac{10 \times a^5 \times b^6}{2 \times a^2 \times b^3}$

- Ans**
- ☐ A. $2a^3b^3$
 - ☐ B. $10a^3b^3$
 - ☒ C. $5a^3b^3$
 - ☐ D. $5a^2b^3$

Q.45 The marked price of a toy truck is ₹8,730, and its selling price is ₹5,940. Find the discount percentage. (Round off the answer to two decimal places.)

- Ans**
- ☒ A. 31.96%
 - ☐ B. 31.89%
 - ☐ C. 28.98%
 - ☐ D. 35.12%

Q.46 Nisha goes to a shop to purchase a toy drum priced at ₹5,000. She is offered 4 discount options by the shopkeeper. Which of the following options should she opt for to gain maximum advantage of the discount offered?

- Ans**
- ☐ A. Two successive discounts of 10% and 39%
 - ☐ B. Two successive discounts of 23% each
 - ☒ C. A single discount of 64%
 - ☐ D. Two successive discounts of 7% and 45%

Q.47 Find the smallest number which when increased by 20 is completely divisible by 12, 20, 15, 18 and 24.

- Ans**
- ☒ A. 340
 - ☐ B. 330
 - ☐ C. 310
 - ☐ D. 320

Q.48 Two trains, A and B, of lengths 457 m and 113 m are running at speeds of 18 m/s and 20 m/s, respectively, towards each other on parallel tracks. In how much time will they cross each other?

- Ans**
- ☐ A. 12 seconds
 - ☐ B. 23 seconds
 - ☐ C. 5 seconds
 - ☒ D. 15 seconds

Q.49 A taxi service charges a fixed base fare plus a variable rate per kilometre. For a 10 km trip, Raju paid ₹230, and for a 15 km trip, Meena paid ₹330. What is the base fare and the per-kilometre charge?

- Ans**
- ☐ A. Base fare = ₹50; Per-kilometre Charge = ₹18
 - ☐ B. Base fare = ₹40; Per-kilometre Charge = ₹18
 - ☐ C. Base fare = ₹60; Per-kilometre Charge = ₹20
 - ☒ D. Base fare = ₹30; Per-kilometre Charge = ₹20

Q.50 The average of the first 9 even natural numbers is:

- Ans** ☒ A. 10
☐ B. 11
☐ C. 9
☐ D. 13

Section : General Intelligence and Reasoning

Q.51 Town K is to the north of Town L. Town M is to the east of Town K. Town N is to the south of Town M. Town O is to the west of Town N. Town L is to the south-west of Town O. What is the position of Town K with respect to Town O?

- Ans** ☐ A. South-west
☐ B. South-east
☐ C. North-east
☒ D. North-west

Q.52 All 81 people are standing in a row facing the north. Mr. Hepa is 11th from the left end, while Mr. Annu is 16th from the right end. How many people are there between Mr. Hepa and Mr. Annu?

- Ans** ☐ A. 58
☐ B. 55
☒ C. 54
☐ D. 56

Q.53 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$189 - 153 \times 9 \div 3 + 195 = ?$$

- Ans** ☐ A. 44
☐ B. 40
☒ C. 45
☐ D. 46

Q.54 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 letter-cluster pair 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. IM-LP
☒ B. ZD-BI
☐ C. BF-EI
☐ D. VZ-YC

Q.55 BRMJ is related to XNIF in a certain way based on the English alphabetical order. In the same way, TQSN is related to PMOJ. To which of the given options is LDSK related, following the same logic?

- Ans** ☐ A. GXNF
☐ B. KAQI
☐ C. IZPH
☒ D. HZOG

Q.56 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?

$$21 A 3 C 2 B 6 D 14 = ?$$

- Ans**
- ☒ A. 17
 - ☒ B. 5
 - ☒ C. 2
 - ☒ D. 11

Q.57 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

SWE33 , LPX50 , EIQ67 , XBJ84 , ?

- Ans**
- ☒ A. QUC101
 - ☒ B. OUC101
 - ☒ C. QUD101
 - ☒ D. QVC101

Q.58 Six colleagues — Hussain, Anita, Manshaad, Emily, Sunita, and Shanti — are sitting around a circular table facing the centre. Hussain is sitting second to the right of Anita. Manshaad is an immediate neighbour of both Emily and Anita. Sunita is sitting second to the left of Manshaad. Who is sitting second to the left of Shanti?

- Ans**
- ☒ A. Manshaad
 - ☒ B. Emily
 - ☒ C. Anita
 - ☒ D. Sunita

Q.59 Six people G, H, I, Q, R and S are sitting in a straight line facing the north. Only two people are seated to the left of G. Only two people are seated between G and I. Only one person is seated between I and R. Q is seated to the immediate left of H. How many people are seated to the right of S?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. One
 - ☒ D. Four

Q.60 What should come in place of the question mark (?) in the given series?

1011 1010 1007 1002 995 ?

- Ans**
- ☒ A. 984
 - ☒ B. 987
 - ☒ C. 986
 - ☒ D. 985

Q.61 This question is based on the five, three-digit numbers given below.

(Left) 284 286 297 213 246 273 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 8
 - ☒ B. 10
 - ☒ C. 9
 - ☒ D. 13

Q.62 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 20, 13)
(9, 32, 25)

- Ans**
- ☒ A. (15, 50, 43)
 - ☒ B. (12, 41, 48)
 - ☒ C. (14, 37, 30)
 - ☒ D. (20, 65, 72)

Q.63 Rohit starts from point A and drives 2 km towards the east. He then takes a left turn, drives 5 km and then again turns left and drives 2 km. He then takes a final left turn and drives 3 km and stops at point E. How far 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. 2 km towards the south
 - ☒ B. 4 km towards the west
 - ☒ C. 4 km towards the north
 - ☒ D. 2 km towards the east

Q.64 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 elephants are horses.

No horse is a donkey.

Conclusions:

(I) No elephant is a donkey.

(II) No horse is an elephant.

- Ans**
- ☒ A. Only I follows
 - ☒ B. Neither follows
 - ☒ C. Only II follows
 - ☒ D. Both follow

Q.65 Six people, A, B, C, D, E and F, are sitting in a row, facing the north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the row?

- Ans** ☒ A. B
☐ B. F
☐ C. E
☐ D. A

Q.66 In a certain code language, 'bring hot food' is coded as 'cf tk rg' and 'food is good' is coded as 'ml do cf'. How is 'food' coded in that language?

- Ans** ☒ A. cf
☐ B. ml
☐ C. do
☐ D. tk

Q.67 In a certain code language,
'A ± B' means 'A is the wife of B',
'A * B' means 'A is the daughter of B',
'A ₹ B' means 'A is the father of B' and
'A # B' means 'A is the brother of B'.

How is D related to O if 'D # R * A ± C ₹ O'?

- Ans** ☐ A. Husband
☐ B. Father
☐ C. Son
☒ D. Brother

Q.68 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HEM JGO LIQ NKS ?

- Ans** ☐ A. PMV
☐ B. PNV
☒ C. PMU
☐ D. PNU

Q.69 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8341756, then how many digits will appear more than once in the new number thus formed?

- Ans** ☐ A. One
☐ B. None
☒ C. Three
☐ D. Two

Q.70 Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept below D. Only two boxes are kept between D and E. Only C is kept immediately above A. F is kept at some place below B and at some place above G.

How many boxes are kept below G?

- Ans** ☐ A. 2
☒ B. 1
☐ C. 3
☐ D. 4

Q.71 What should come in place of the question mark (?) in the given series?

2, 5, 10, 17, 26, ?

- Ans**
- ☒ A. 39
 - ☒ B. 35
 - ☒ C. 41
 - ☒ D. 37

Q.72 What should come in place of the question marks (?) in the given series?

489 479 469 ? 449 ? 429

- Ans**
- ☒ A. 449 and 439 respectively
 - ☒ B. 459 and 439 respectively
 - ☒ C. 469 and 439 respectively
 - ☒ D. 459 and 429 respectively

Q.73 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CZB-EBD

IFH-KHJ

- Ans**
- ☒ A. DZA-EBD
 - ☒ B. DAC-FCE
 - ☒ C. DZA-FCE
 - ☒ D. DAC-ECD

Q.74 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. OSU
 - ☒ B. QUS
 - ☒ C. MQO
 - ☒ D. GKI

Q.75 In a certain code language, 'MIST' is coded as '5321' and 'KITS' is coded as '5128'. What is the code for 'K' in that language?

- Ans**
- ☒ A. 5
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 8

Q.76 This question is based on the five, three-digit numbers given below.

(Left) 624 859 742 154 348 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the second highest number is added to the third digit of the second lowest number?

- Ans**
- ☒ A. 10
 - ☒ B. 8
 - ☒ C. 7
 - ☒ D. 9

Q.77 This question is based on the five, three-digit numbers given below.

(Left) 672 323 561 307 529 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 18
 - ☒ B. 14
 - ☒ C. 16
 - ☒ D. 15

Q.78 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:

All glasses are tiles.

All glasses are cups.

All cups are mugs.

Conclusions:

(I): All glasses are mugs.

(II): Some cups are tiles.

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

Q.79 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 9 4 1 2 3 7 3 1 4 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. Two

Q.80 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

WZX–TWU

QTR–NQO

- Ans**
- ☒ A. YBZ–UYV
 - ☒ B. YBZ–VYW
 - ☒ C. YAX–VYW
 - ☒ D. YAX–UXV

Q.81 In October 2024, which of the following companies was awarded the contract for design, manufacturing and commissioning of two high-speed trainsets by Integral Coach Factory (ICF) to be used in India's first bullet train between Mumbai and Ahmedabad?

- Ans**
- ✓ A. Bharat Earth Movers Limited (BEML)
 - ✗ B. Braithwaite and Co. Limited
 - ✗ C. Modern Coach Factory (MCF) Raebareli
 - ✗ D. Rail Coach Factory (RCF) Kapurthala

Q.82 Which of the following Ministries conferred the prestigious National Dhanwantari Ayurveda Awards in 2025 for distinguished practitioners for their exceptional contributions to the field of traditional Indian medicine?

- Ans**
- ✓ A. Ministry of AYUSH
 - ✗ B. Ministry of Tribal Affairs
 - ✗ C. Ministry of Culture
 - ✗ D. Ministry of Education

Q.83 The 6th edition of the UMAI National Muaythai Championship was held in June 2025. What was its host city?

- Ans**
- ✗ A. Raipur
 - ✓ B. Rohtak
 - ✗ C. Ranchi
 - ✗ D. Bhopal

Q.84 At the Eighth Session of the International Solar Alliance (ISA) Assembly held at Bharat Mandapam in October 2025, which of the following initiatives was launched to address solar waste and promote circularity in the solar sector?

- Ans**
- ✗ A. JYOTI – Joint Yearly Outlook for Technology and Innovation
 - ✗ B. PRABHA – Programme for Rural and Bharat Household Access to Solar
 - ✗ C. SURYA – Solar Urban Rooftop Yojana for Asia
 - ✓ D. SUNRISE – Solar Upcycling Network for Recycling, Innovation & Stakeholder Engagement

Q.85 On 26 May 2025, which government agency released a report titled 'Designing a Policy for Medium Enterprises', offering a comprehensive roadmap for transforming medium enterprises into future growth engines of India's economy?

- Ans**
- ✓ A. NITI Aayog
 - ✗ B. Securities and Exchange Board of India
 - ✗ C. Reserve Bank of India
 - ✗ D. State Bank of India

Q.86 In 2025, Uttar Pradesh and which other state hosted the Defence Industrial Corridor that together have attracted investments worth over ₹8,658 crore?

- Ans**
- ✗ A. Gujarat
 - ✗ B. Maharashtra
 - ✓ C. Tamil Nadu
 - ✗ D. Karnataka

Q.87 Which sport is associated with Rafael Nadal, recipient of the 2025 Sporting Icon Award?

- Ans**
- ✗ A. Golf
 - ✗ B. Table Tennis
 - ✓ C. Tennis
 - ✗ D. Athletics

Q.88 Which of the following districts emerged as the best-performing district in the Northeastern Region according to the 2023–24 SDG Index released by NITI Aayog in July 2025?

- Ans**
- ☐ A. Aizawl (Mizoram)
 - ☐ B. East Sikkim (Sikkim)
 - ☐ C. West Tripura (Tripura)
 - ☒ D. Hnahthial (Mizoram)

Q.89 Who won the 2025 Pulitzer Prize for Fiction with the novel 'James', a reimagining of 'Huckleberry Finn' from Jim's perspective?

- Ans**
- ☐ A. Danny Boy O'Connor
 - ☐ B. Tim Minshall
 - ☐ C. Charles McQueer
 - ☒ D. Percival Everett

Q.90 In March 2025, the Disaster Management (Amendment) Bill 2024 was passed in the Lok Sabha. This bill seeks to amend which of the following Acts?

- Ans**
- ☒ A. The Disaster Management Act, 2005
 - ☐ B. The Epidemic Diseases Act, 1897
 - ☐ C. The Environmental Protection Act, 1986
 - ☐ D. The National Green Tribunal Act, 2010

Q.91 What was the penalty amount imposed by the Insurance Regulatory and Development Authority of India (IRDAI) on Acko General Insurance in May 2025?

- Ans**
- ☒ A. ₹1 crore
 - ☐ B. ₹50 lakh
 - ☐ C. ₹2 crore
 - ☐ D. ₹25 lakh

Q.92 Which city hosted the first Indian Grand Prix athletics meet in March 2025?

- Ans**
- ☐ A. Thiruvananthapuram
 - ☐ B. Bhubaneswar
 - ☒ C. Bengaluru
 - ☐ D. Chennai

Q.93 Where was Asia's longest double-decker flyover inaugurated in October 2024?

- Ans**
- ☒ A. Nagpur
 - ☐ B. Chennai
 - ☐ C. Bengaluru
 - ☐ D. Hyderabad

Q.94 Who was awarded the Nobel Peace Prize 2025?

- Ans**
- ☐ A. Greta Thunberg
 - ☐ B. Malala Yousafzai
 - ☒ C. Maria Corina Machado
 - ☐ D. Svetlana Tikhanovskaya

Q.95 Who scored centuries in both innings of the 1st Test against England at Headingley in 2025?

- Ans**
- ☐ A. Jasprit Bumrah
 - ☒ B. Rishabh Pant
 - ☐ C. KL Rahul
 - ☐ D. Virat Kohli

Q.96 On 1 September 2025, the rupee _____ to a record low before recovering after likely RBI intervention.

- Ans**
- ☐ A. rose to ₹88 per USD
 - ☐ B. rose to ₹75 per USD
 - ☐ C. stabilised at ₹80 per USD
 - ☒ D. fell to ₹88.33 per USD

Q.97 Which among the following technology-based methods of beneficiary registration under Poshan 2.0 was announced for implementation from 1st August 2025 during the Zonal Meeting at Kevadia, Gujarat, organised by the Ministry of Women and Child Development?

- Ans**
- ☒ A. Biometric Authentication System
 - ☐ B. Quick Response Code Scanning Process
 - ☐ C. Facial Recognition System
 - ☐ D. One-Time Password Verification Method

Q.98 The new FASTag Annual plan system is specifically NOT designed for which type of vehicles?

- Ans**
- ☐ A. Private cars
 - ☐ B. Jeeps
 - ☒ C. Commercial trucks
 - ☐ D. Vans

Q.99 Rebakanta Mahanta, who was awarded the Padma Shri in January 2025, is renowned for which art form?

- Ans**
- ☐ A. Madhubani painting
 - ☒ B. Bamboo mask-making
 - ☐ C. Pottery
 - ☐ D. Kathakali

Q.100 In August 2025, DRDO's Defence Metallurgical Research Laboratory (DMRL) transferred the technology for manufacturing high-strength radomes to which of the following companies?

- Ans**
- ☐ A. Hindustan Aeronautics Limited (HAL)
 - ☐ B. Bharat Dynamics Limited (BDL)
 - ☐ C. Armoured Vehicles Nigam Limited (AVNL)
 - ☒ D. Bharat Heavy Electricals Limited (BHEL)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Vellore
Test Date	30/12/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which acid does NOT give hydrogen gas when treated with metal because of its oxidising nature?

- Ans
- ☐ A. Hydrochloric acid
 - ☐ B. Acetic acid
 - ☒ C. Nitric acid
 - ☐ D. Sulphuric acid

Q.2 What are animals used for tilling, irrigation and carting referred to as?

- Ans
- ☐ A. Wild animals
 - ☐ B. Carnivorous animals
 - ☐ C. Milch animals
 - ☒ D. Draught animals

Q.3 The emergent ray from a rectangular glass slab is:

- Ans
- ☒ A. Parallel to the incident ray
 - ☐ B. Bent towards the normal
 - ☐ C. Perpendicular to the incident ray
 - ☐ D. Bent away from the normal

Q.4 Which of the following processes occurs before fertilisation in sexually reproducing plants?

- Ans
- ☐ A. Embryo formation
 - ☐ B. Seed development
 - ☐ C. Fruit formation
 - ☒ D. Pollination

Q.5 Select the correct pair of example of 'sublimation'.

- Ans
- ☐ A. Dry ice and salt
 - ☐ B. Salt and camphor
 - ☒ C. Camphor and naphthalene
 - ☐ D. Sugar and naphthalene

Q.6 Growing wheat and mustard simultaneously on the same piece of land is an example of which of the following?

- Ans**
- ☒ A. Mixed cropping
 - ☐ B. Monoculture cropping
 - ☐ C. Crop rotation
 - ☐ D. Jhum cultivation

Q.7 Match the following synthetic indicators and colour changes.

Column A (Indicator) Column B (Colour Change)

- | | |
|---------------------------|--|
| A. Red litmus | 1. Turns blue in base |
| B. Blue litmus | 2. Turns red in acid |
| C. Phenolphthalein | 3. Colourless in acid, pink in base |
| D. Methyl orange | 4. Red in acid, yellow in base |

- Ans**
- ☒ A. A-1; B-2; C-3; D-4
 - ☐ B. A-4; B-3; C-2; D-1
 - ☐ C. A-2; B-1; C-3; D-4
 - ☐ D. A-3; B-4; C-1; D-2

Q.8 Which of the following statements is/are true when two different resistors R_1 and R_2 are connected in parallel to one another in a circuit?

- (i) The potential difference across each of them is same.
- (ii) The current through both of them will be the same.
- (iii) Their equivalent resistance is equal to $R_1 + R_2$.

- Ans**
- ☒ A. Only (i)
 - ☐ B. Only (ii)
 - ☐ C. Both (ii) and (iii)
 - ☐ D. Both (i) and (iii)

Q.9 Which method is used to extract metals that are high in the reactivity series?

- Ans**
- ☐ A. Heating with carbon
 - ☐ B. Roasting
 - ☐ C. Calcination
 - ☒ D. Electrolytic reduction

Q.10 As the chest cavity becomes larger, air is _____ into the lungs and fills the expanded _____.

- Ans**
- ☒ A. pulled; alveoli
 - ☐ B. forced; ribs
 - ☐ C. pushed; bronchi
 - ☐ D. absorbed; diaphragm

Q.11 Which of the following is the correct reason for constructing the ceilings of large halls in a curved shape?

- Ans**
- ☐ A. To reduce the overall height of the hall
 - ☒ B. To allow sound to distribute evenly in the hall
 - ☐ C. To reduce construction cost
 - ☐ D. To provide more storage space above the ceiling

Q.12 The slope of a distance-time graph represents the:

- Ans**
- ☐ A. acceleration of the object
 - ☐ B. distance covered
 - ☒ C. speed of the object
 - ☐ D. force on the object

Q.13 An object is placed at infinity in front of a concave mirror. Where is the image formed?

- Ans**
- ☐ A. Behind the mirror
 - ☒ B. At the principal focus (F)
 - ☐ C. At the pole (P)
 - ☐ D. At the centre of curvature (C)

Q.14 If the stamens of a flower are non-functional, which process will NOT be done?

- Ans**
- ☐ A. Ovule development
 - ☐ B. Bud protection
 - ☒ C. Pollen production
 - ☐ D. Fruit dispersal

Q.15 What is the atomic mass of magnesium?

- Ans**
- ☐ A. 14
 - ☐ B. 1
 - ☐ C. 6
 - ☒ D. 24

Q.16 A 100 W bulb is connected to a 220 V supply. The current through the bulb is approximately:

- Ans**
- ☐ A. 2.2 A
 - ☒ B. 0.45 A
 - ☐ C. 1.1 A
 - ☐ D. 0.91 A

Q.17 Which of the following natural phenomena CANNOT be explained by the Universal Law of Gravitation?

- Ans**
- ☒ A. Attraction between magnets
 - ☐ B. Revolution of the Moon around the Earth
 - ☐ C. Falling of an apple from a tree
 - ☐ D. Tides in the ocean

Q.18 Match the following body parts with the types of epithelial tissue found in them.

Body parts	Epithelial tissue
A. Kidney tubules	1. Stratified squamous epithelial
B. Surface of skin	2. Cuboidal epithelium
C. Lung alveoli	3. Ciliated columnar epithelium
D. Respiratory tract lining	4. Simple squamous epithelium

- Ans**
- ☐ A. A-1, B-2, C-3, D-4
 - ☒ B. A-2, B-1, C-4, D-3
 - ☐ C. A-2, B-3, C-4, D-1
 - ☐ D. A-4, B-2, C-3, D-1

Q.19 If an object's velocity changes uniformly over a period of time, how can the average velocity during that time be calculated?

- Ans**
- ☒ A. By taking the arithmetic mean of the initial and final velocities
 - ☐ B. By subtracting the initial velocity from the final velocity
 - ☐ C. By dividing the final velocity by the initial velocity
 - ☐ D. By adding the initial velocity to twice the final velocity

Q.20 Which two forms of energy are collectively known as mechanical energy?

- Ans**
- ☐ A. Chemical energy and Nuclear energy
 - ☐ B. Heat and Light energy
 - ☐ C. Electrical energy and Magnetic energy
 - ☒ D. Kinetic and Potential energy

Q.21 Which of the following is a displacement reaction?

- Ans**
- ☐ A. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
 - ☐ B. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
 - ☐ C. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
 - ☒ D. $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$

Q.22 How many carbon atoms are present in a benzene ring?

- Ans**
- ☐ A. 5
 - ☒ B. 6
 - ☐ C. 4
 - ☐ D. 8

Q.23 Who first observed the densely stained reticular structures near the nucleus, now known as Golgi bodies?

- Ans**
- ☐ A. Matthias Schleiden
 - ☒ B. Camillo Golgi
 - ☐ C. Anton van Leeuwenhoek
 - ☐ D. Robert Hooke

Q.24 Which of the following statements about evaporation is true?

- Ans**
- ☐ A. It occurs only at boiling point
 - ☐ B. It requires no heat
 - ☒ C. It occurs only at the surface of the liquid
 - ☐ D. It occurs throughout the liquid

Q.25 Which process involves the breakdown of uterine walls when the egg is NOT fertilised?

- Ans**
- ☐ A. Menopause
 - ☐ B. Fertilisation
 - ☐ C. Incubation
 - ☒ D. Menstruation

Section : Mathematics

Q.26 Ajeet got a new table at 20% discount. If Ajeet did not get any discount, Ajeet would have to pay ₹6,925 extra. So how much did Ajeet pay for the table?

- Ans**
- ☒ A. ₹27,700
 - ☐ B. ₹27,702
 - ☐ C. ₹27,701
 - ☐ D. ₹27,698

Q.27 If $\sin\theta = \frac{3}{5}$, what is the value of $\cos^2\theta$?

- Ans ☒ A. $\frac{16}{25}$
☐ B. $\frac{4}{5}$
☐ C. $\frac{3}{5}$
☐ D. $\frac{9}{25}$

Q.28 The Rajdhani Express and Garib Rath Express run in the same direction with speeds of 115 km/hr and 61 km/hr, respectively, and their lengths are the same. What is the length of the Rajdhani Express if it completely crosses the Garib Rath Express in 116 seconds?

- Ans ☒ A. 870 m
☐ B. 873 m
☐ C. 868 m
☐ D. 877 m

Q.29 The monthly incomes of two friends Mohan and David, are in the ratio 5 : 9, respectively, and each of them saves ₹48,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Mohan(in ₹).

- Ans ☒ A. 2,40,000
☐ B. 3,36,000
☐ C. 2,41,000
☐ D. 2,39,000

Q.30 A grandfather is five times as old as his grandson. In ten years, he will be only three times as old as his grandson would then be. If the grandfather's cousin is five years older than him, then how old was the cousin three years ago?

- Ans ☐ A. 54 years
☐ B. 51 years
☒ C. 52 years
☐ D. 55 years

Q.31 If $P : 14 :: 57 : 21$, then find the value of P.

- Ans ☐ A. 35
☐ B. 36
☐ C. 41
☒ D. 38

Q.32 Find the value of $(2x+3)^2 - (2x-3)^2 - 24x$

- Ans ☐ A. $4x$
☒ B. 0
☐ C. 1
☐ D. $2x$

Q.33 A dealer purchased an AC for ₹1,848. After allowing a discount of 58% on its marked price, he still gains 63%. Find the marked price of the AC.

- Ans ☐ A. ₹7,066
☐ B. ₹7,216
☒ C. ₹7,172
☐ D. ₹7,219

Q.34 Simplify $\sqrt{50} + \sqrt{8}$

- Ans
- ☐ A. $\sqrt{78}$
 - ☐ B. $\sqrt{58}$
 - ☐ C. $\sqrt{68}$
 - ☒ D. $\sqrt{98}$

Q.35 The amount on a sum of ₹3,200 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans
- ☒ A. ₹3,872
 - ☐ B. ₹3,189
 - ☐ C. ₹3,871
 - ☐ D. ₹4,648

Q.36 What is the least number that should be added to 517 so that the number obtained is exactly divisible by 15, 25 and 8?

- Ans
- ☒ A. 83
 - ☐ B. 86
 - ☐ C. 82
 - ☐ D. 81

Q.37 The sides of a triangle are 41 cm, 84 cm and 85 cm. What is the length of its altitude corresponding to the side with the length of 84 cm?

- Ans
- ☐ A. 20 cm
 - ☐ B. 14 cm
 - ☒ C. 40 cm
 - ☐ D. 24 cm

Q.38 The taxi charges in a city consist of a fixed charge together with the charge for the distance covered. For a distance of 20 km, the charge paid is ₹200 and for a distance of 25 km, the charge paid is ₹245. How much does a person have to pay for covering a distance of 1 km?

- Ans
- ☐ A. ₹27
 - ☐ B. ₹31
 - ☒ C. ₹29
 - ☐ D. ₹25

Q.39 A can do a piece of work in 12 days by working 6 hours per day. B can do the same work in 8 days by working 9 hours per day. If both work together $7\frac{1}{9}$ hours per day, then in how many days they can complete the work?

- Ans
- ☐ A. $5\frac{3}{4}$
 - ☒ B. $6\frac{3}{4}$
 - ☐ C. $5\frac{1}{4}$
 - ☐ D. $6\frac{1}{4}$

Q.40 P and Q together can fill a cistern with water in 14 hours. If P alone can fill the cistern with water in 28 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans** ☒ A. 15
☒ B. 7
☒ C. 14
☒ D. 8

Q.41 Find the mode of the given data 22, 16, 17, 49, 7, 16, 45, 17, 7, 6, 16



- Ans** ☒ A. 16
☒ B. 7
☒ C. 17
☒ D. 22

Q.42 If 50 litres of a mixture of milk and water contains 12% of water. How much water should be added to make the water 20% in the new mixture?

- Ans** ☒ A. 3 litres
☒ B. 6 litres
☒ C. 2 litres
☒ D. 5 litres

Q.43 How many seconds will a boy take to run one complete round around a square field of side 25 metres, if he runs at a speed of 3 km/hr?

- Ans** ☒ A. 130
☒ B. 110
☒ C. 120
☒ D. 100

Q.44 A shopkeeper buys a laptop for ₹40,000 and sells it for ₹45,000. What is the percentage profit made by the shopkeeper?

- Ans** ☒ A. 17.5%
☒ B. 12.5%
☒ C. 13.5%
☒ D. 10.5%

Q.45 If the radius of a sphere is 30 cm, then its surface area is:

- Ans** ☒ A. $3600 \pi \text{ cm}^2$
☒ B. $1800 \pi \text{ cm}^2$
☒ C. $3612 \pi \text{ cm}^2$
☒ D. $900 \pi \text{ cm}^2$

Q.46 The average price of three items of furniture is ₹16,650. If their prices are in the ratio 3 : 5 : 7, the price of the costliest item (in ₹) is:

- Ans** ☒ A. 9,990
☒ B. 7,770
☒ C. 23,310
☒ D. 5,550

Q.47 ₹7,085 is divided among X, Y and Z in such a way that if ₹92, ₹9 and ₹48 are deducted from their respective shares, they have money in the ratio 3:15:16. Find the difference between Y's and Z's original shares.

- Ans ☒ A. ₹243
☐ B. ₹254
☐ C. ₹104
☐ D. ₹54

Q.48 The sum of the first 21 prime numbers is:

- Ans ☒ A. 712
☐ B. 717
☐ C. 710
☐ D. 709

Q.49 The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 2% and savings increase by 22%, then by what percentage does her income increase?

- Ans ☐ A. 10%
☐ B. 3%
☒ C. 6%
☐ D. 2%

Q.50 The length, breadth and height of a cuboid are in the ratio $\frac{2}{3} : \frac{1}{4} : \frac{5}{6}$ the cuboid are increased by 25%, $33\frac{1}{3}\%$ and 40%, respectively, then how many times the volume of original cuboid?

- Ans ☐ A. 3 times
☐ B. $\frac{5}{3}$ times
☒ C. $\frac{7}{3}$ times
☐ D. $\frac{4}{3}$ times

Section : General Intelligence and Reasoning

Q.51 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

IHD 78 EDZ 87 AZV 96 WVR 105 ?

- Ans ☐ A. SBL 113
☐ B. SSM 114
☐ C. SQM 113
☒ D. SRN 114

Q.52 All 38 students in a class are standing in a row, facing north. Ayush is 16th from the right end while Meena is 21st from the left end. How many people stand between Ayush and Meena?

- Ans ☐ A. 0
☐ B. 3
☐ C. 2
☒ D. 1

Q.53 Each of the digits in the number 268745913 is arranged in ascending order from left to right. Which of the following digits will be third from the left in the new number thus formed?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☒ D. 3

Q.54 What should come in place of the question mark (?) in the given series?

6, 13, 21, 30, 40, ?

- Ans**
- ☐ A. 54
 - ☐ B. 53
 - ☐ C. 52
 - ☒ D. 51

Q.55 This question is based on the five, three-digit numbers given below.

(Left) 756 325 685 458 359 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 11
 - ☐ B. 12
 - ☐ C. 13
 - ☐ D. 10

Q.56 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 letter-cluster pair 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. HK – DP
 - ☐ B. KM – HR
 - ☐ C. QC – NH
 - ☐ D. EW – BB

Q.57 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 6 4 9 2 3 2 7 7 9 8 3 8 7 9 9 9 7 9 5 8 9 9 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. None
 - ☒ B. Three
 - ☐ C. Two
 - ☐ D. One

- Q.58** 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:

All pans are cups.
All cups are bottles.
Some cups are mugs.

Conclusions:

(I) Some bottles are mugs.
(II) Some pans are mugs.

- 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.59** Umesh starts from Point Y and drives 83 km towards south. He then takes a left turn, drives 31 km, turns left and drives 45 km. He then takes a left turn and drives 55 km. He takes a right turn, drives 38 km. He then turns left, drives 16 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

- Ans** ☒ A. 41 km towards west
☒ B. 43 km towards west
☒ C. 40 km towards east
☒ D. 38 km towards east

- Q.60** If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 24583671, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans** ☒ A. 12
☒ B. 13
☒ C. 11
☒ D. 10

- Q.61** A, B, C, D, E, and L are sitting around a circular table facing the centre. Only two people are sitting between A and B when counted from the left of B. C is sitting to the immediate right of A. D is an immediate neighbour of both E and B. Who are the immediate neighbours of C?

- Ans** ☒ A. B and L
☒ B. A and E
☒ C. E and L
☒ D. L and A

- Q.62** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 4 5 8 3 9 6 5 7 3 9 1 4 2 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans** ☒ A. Three
☒ B. More than three
☒ C. Two
☒ D. One

Q.63 What should come in place of the question mark (?) in the given series?

7 9 12 17 26 ?

- Ans** ☒ A. 43
☐ B. 40
☐ C. 48
☐ D. 45

Q.64 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 1 4 3 6 2 7 9 6 5 1 1 7 7 3 2 5 5 3 6 6 5 6 2 1 9 1 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 7
☐ B. 8
☒ C. 6
☐ D. 5

Q.65 Which numbers should come in place of the question marks (?) in the same sequence to make the series logically complete?

101 103 ? 107 109 ?

- Ans** ☐ A. 105 and 113, respectively
☒ B. 105 and 111, respectively
☐ C. 107 and 111, respectively
☐ D. 105 and 101, respectively

Q.66 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CJT : FLU
EIM : HKN

- Ans** ☒ A. NPT:QRU
☐ B. BSR:ODU
☐ C. ZOT:FSA
☐ D. NPR:VCX

Q.67 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate left of D. C sits third to the left of E. C is an immediate neighbour of D. F sits to the immediate left of B. How many people sit between E and F?

- Ans** ☐ A. Two
☐ B. None
☒ C. One
☐ D. Three

Q.68 Ridam starts from Point A and drives 45 km towards East. He then takes a right turn, drives 48 km, turns right and drives 51 km. He then takes a right turn and drives 63 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. 16 km to the north
☒ B. 15 km to the South
☐ C. 17 km to the north
☐ D. 14 km to the South

Q.69 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$88 - 36 \times 9 + 4 \div 3 = ?$$

- Ans**
- ☒ A. 80
 - ☐ B. 90
 - ☐ C. 70
 - ☐ D. 75

Q.70 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:

All golds are hives.

No hive is a cow.

Conclusions:

(I): No gold is a cow.

(II): Some cows are hives.

- 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.71 E, F, G, H, P, Q, and R, are sitting around a circular table facing the centre. Only three people sit between H and R when counted from the right of R. Q sits second to the left of R. G sits fourth to the right of Q. F is an immediate neighbour of Q. P is NOT an immediate neighbour of H. Who sits second to the right of P?

- Ans**
- ☐ A. Q
 - ☒ B. E
 - ☐ C. F
 - ☐ D. G

Q.72 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

MV-OX-QS

OX-QZ-SU

- Ans**
- ☐ A. LT-MU-OR
 - ☐ B. KT-MV-OR
 - ☒ C. KT-MV-OQ
 - ☐ D. LT-MV-OR

Q.73 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BAN EDQ HGT KJW ?

- Ans**
- ☐ A. NZM
 - ☐ B. NMJ
 - ☐ C. NMH
 - ☒ D. NMZ

Q.74 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. EJLP
 - ☐ B. QVXB
 - ☐ C. VACG
 - ☒ D. TYBF

Q.75 In a certain code language, 'bow elk door' is coded as 'xz vo ts' and 'door mug blue' is coded as 'zj xz hf'. How is 'door' coded in the given language?

- Ans**
- ☐ A. vo
 - ☐ B. ts
 - ☒ C. xz
 - ☐ D. zj

Q.76 All 35 students in a class are standing in a row, facing north. Veer is 14th from the right end, while Maya is 20th from the left end. How many people stand between Veer and Maya?

- Ans**
- ☐ A. 3
 - ☐ B. 2
 - ☒ C. 1
 - ☐ D. 0

Q.77 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ADG : CFI
FLR : HNT

- Ans**
- ☐ A. MDR : SEI
 - ☐ B. NDR : FTS
 - ☐ C. VES : TEY
 - ☒ D. KEQ : MGS

Q.78 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A & B means 'A is the father of B'.

How is T related to M if 'T + O - R x N & M'?

- Ans**
- ☐ A. Mother's brother
 - ☐ B. Mother's sister's son
 - ☒ C. Mother's brother's son
 - ☐ D. Brother's son

Q.79 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(42, 14, 13.8)

(54, 18, 17.8)

- Ans**
- ☒ A. (213, 71, 69.8)
 - ☒ B. (255, 85, 83.8)
 - ☒ C. (63, 21, 20.8)
 - ☒ D. (126, 42, 40.8)

Q.80 In a certain code language, 'TMCB' is coded as '76' and 'GKIR' is coded as '90'. What is the code for 'VAPD' in that language?

- Ans**
- ☒ A. 91
 - ☒ B. 80
 - ☒ C. 88
 - ☒ D. 86

Section : General Awareness and Current Affairs

Q.81 Where was the first edition of the 'Rising North East' Investors Summit, 2025, held?

- Ans**
- ☒ A. Guwahati
 - ☒ B. New Delhi
 - ☒ C. Mumbai
 - ☒ D. Kolkata

Q.82 Which of the following national parks emerged as one of the two top-performing protected areas in India, earning a Management Effectiveness Evaluation (MEE) score of 92.97%, in the assessment conducted by the Wildlife Institute of India in June 2025?

- Ans**
- ☒ A. Dachigam National Park
 - ☒ B. Great Himalayan National Park
 - ☒ C. Ranthambore National Park
 - ☒ D. Nanda Devi National Park

Q.83 Where was the 2025 AAU Sullivan Award ceremony held?

- Ans**
- ☒ A. Los Angeles Convention Center
 - ☒ B. Washington DC
 - ☒ C. Chicago Athletic Club
 - ☒ D. New York Athletic Club

Q.84 What is the significance of the 'R2 License' granted to Valueattics Reinsurance by the Insurance Regulatory and Development Authority of India (IRDAI) in March 2025?

- Ans**
- ☒ A. Preliminary approval to begin banking operations
 - ☒ B. Regulatory clearance to acquire foreign branches
 - ☒ C. License to sell retail insurance policies directly
 - ☒ D. Approval to commence reinsurance business

Q.85 As of May 2025, what is the maximum FDI allowed through the Automatic Route in India's defense sector for companies seeking new industrial licenses?

- Ans**
- ☐ A. 49%
 - ☐ B. 100%
 - ☒ C. 74%
 - ☐ D. 51%

Q.86 'Agnibaan - SOrTeD' (Sub-Orbital Technology Demonstrator) was launched on 30 May 2024 from India's first private launch pad called _____, established by Agnikul.

- Ans**
- ☐ A. Kawach
 - ☒ B. Dhanush
 - ☐ C. Prithvi
 - ☐ D. Taramandal

Q.87 Which Grand Prix was won by Max Verstappen in 2025?

- Ans**
- ☒ A. Japan
 - ☐ B. China
 - ☐ C. Bahrain
 - ☐ D. Spain

Q.88 Which of the following states launched a flood-hazard zonation atlas as part of new disaster tools in mid-June 2025?

- Ans**
- ☐ A. Karnataka
 - ☒ B. Assam
 - ☐ C. Bihar
 - ☐ D. Kerala

Q.89 Where and when were the 2025 Juno Awards hosted?

- Ans**
- ☒ A. Vancouver, March 30
 - ☐ B. Ottawa, March 25
 - ☐ C. Montreal, May 5
 - ☐ D. Toronto, April 15

Q.90 Under which Article of the Indian Constitution has the Appropriation Bill (No.2), 2025, been passed in Parliament?

- Ans**
- ☐ A. Article 118
 - ☒ B. Article 114
 - ☐ C. Article 119
 - ☐ D. Article 117

Q.91 In the Global Innovation Index, 2025, India ranked first among which group of economies?

- Ans**
- ☒ A. Lower-middle income economies
 - ☐ B. High-income economies
 - ☐ C. Least developed economies
 - ☐ D. Upper-middle income economies

Q.92 In 2025, which of the following cities hosted the 5th edition of Lok Samvardhan Parv organised by the Ministry of Minority Affairs?

- Ans**
- ☐ A. Lucknow, Uttar Pradesh
 - ☒ B. Kochi, Kerala
 - ☐ C. Bhopal, Madhya Pradesh
 - ☐ D. Jaipur, Rajasthan

- Q.93** Which of the following revolutionary books was authored by Veer Savarkar in 1923, whose birth anniversary was commemorated on 28th May 2025?
- Ans** ☐ A. My Experiments with Truth
☐ B. The Discovery of India
☒ C. Hindutva: Who is a Hindu?
☐ D. India Wins Freedom
- Q.94** What was the agriculture growth rate forecast for India in FY 2025 as per the Economic Survey 2024-25, released in January 2025?
- Ans** ☐ A. 2.5%
☐ B. 5.2%
☒ C. 3.8%
☐ D. 4.5%
- Q.95** Which of the following initiatives supports athletes' training for Olympics and Paralympics as of 2025?
- Ans** ☐ A. National Sports Fund
☒ B. Target Olympic Podium Scheme
☐ C. Go and Play scheme
☐ D. Come and Play Scheme
- Q.96** Which veteran Indian actor-director, known as 'Bharat Kumar' for his patriotic films, passed away on 4 April 2025?
- Ans** ☐ A. Amitabh Bachchan
☐ B. Dilip Kumar
☒ C. Manoj Kumar
☐ D. Rajesh Khanna
- Q.97** What was the estimated loss of revenue to the government of Delhi due to the Liquor Policy Scam as per CAG report of 2025?
- Ans** ☐ A. ₹5,000 crores
☐ B. ₹10,000 crores
☐ C. ₹20,000 crores
☒ D. ₹2,000 crores
- Q.98** The Greenhouse Gases Emission Intensity Target Rules, 2025, targets the specify values for which of the following compliance years?
- Ans** ☐ A. 2026-27 and 2027-28
☐ B. 2030-31 and 2035-36
☐ C. 2027-28 and 2028-29
☒ D. 2025-26 and 2026-27
- Q.99** The Indian Council of Arbitration (ICA) convened a Symposium-cum-Roundtable on 'Bridging Markets, Resolving Disputes via ADR in the India-Singapore Corridor' during which event?
- Ans** ☐ A. India Legal Week 2025
☐ B. International Arbitration Summit 2025
☒ C. Singapore Convention Week 2025
☐ D. Mediation Week 2025

Q.100 Where was the second phase of the Khelo India Winter Games, 2025, held?

- Ans**
- ☐ A. Auli, Uttarakhand
 - ☐ B. Zaskar Valley, Ladakh
 - ☐ C. Leh, Ladakh
 - ☒ D. Gulmarg, Jammu and Kashmir



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Tupudana
Test Date	08/01/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Unsaturated carbons are _____ than the saturated carbon compounds.

- Ans
- ☒ A. More saturated
 - ☒ B. Less reactive
 - ☒ C. More reactive
 - ☒ D. Equally reactive

Q.2 What type of gas is released when ethanol reacts with sodium?

- Ans
- ☒ A. Carbon dioxide
 - ☒ B. Hydrogen
 - ☒ C. Oxygen
 - ☒ D. Methane

Q.3 What is the primary reason that the testes are located outside the abdominal cavity in the scrotum?

- Ans
- ☒ A. To reduce the risk of infection
 - ☒ B. To facilitate easier hormone secretion
 - ☒ C. To allow proper mixing of sperm and urine
 - ☒ D. To facilitate sperm formation as it requires a lower temperature than body temperature

Q.4 Match the Following Substances and Their Ions.

Column A (Substance) Column B (Ions Produced)

- | | |
|-----------------------------|---|
| A. HCl | 1. H_3O^+ and Cl^- |
| B. NaOH | 2. Na^+ and OH^- |
| C. KOH | 3. K^+ and OH^- |
| D. $\text{Mg}(\text{OH})_2$ | 4. Mg^{2+} and 2OH^- |

- Ans
- ☒ A. A-3; B-4; C-1; D-2
 - ☒ B. A-4; B-3; C-2; D-1
 - ☒ C. A-2; B-1; C-4; D-3
 - ☒ D. A-1; B-2; C-3; D-4

Q.5 Due to the continuous random movement of the gas particles, the particles collide with the walls of the container. The pressure exerted by the gas is equal to the:

- Ans**
- ☐ A. force exerted by the gas particles on the walls of the container
 - ☒ B. force exerted by the gas particles per unit area on the walls of the container
 - ☐ C. force exerted by the gas particles per unit area of the bottom of the container
 - ☐ D. force exerted by the gas particles per unit volume of the container

Q.6 How does the weight of an object on the Moon compare to its weight on Earth?

- Ans**
- ☐ A. It is the same as that on Earth.
 - ☐ B. It is six times of its weight on Earth.
 - ☒ C. It is one-sixth of its weight on Earth.
 - ☐ D. It is one-third of its weight on Earth.

Q.7 Why is practicing safe sex important for reproductive health?

- Ans**
- ☐ A. It ensures hormonal balance in the body
 - ☐ B. It guarantees pregnancy
 - ☒ C. It prevents sexually transmitted diseases like HIV-AIDS
 - ☐ D. It increases fertility

Q.8 When an object is placed beyond the centre of curvature (C) of a concave mirror, the image formed is:

- Ans**
- ☐ A. virtual, erect and larger than the object
 - ☐ B. virtual, inverted and larger than the object
 - ☒ C. real, inverted and smaller than the object
 - ☐ D. real, erect and same size as object

Q.9 Why do we continue to breathe even when we are sitting or sleeping?

- Ans**
- ☐ A. To make breathing movements
 - ☐ B. To let digestion go on
 - ☒ C. To supply oxygen for life processes
 - ☐ D. To give rest to the heart

Q.10 What is/are the general product(s) of the reaction between a non-metallic oxide and a base?

- Ans**
- ☒ A. Salt and water
 - ☐ B. Gas and water
 - ☐ C. Salt and hydrogen
 - ☐ D. Water only

Q.11 Which of the following is the smallest alkane that can form a stable ring?

- Ans**
- ☐ A. Ethane
 - ☒ B. Cyclopropane
 - ☐ C. Methane
 - ☐ D. Propane

Q.12 If the distance covered is halved and time remains the same, the linear velocity becomes _____.

- Ans**
- ☐ A. Zero
 - ☐ B. Same
 - ☐ C. Double
 - ☒ D. Half

Q.13 Which of the following is an example of an object in uniform circular motion?

- Ans**
- ☒ A. A satellite orbiting Earth at a constant speed
 - ☐ B. A car moving on a crowded street
 - ☐ C. A person jogging in a park
 - ☐ D. A train moving on a straight track at varying speeds

Q.14 Which of the following statements is NOT correct?

- Ans**
- ☐ A. Sound travels faster in water than in air.
 - ☐ B. Sound travels fastest in solids.
 - ☐ C. Sound travels slower in gases than in liquids.
 - ☒ D. Sound can travel through vacuum.

Q.15 The point on the principal axis where rays parallel to the principal axis converge (or appear to diverge) after reflection from a mirror is called which of the following?

- Ans**
- ☒ A. Principal focus
 - ☐ B. Centre of curvature
 - ☐ C. Aperture
 - ☐ D. Pole

Q.16 Which of the following is usually connected in series in a domestic circuit?

- Ans**
- ☐ A. Fan
 - ☒ B. Main fuse
 - ☐ C. All appliances
 - ☐ D. Electric bulb

Q.17 What will be the potential energy of a block of mass 30 kg kept at a height of 20 m?

(Take the value of $g = 10 \text{ m/s}^2$)

- Ans**
- ☒ A. 6000 J
 - ☐ B. 60 J
 - ☐ C. 600 J
 - ☐ D. 6 J

Q.18 Which term describes the closeness of particles in solids?

- Ans**
- ☐ A. Rigidity
 - ☐ B. Density
 - ☒ C. Inter-particle space
 - ☐ D. Compressibility

Q.19 The emergence of a new plant from a seed under favourable environmental conditions is termed as _____.

- Ans**
- ☐ A. fertilisation
 - ☒ B. germination
 - ☐ C. pollination
 - ☐ D. photosynthesis

Q.20 Why do we feel cool when sweat evaporates from our skin?

- Ans**
- ☐ A. Sweat turns into ice before evaporation.
 - ☐ B. Sweat forms crystals that cool the skin.
 - ☐ C. Sweat releases heat during evaporation.
 - ☒ D. Sweat absorbs heat from our skin to evaporate.

Q.21 Which of the following is a part of the central nervous system of our body?

- Ans**
- ☐ A. Pancreas
 - ☐ B. Stomach
 - ☐ C. Liver
 - ☒ D. Spinal cord

Q.22 In multicellular organisms like humans, digestion occurs in:

- Ans**
- ☒ A. specialised digestive organs
 - ☐ B. entire cell surface
 - ☐ C. nucleus
 - ☐ D. food vacuoles

Q.23 How much current will flow through a resistor of $20\ \Omega$ when a potential difference of 40 V is applied across it?

- Ans**
- ☐ A. 1/5 A
 - ☐ B. 1/2 A
 - ☒ C. 2 A
 - ☐ D. 5 A

Q.24 What is the main structural component of the plant cell wall?

- Ans**
- ☒ A. Cellulose
 - ☐ B. Chitin
 - ☐ C. Collagen
 - ☐ D. Peptidoglycan

Q.25 A farmer stores grains from his crop yield in a damp and warm room. After a few weeks, the grains get spoiled and their quantity reduces. What is the most likely reason for this?

- Ans**
- ☒ A. Improper storage conditions
 - ☐ B. Grains got washed away with water
 - ☐ C. Grains were eaten by birds and insects
 - ☐ D. Poor irrigation before harvesting

Section : Mathematics

Q.26 A person covers half the distance of a journey at 60 km/h and the other half at 30 km/h. What is the average speed for the entire journey?

- Ans**
- ☐ A. 50 km/h
 - ☐ B. 45 km/h
 - ☐ C. 55 km/h
 - ☒ D. 40 km/h

Q.27 What is the mode of the following data?

55, 45, 44, 48, 42, 45, 52, 53, 42, 50, 54, 49, 52, 45, 47, 43, 45, 48

- Ans**
- ☐ A. 55
 - ☐ B. 44
 - ☐ C. 48
 - ☒ D. 45

Q.28 A tank has three pipes: A, B and C. Pipe A fills the tank in 4 hours, Pipe B fills it in 6 hours and Pipe C empties it in 12 hours. If the three pipes are opened alternatively for 1 hour each (A first, then B, then C), how long will it take to fill the tank?

- Ans
- ☐ A. 11 hours
 - ☒ B. $7\frac{1}{2}$ hours
 - ☐ C. 9 hours
 - ☐ D. $10\frac{2}{3}$ hours

Q.29 Simplify: $\sqrt{\sqrt{24^2 - 16^2 + 2^2} + \sqrt{2^2 \times 3^2} + \sqrt{169}}$

- Ans
- ☒ A. 5
 - ☐ B. 3
 - ☐ C. 7
 - ☐ D. 2

Q.30 A person saves 50% of his income. If his expenditure is ₹360, then his income (in ₹) is:

- Ans
- ☒ A. 720
 - ☐ B. 760
 - ☐ C. 180
 - ☐ D. 800

Q.31 Find the value of $\sec^2 50^\circ - \tan^2 50^\circ$.

- Ans
- ☐ A. 0.5
 - ☒ B. 1
 - ☐ C. 0
 - ☐ D. 2

Q.32 The amount on a sum of ₹1,800 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans
- ☐ A. ₹3,118
 - ☐ B. ₹2,506
 - ☒ C. ₹2,178
 - ☐ D. ₹2,820

Q.33 In an election, 70% of the total voters cast their votes. Out of these, 60% voted for candidate X and the remaining voted for candidate Y. If candidate Y received 8400 votes, calculate the total number of registered voters.

- Ans
- ☒ A. 30,000
 - ☐ B. 40,000
 - ☐ C. 32,000
 - ☐ D. 25,000

Q.34 If 10% of 20% of $\frac{4}{7}$ of a number is 648, find the number.

- Ans
- ☐ A. 60230
 - ☐ B. 57140
 - ☒ C. 56700
 - ☐ D. 57580

Q.35 A store is offering 'Buy 5, get 16 free' on household items. What is the net percentage discount (approximately) being offered by the store?

- Ans**
- ☒ A. 78.42%
 - ☒ B. 74.52%
 - ☒ C. 76.19%
 - ☒ D. 74.24%

Q.36 A mother is 25 years older than her daughter. In 15 years, the mother will be twice as old as the daughter. Find the daughter's current age.

- Ans**
- ☒ A. 10 years
 - ☒ B. 20 years
 - ☒ C. 25 years
 - ☒ D. 35 years

Q.37 Solve:
$$\frac{9.73 \times 9.73 \times 9.73 + 7.27 \times 7.27 \times 7.27}{9.73 \times 9.73 - 9.73 \times 7.27 + 7.27 \times 7.27}$$

- Ans**
- ☒ A. 18
 - ☒ B. 16
 - ☒ C. 17
 - ☒ D. 15

Q.38 P and Q together can fill a cistern with water in 6 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☒ A. 3
 - ☒ B. 4
 - ☒ C. 6
 - ☒ D. 7

Q.39 If the radius of a sphere is increased by 25%, find the percentage increase in its surface area.

- Ans**
- ☒ A. 38.15%
 - ☒ B. 42.36%
 - ☒ C. 56.25%
 - ☒ D. 50.48%

Q.40 If the mean of 25, 29, 25, 32, 24 and x is 26, then the median of the data is:

- Ans**
- ☒ A. 29
 - ☒ B. 24
 - ☒ C. 27
 - ☒ D. 25

Q.41 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 65^\circ$. E is a point on BC such that $\angle CAE = 30^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☒ A. 56°
 - ☒ B. 50°
 - ☒ C. 53°
 - ☒ D. 55°

Q.42 Find the greatest number that divides 1005, 244 and 1343, leaving the remainders 5, 4 and 3, respectively.

- Ans** ☒ A. 20
☒ B. 15
☒ C. 30
☒ D. 25

Q.43 If the number $2X73Y5$ is divisible by 11, then find the value of $(X-Y)$.

- Ans** ☒ A. 3
☒ B. 5
☒ C. 1
☒ D. 6

Q.44 A basket contains 96 fruits consisting of mangoes and oranges. If there are 48 more mangoes than oranges, how many mangoes are there?

- Ans** ☒ A. 88
☒ B. 72
☒ C. 64
☒ D. 96

Q.45 If the area of a square is 15.21 cm^2 , then the perimeter (in cm) of the square is:

- Ans** ☒ A. 15.6
☒ B. 16.5
☒ C. 12.4
☒ D. 13.8

Q.46 Poonam sold a book to Mohini at a loss of 5% and Mohini sold it to Rupashi at a profit of 8%. If Rupashi bought the book for ₹1,539, then what was the cost price (in ₹) of the book for Poonam?

- Ans** ☒ A. 1,500
☒ B. 1,550
☒ C. 1,600
☒ D. 1,650

Q.47 The average speed of a car running at 70 km/hr for 1 hour and 'p' hr



- Ans** ☒ A. 70
☒ B. 67.5
☒ C. 50
☒ D. 62.5

Q.48 If 896 bananas were distributed among three monkeys, respectively, in



- Ans** ☒ A. 335
☒ B. 338
☒ C. 334
☒ D. 336

Q.49 The ratio of 38 hours to 2 days is equivalent to what?

Ans ☒ A. 12:19

☒ B. 19:24

☒ C. 21:27

☒ D. 22:27

Q.50 A retailer offers the given discount schemes for buyers on an article. Which of the following schemes will be least beneficial to the customer?

i. A discount of 34%

ii. A discount of 37% followed by a discount of 8%

iii. Successive discounts of 7% and 27%

Ans ☒ A. Both scheme ii and scheme iii

☒ B. Scheme i

☒ C. Scheme iii

☒ D. Scheme ii

Section : General Intelligence and Reasoning

Q.51 Seven boxes L, M, N, O, Q, R and S are kept one over the other but not necessarily in the same order. M is kept second from the bottom. Only one box is kept between M and N. Only three boxes are kept between M and S where S is kept above M. L is kept immediately below S. Q is kept at one of the places above O. R is not kept immediately above or below M. How many boxes are kept below O?

Ans ☒ A. One

☒ B. Two

☒ C. Three

☒ D. Zero

Q.52 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the right of G. Only three people sit between G and D. Only two people sit between D and C. E sits third to the left of F. B sits to the immediate right of F. How many people sit to the right of C?

Ans ☒ A. 1

☒ B. 4

☒ C. 2

☒ D. 3

Q.53 Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 3 6 8 9 1 5 7 3 2 4 6 1 9 7 8 2 5 3 9 6 1 4 2 7 (Right)

How many unique even digits are there in the series?

Ans ☒ A. Two

☒ B. Three

☒ C. None

☒ D. Four

Q.54 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:

All hammers are screwdrivers.
No screwdrivers are wrenches.
Some wrenches are pliers.

Conclusions:

(I): No hammers are wrenches.
(II): No pliers are screwdrivers.

- Ans**
- ☒ A. Neither conclusion (I) nor (II) is true
 - ☒ B. Both conclusions (I) and (II) are true
 - ☒ C. Only conclusion (II) is true
 - ☒ D. Only conclusion (I) is true

Q.55 TM 13 is related to WR 16 in a certain way. In the same way, MF 18 is related to PK 21. To which of the given options is QJ 26 related, following the same logic?

- Ans**
- ☒ A. TO 29
 - ☒ B. UP 29
 - ☒ C. TM 28
 - ☒ D. UM 28

Q.56 Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. Only U is kept above D. Only V is kept between D and F. No box is kept below E. Only three boxes are kept between D and W. How many boxes are kept between X and E?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.57 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only one person sits between E and A when counted from the left of A. B sits third to the right of C. D sits third to the left of F. B sits to the immediate right of D. G is not an immediate neighbour of D. How many people sit between C and F when counted from the right of F?

- Ans**
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 4

Q.58 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ELP : CJN
IQW : GOU

- Ans**
- ☒ A. BTD : VRY
 - ☒ B. NRT : FSE
 - ☒ C. HWZ : FUX
 - ☒ D. BTS : AWP

Q.59 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$96 + 15 \div 5 - 154 \times 14 = ?$$

- Ans**
- ☒ A. 29
 - ☒ B. 32
 - ☒ C. 30
 - ☒ D. 34

Q.60 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YVW 58 VST 69 SPQ 80 PMN 91 ?

- Ans**
- ☒ A. MKJ 102
 - ☒ B. MRX 101
 - ☒ C. MIJ 101
 - ☒ D. MJK 102

Q.61 This question is based on the five, three-digit numbers given below.

(Left) 351 369 458 517 619 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

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

Q.62 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K-T+RxZ&V'?

- Ans**
- ☒ A. Husband
 - ☒ B. Brother
 - ☒ C. Son
 - ☒ D. Father

Q.63 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?

$$9 B 3 D 56 A 4 C 6 = ?$$

- Ans**
- ☒ A. 19
 - ☒ B. 24
 - ☒ C. 15
 - ☒ D. 27

Q.64 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 letter-cluster pair 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. HE-FF
☐ B. MJ-LI
☐ C. XU-WT
☐ D. OL-NK

Q.65 In a certain code language, 'nice large land' is coded as 'cd ak pi', 'land is fertile' is coded as 'rf pc ak' and 'cost is high' is coded as 'si ig pc'. How is 'fertile' coded in that language?

- Ans** ☒ A. rf
☐ B. pc
☐ C. cd
☐ D. ak

Q.66 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 37, 53)
(40, 52, 68)

- Ans** ☐ A. (9, 21, 33)
☒ B. (26, 38, 54)
☐ C. (39, 27, 43)
☐ D. (32, 44, 28)

Q.67 A, B, C, D, E and F are sitting around a circular table facing the centre. B sits second to the left of D. F is an immediate neighbour of A. B sits to the immediate right of A. C sits second to the left of E. What is the position of C with respect to A?

- Ans** ☐ A. Immediate right
☐ B. Third to the left
☒ C. Second to the right
☐ D. Second to the left

Q.68 Building X is to the south of Building Y and Building Z is to the east of Building Y. In which direction Building X is located with respect to Building Z?

- Ans** ☐ A. North-East
☐ B. South-East
☐ C. North-West
☒ D. South-West

Q.69 What should come in place of the question mark (?) in the given series?

57 67 82 102 127 ?

- Ans** ☐ A. 156
☐ B. 159
☒ C. 157
☐ D. 158

Q.70 In a certain code language, VERL is coded as 102 and GZQT is coded as 76. What is the code for BXNO in that language?

- Ans**
- ☒ A. 110
 - ☒ B. 89
 - ☒ C. 106
 - ☒ D. 96

Q.71 Tarun starts from Point A and drives 65 km towards east. He then takes a left turn, drives 42 km, turns left and drives 78 km. He then takes a left turn and drives 71 km. He takes a final left turn, drives 13 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 degrees turns only unless specified)

- Ans**
- ☒ A. 27 km to the south
 - ☒ B. 26 km to the south
 - ☒ C. 29 km to the north
 - ☒ D. 28 km to the north

Q.72 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 chromium are gallium.
No gallium are gold.
All gold are steel.

Conclusions:

I: Some gold are gallium.
II: Some gallium are steel.

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

Q.73 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 2 4 5 7 1 9 3 6 8 4 7 2 5 9 3 1 8 6 2 4 7 9 (Right)

How many unique numbers in the series are less than 5 (each number counted only once, regardless of repetitions)?

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. One
 - ☒ D. Two

Q.74 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FRU HTW JVV LXA ?

- Ans**
- ☒ A. NCZ
 - ☒ B. NDS
 - ☒ C. NZC
 - ☒ D. NZS

Q.75 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 letter-cluster pair 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. MQ - LP
☒ B. OS - NS
☒ C. IM - HL
☒ D. LP - KO

Q.76 JPUG is related to OLXE in a certain way. In the same way, TMQK is related to YITI. To which of the following is NOLT related, following the same logic?

- Ans ☒ A. TJPQ
☒ B. SKOR
☒ C. TJOQ
☒ D. SKPR

Q.77 Refer to the given number, symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) 4 © 7 # 3 \$ 7 6 4 £ 8 \$ 2 * £ & \$ # % 1 * 2 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans ☒ A. 1
☒ B. 0
☒ C. 3
☒ D. 2

Q.78 What should come in place of the question mark (?) in the given series?

34 44 57 73 92 ?

- Ans ☒ A. 116
☒ B. 114
☒ C. 118
☒ D. 112

Q.79 What should come in place of the question mark (?) in the given series?

5 8 14 26 ? 98

- Ans ☒ A. 45
☒ B. 51
☒ C. 50
☒ D. 49

Q.80 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$20 \times 2 \div 2 - 3 + 7 = ?$

- Ans ☒ A. 5
☒ B. 14
☒ C. 11
☒ D. 9

Q.81 'Gyan Seepiyan: Pearls of Wisdom', launched at the Jaipur Literature Festival in January 2025, is written by which author?

- Ans**
- ☐ A. Sudha Murthy
 - ☐ B. Harsha Dehejia
 - ☒ C. Javed Akhtar
 - ☐ D. Benoy K Behl

Q.82 In which district of Arunachal Pradesh did the Union Sports Minister Mansukh Mandaviya inaugurate a new multi-purpose Khelo India Hall in May 2025?

- Ans**
- ☐ A. Lower Subansiri District
 - ☒ B. Kamle District
 - ☐ C. East Siang District
 - ☐ D. Papum Pare District

Q.83 In March 2025, the Ministry of Environment, Forest and Climate Change conducted a national-level workshop on the National Adaptation Plan on Climate Change at _____.

- Ans**
- ☐ A. Mumbai
 - ☐ B. Bengaluru
 - ☐ C. Lucknow
 - ☒ D. New Delhi

Q.84 In January 2025, which of the following expanded its Sandbox Framework to support innovation in the insurance sector?

- Ans**
- ☐ A. Reserve Bank of India (RBI)
 - ☐ B. Securities and Exchange Board of India (SEBI)
 - ☐ C. Ministry of Corporate Affairs (MCA)
 - ☒ D. Insurance Regulatory and Development Authority of India (IRDAI)

Q.85 Which first-time MP from Thane was named a Sansad Ratna Award recipient in 2025?

- Ans**
- ☒ A. Naresh Mhaske
 - ☐ B. Arvind Sawant
 - ☐ C. Rahul Shewale
 - ☐ D. Dr. Varsha Gaikwad

Q.86 Which of the following is a drone-launched precision-guided missile successfully test-fired by the Defence Research and Development Organisation (DRDO) at a test range in Andhra Pradesh in July 2025?

- Ans**
- ☐ A. Nirbhay-V3
 - ☒ B. ULPGM-V3
 - ☐ C. Astra Mk-II
 - ☐ D. Agni-P

Q.87 In November 2025, which key labour benefit was ensured for beedi and cigar workers under new labour reforms?

- Ans**
- ☐ A. Labour Protection Scheme
 - ☐ B. Employment Safety Code
 - ☐ C. Worker Welfare Act
 - ☒ D. Minimum Wage Guarantee

Q.88 In November 2025, which of the following government bodies expressed serious concern over Delhi's deteriorating air quality, stating that even wearing masks had become ineffective?

- Ans**
- ☐ A. Delhi High Court
 - ☐ B. Ministry of Health and Family Welfare
 - ☒ C. Supreme Court of India
 - ☐ D. Ministry of Home Affairs

Q.89 In which forest region of Kerala were seven new moth species recorded for the first time in 2025 by a team of entomologists?

- Ans**
- ☐ A. Silent Valley
 - ☐ B. Periyar Tiger Reserve
 - ☐ C. Wayanad Wildlife Sanctuary
 - ☒ D. Ranipuram forest

Q.90 Which Constitutional Articles did earlier Supreme Court judgements connect manual scavenging to, as a violation in February 2025?

- Ans**
- ☐ A. Articles 12 and 20
 - ☐ B. Articles 15 and 16
 - ☒ C. Articles 17 and 21
 - ☐ D. Articles 22 and 32

Q.91 Where in Andhra Pradesh was the Rajiv Sports Complex, developed by Greater Visakhapatnam Municipal Corporation (GVMC), inaugurated in June 2025?

- Ans**
- ☐ A. Kollam
 - ☐ B. Uttam Nagar
 - ☒ C. Gajuwaka
 - ☐ D. Dwaraka Nagar

Q.92 Who set a new world record in the men's 89 kg weightlifting category by lifting 224 kg in the clean and jerk at the 2024 Olympics?

- Ans**
- ☐ A. Simon Martirosyan
 - ☐ B. Li Fabin
 - ☐ C. Akbar Djuraev
 - ☒ D. Karlos Nasar

Q.93 Which institution's researchers developed smart peptides for pH-responsive medical applications in June 2025?

- Ans**
- ☒ A. BIT Mesra
 - ☐ B. IIT Delhi
 - ☐ C. BITS Pilani
 - ☐ D. IIT Guwahati

Q.94 In April 2024, the Indian Space Research Organisation's (ISRO) Chairman, S Somanath, made a declaration to achieve debris-free space missions by the year ____.

- Ans**
- ☐ A. 2032
 - ☐ B. 2028
 - ☐ C. 2035
 - ☒ D. 2030

Q.95 As per Union Budget 2025-26, under the new income tax regime, what is the tax-exempt income threshold?

- Ans**
- ☒ A. ₹12 lakh
 - ☐ B. ₹13 lakh
 - ☐ C. ₹15 lakh
 - ☐ D. ₹10 lakh

Q.96 Which organization collaborated with CBSE to launch the National Automobile Olympiad, 2025?

- Ans**
- ☐ A. NITI Aayog
 - ☐ B. National Skill Development Corporation
 - ☐ C. Skill India Mission
 - ☒ D. Automotive Skills Development Council

Q.97 In November 2025, the Commission for Air Quality Management (CAQM) implemented Stage-II of the Graded Response Action Plan (GRAP) across Delhi-NCR. Which air quality category and AQI range did this stage correspond to?

- Ans**
- ☐ A. Poor (AQI 201–300)
 - ☐ B. Severe+ (AQI 451 and above)
 - ☐ C. Severe (AQI 401–450)
 - ☒ D. Very Poor (AQI 301–400)

Q.98 Which Canadian province held the G7 Summit in June 2025?

- Ans**
- ☐ A. British Columbia
 - ☐ B. Saskatchewan
 - ☒ C. Alberta
 - ☐ D. Ontario

Q.99 Which of the following organization's main purpose is collective defence, meaning an attack on one member is considered an attack on all?

- Ans**
- ☐ A. World Trade Organization (WTO)
 - ☐ B. World Health Organization (WHO)
 - ☐ C. United Nations Educational, Scientific and Cultural Organization (UNESCO)
 - ☒ D. North Atlantic Treaty Organization (NATO)

Q.100 Who was recently appointed as the Chairperson of the Athletics Federation of India (AFI) Athletes Commission in January 2025?

- Ans**
- ☐ A. Saurav Ganguly
 - ☐ B. PT Usha
 - ☒ C. Anju Bobby George
 - ☐ D. Neeraj Chopra



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Sheela Nagar
Test Date	08/01/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Match the following statements about respiration with their correct features.

- | | |
|--|----------------------------|
| a. Aerobic respiration | i. Does not require oxygen |
| b. Anaerobic respiration | ii. Mitochondria |
| c. Pyruvate breakdown in the presence of oxygen takes place in the | iii. Cytoplasm |
| d. Glucose breakdown in the absence of oxygen takes place in the | iv. Requires oxygen |

- Ans**
- ☒ A. a - i, b - iv, c - ii, d - iii
 - ☒ B. a - iv, b - i, c - iii, d - ii
 - ☒ C. a - i, b - iii, c - ii, d - iv
 - ☒ D. a - iv, b - i, c - ii, d - iii

Q.2 A 7 V battery is connected in series with five resistors: 0.1 Ω , 0.4 Ω , 0.5 Ω , 0.6 Ω and 12.4 Ω . What is the current flowing through the 12.4 Ω resistor?

- Ans**
- ☒ A. 0.5 A
 - ☒ B. 2 A
 - ☒ C. 0.75 A
 - ☒ D. 1 A

Q.3 A stone is thrown vertically upward with an initial velocity of 49 m/s. Calculate the maximum height it reaches before momentarily stopping. (Take $g = 9.8 \text{ m/s}^2$).

- Ans**
- ☒ A. 122.5 m
 - ☒ B. 245 m
 - ☒ C. 49 m
 - ☒ D. 9.8 m

Q.4 Which among the following statements represents a characteristic of asexual reproduction?

- Ans**
- ☐ A. Requires gametes
 - ☐ B. Involves two parents
 - ☐ C. Produces genetically diverse offspring
 - ☒ D. Involves only one parent

Q.5 Which property distinguishes a compound from a mixture?

- Ans**
- ☐ A. Can exist in any state
 - ☐ B. Is always a solid
 - ☒ C. Has fixed composition and properties
 - ☐ D. Is made of more than one substance

Q.6 The simple permanent tissue that provides mechanical support and flexibility to plant parts such as stems and tendrils is _____.

- Ans**
- ☒ A. collenchyma
 - ☐ B. parenchyma
 - ☐ C. xylem
 - ☐ D. sclerenchyma

Q.7 Esters are _____ substances.

- Ans**
- ☒ A. sweet-smelling
 - ☐ B. bitter-smelling
 - ☐ C. sour-smelling
 - ☐ D. pungent-smelling

Q.8 What is a reduction reaction?

- Ans**
- ☐ A. Gain of protons
 - ☒ B. Gain of electrons
 - ☐ C. Loss of electrons
 - ☐ D. Loss of neutrons

Q.9 A male patient has low sperm motility. Which glands are most likely to be NOT functioning properly?

- Ans**
- ☐ A. Pancreas and adrenal glands
 - ☐ B. Thyroxine and Pineal Glands
 - ☐ C. Testis and bladder
 - ☒ D. Prostate gland and seminal vesicles

Q.10 Which of the following is an example of a physical change during the formation of a solution?

- Ans**
- ☒ A. Dissolution of salt in water
 - ☐ B. Rusting of iron in salt solution
 - ☐ C. Digestion of food in the stomach
 - ☐ D. Curdling of milk when lemon juice is added to it

Q.11 The energy stored in an object due to its position or configuration is called:

- Ans**
- ☐ A. kinetic energy
 - ☐ B. sound energy
 - ☐ C. thermal energy
 - ☒ D. potential energy

Q.12 Metals high in the activity series may be extracted by the process of:

- Ans**
- ☒ A. electrolytic reduction
 - ☐ B. calcination
 - ☐ C. heating with carbon
 - ☐ D. only heating

Q.13 What is the primary safety function of the green insulated earth wire in a domestic circuit, particularly for metallic appliances?

- Ans**
- ☒ A. To provide a low-resistance path to ensure leakage current keeps the appliance potential to that of the earth, preventing severe shocks
 - ☐ B. To provide a high-resistance path to divert excess current into the ground
 - ☐ C. To act as the neutral wire when the black wire fails
 - ☐ D. To stabilise the voltage at 220 V

Q.14 Why are autotrophs placed at the first trophic level in a food chain?

- Ans**
- ☐ A. Because they feed on herbivores
 - ☒ B. Because they manufacture food from inorganic substances
 - ☐ C. Because they consume organic waste materials
 - ☐ D. Because they decompose dead organisms

Q.15 The epithelial tissue forming the lining of kidney tubules and salivary gland ducts is which of the following?

- Ans**
- ☐ A. Columnar epithelium
 - ☐ B. Stratified epithelium
 - ☒ C. Cuboidal epithelium
 - ☐ D. Ciliated epithelium

Q.16 In what way is tendril movement similar to other tropic movements in plants?

- Ans**
- ☐ A. It always occurs during night.
 - ☐ B. It is random and sudden pressure only.
 - ☒ C. It involves directional growth in response to a stimulus.
 - ☐ D. It is based on internal water.

Q.17 Which of the following statement(s) is /are true about the image formed by a concave mirror?

- (i) A concave mirror always forms a real and inverted image whatever be the position of the object.
- (ii) A concave mirror forms a real, inverted and diminished image when the object is placed between the focus and centre of curvature of the mirror.
- (iii) A concave mirror forms a real, inverted and point sized image at its focus when the object is placed at infinity.

- Ans**
- ☒ A. Only (iii)
 - ☐ B. Both (i) and (ii)
 - ☐ C. Only (i)
 - ☐ D. Both (ii) and (iii)

Q.18 Match the following columns.

Column A (Situation)	Column B (Effect)
A. Acid rain	1. Occurs when $\text{pH} < 5.5$ in mouth
B. Indigestion	2. Antacids neutralise excess acid
C. Tooth decay	3. $\text{pH} < 5.6$ harms aquatic life
D. Bee sting	4. Neutralised by baking soda

Ans ☒ A. A-1; B-2; C-3; D-4

☒ B. A-4; B-3; C-2; D-1

☒ C. A-2; B-4; C-1; D-3

☒ D. A-3; B-2; C-1; D-4

Q.19 What can be said about the shape of a velocity-time graph for an object moving with non-uniform acceleration?

Ans ☒ A. It is always a horizontal line.

☒ B. It is a curved line.

☒ C. It is always a downward sloping line.

☒ D. It is always a straight line.

Q.20 According to Bohr-Bury, what is the maximum number of electrons that the M-shell can accommodate?

Ans ☒ A. 2

☒ B. 18

☒ C. 8

☒ D. 20

Q.21 A ray of light strikes a plane mirror at an angle of 30° with the normal. The angle between the incident ray and the reflected ray is:

Ans ☒ A. 60°

☒ B. 120°

☒ C. 30°

☒ D. 90°

Q.22 Which category of sound frequency is used by rhinoceroses, whales, and elephants for communication?

Ans ☒ A. Infrasound

☒ B. Supersonic sound

☒ C. Ultrasound

☒ D. Audible sound

Q.23 What does the area under a velocity-time graph represent?

Ans ☒ A. The time taken by the object

☒ B. The displacement of the object during that time interval

☒ C. The speed of the object

☒ D. The acceleration of the object

Q.24 Which of the following determine the size of an atom?

Ans ☒ A. Electron Clouds

☒ B. Nucleus

☒ C. Neutrons

☒ D. Protons

Q.25 Why is variation important in sexually reproducing plants?

- Ans ☐ A. It ensures all offspring are identical to the parent, maintaining uniformity.
☒ B. It increases the chances of survival by enabling adaptation to environmental changes.
☐ C. It decreases the genetic diversity within the population.
☐ D. It limits the adaptability of the species to changing environments.

Section : Mathematics

Q.26 A person saves 60% of his income. If his expenditure is ₹560, then his income (in ₹) is:

- Ans ☒ A. 1,400
☐ B. 1,440
☐ C. 1,336
☐ D. 1,224

Q.27 If three-fifths of a number is 4 more than one-half of the number, what is the number?

- Ans ☐ A. 45
☐ B. 35
☐ C. 30
☒ D. 40

Q.28 The number of prime numbers between 469 and 474 is:

- Ans ☒ A. 0
☐ B. 1
☐ C. 3
☐ D. 2

Q.29 A person allows a 10% discount for cash payment from the marked price of a toy and still he makes a 10% gain. What is the cost price of the toy which is marked at ₹880?

- Ans ☐ A. ₹520
☒ B. ₹720
☐ C. ₹420
☐ D. ₹620

Q.30 A car travels for 70 km at a speed of 60 km/hr, then for another 80 km at a speed of 80 km/hr, and finally for 50 km at a speed of 40 km/hr. What is the average speed of the entire journey? (Round off the answer to 2 decimal places)

- Ans ☐ A. 65.75 km/hr
☒ B. 58.54 km/hr
☐ C. 50.45 km/hr
☐ D. 55.63 km/hr

Q.31 A spherical metallic ball of density 3.5 gram/cm³ has total mass 3.168

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

- Ans ☒ A. ₹2,534.40
☐ B. ₹2,830.60
☐ C. ₹3,235.20
☐ D. ₹3,534.70

Q.32 The surface area of a sphere is 144π square units. What is the radius of the sphere?

- Ans**
- ☐ A. 8 units
 - ☐ B. 5 units
 - ☐ C. 10 units
 - ☒ D. 6 units

Q.33 A man receives ₹1,890 per month as salary. He saves 30% of his salary every month. His expenditure per month is:

- Ans**
- ☐ A. ₹1,336
 - ☐ B. ₹1,269
 - ☒ C. ₹1,323
 - ☐ D. ₹1,418

Q.34 If $a + \frac{1}{a} = 6$, then find the value of $a^2 + \frac{1}{a^2}$.

- Ans**
- ☐ A. 40
 - ☐ B. 38
 - ☒ C. 34
 - ☐ D. 36

Q.35 An item is sold for ₹7,200 after two successive discounts of 36% and 10%. What is the marked price (in ₹) of the item?

- Ans**
- ☐ A. 12,594
 - ☐ B. 12,596
 - ☐ C. 12,561
 - ☒ D. 12,500

Q.36 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 9 February 2023 to 23 April 2023.

- Ans**
- ☐ A. 29
 - ☐ B. 27
 - ☐ C. 26
 - ☒ D. 28

Q.37 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 21^\circ$. E is a point on BC such that $\angle CAE = 27^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ A. 81°
 - ☐ B. 97°
 - ☐ C. 104°
 - ☒ D. 96°

Q.38 What is the difference between the average of prime numbers between 60 and 70 and the average of multiples of 4 between 50 and 58?

- Ans**
- ☐ A. 9
 - ☐ B. 11
 - ☒ C. 10
 - ☐ D. 1

Q.39 In an election, 60% of the total voters cast their votes. Out of these, 75% voted for candidate A and the remaining voted for candidate B. If candidate B received 7500 votes, calculate the total number of registered voters.

- Ans** ☒ A. 50,000
☒ B. 45,000
☒ C. 40,000
☒ D. 60,000

Q.40 If 63 is the mean proportion between x and 147, what is the value of x?

- Ans** ☒ A. 27
☒ B. 29
☒ C. 28
☒ D. 25

Q.41 Two trains A and B of lengths 496 m and 490 m are running at speeds of 12 m/s and 22 m/s, respectively, towards each other on parallel tracks. In how much time will they cross each other?

- Ans** ☒ A. 26 seconds
☒ B. 30 seconds
☒ C. 22 seconds
☒ D. 29 seconds

Q.42 Eight years ago, the ratio of Aman's age to Riya's age was 4 : 3. Eight years from now, the ratio of their ages will be 5 : 4. What is Aman's present age?

- Ans** ☒ A. 70 years
☒ B. 76 years
☒ C. 56 years
☒ D. 72 years

Q.43 If 241 bananas were distributed among three monkeys, respectively, in

- Ans** ☒ A. 38
☒ B. 36
☒ C. 34
☒ D. 35

Q.44 Find the value of $\frac{2\sqrt{\operatorname{cosec}^2 A - 1} \times \sqrt{1 - \cos^2 A}}{\sqrt{1 + \tan^2 A} \times 3\sqrt{1 - \sin^2 A}}$.

- Ans** ☒ A. $\frac{2\sin A}{3}$
☒ B. $\frac{2}{3}$
☒ C. $\cos A$
☒ D. $\frac{2\cos A}{3}$

Q.45 If the HCF of two numbers is 12 and their product is 2160, what is the LCM of the two numbers?

- Ans** ☒ A. 184
☒ B. 200
☒ C. 190
☒ D. 180

Q.46 Simplify: $\sqrt{144 \times 49} + \sqrt{64 \times 25} - \sqrt{100 \times 36}$

- Ans
- ☐ A. 32
 - ☐ B. 48
 - ☐ C. 50
 - ☒ D. 64

Q.47 A retailer offers the following discount schemes for buyers on an article.

- I. Two successive discounts of 14%.
- II. A discount of 22% followed by a discount of 29%.
- III. Successive discounts of 22% and 7%.
- IV. A discount of 14% followed by a discount of 6%.

Which scheme will fetch the maximum selling price?

- Ans
- ☒ A. IV
 - ☐ B. II
 - ☐ C. III
 - ☐ D. I

Q.48 P and Q together can fill a cistern with water in 15 hours. If P alone can fill the cistern with water in 24 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans
- ☒ A. 10
 - ☐ B. 21
 - ☐ C. 20
 - ☐ D. 11

Q.49 The arithmetic mean of the observations 47, 71, 82, 59, 22, 43, 46, 96 and 56 is:

- Ans
- ☐ A. 60
 - ☐ B. 64
 - ☒ C. 58
 - ☐ D. 66

Q.50 A and B can do a piece of work in $6\frac{2}{5}$ days, B and C can do it in $7\frac{1}{9}$ days and A & C can do it in $8\frac{1}{3}$ days. If A, B and C work together, then in how many days they can finish the work?

- Ans
- ☐ A. $5\frac{2}{21}$
 - ☐ B. $8\frac{1}{21}$
 - ☐ C. $6\frac{3}{31}$
 - ☒ D. $4\frac{4}{31}$

Section : General Intelligence and Reasoning

Q.51 A, B, C, D, E and F are sitting around a circular table facing the centre. B sits third to the right of F. D sits second to the left of C. A sits third to the right of C. E sits to the immediate left of B. How many people sit between E and A when counted from the left of A?

- Ans
- ☒ A. One
 - ☐ B. Four
 - ☐ C. None
 - ☐ D. Two

- Q.52** 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:

All trees are boats.
No pens are boats.
All combs are trees.

Conclusions:

(I) All combs are boats.
(II) No pens are combs.

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

- Q.53** What should come in place of the question mark (?) in the given series?

1 2 8 16 64 ?

- Ans** ☒ A. 132
☒ B. 124
☒ C. 136
☒ D. 128

- Q.54** Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 9 3 7 9 8 7 7 6 2 9 1 6 2 7 4 8 5 5 6 5 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by a perfect square?

(NOTE: 1 is also a perfect square)

- Ans** ☒ A. 2
☒ B. 3
☒ C. 4
☒ D. 1

- Q.55** Each of the digits in the number 78352416 is arranged in descending order from left to right. What will be the product of the digits that are third from the left and second from the right in the new number thus formed?

- Ans** ☒ A. 16
☒ B. 24
☒ C. 18
☒ D. 12

- Q.56** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CRB ZOY WLV TIS ?

- Ans** ☒ A. QFP
☒ B. QPF
☒ C. QFO
☒ D. QFR

Q.57 Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only three boxes are kept above B. Only one box is kept between P and B. Only three boxes are kept between P and T. T is kept at some place above B. D is kept immediately below T. E is kept at one of the places above S. W is not kept immediately above or below P. How many boxes are kept between S and D?

- Ans**
- ☒ A. Two
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. One

Q.58 Which number should come in place of the question mark (?) to make the series logically complete?

527 524 529 522 531 ?

- Ans**
- ☒ A. 521
 - ☒ B. 515
 - ☒ C. 525
 - ☒ D. 520

Q.59 Refer to the following series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 1 7 1 2 2 9 3 5 8 9 2 4 3 2 4 4 3 5 9 4 3 3 (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. One
 - ☒ B. Four
 - ☒ C. Three
 - ☒ D. Two

Q.60 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. TVZ
 - ☒ B. LNR
 - ☒ C. NPV
 - ☒ D. JLP

Q.61 In a certain code language, 'life offers hope' is coded as 'sc tp gb' and 'hope shapes future' is coded as 'hk mp tp'. How is 'hope' coded in the given language?

- Ans**
- ☒ A. sc
 - ☒ B. hk
 - ☒ C. tp
 - ☒ D. gb

Q.62 YUTU is related to XTST in a certain way based on the English alphabetical order. In the same way, FBAB is related to EAZA. To which of the given options is GCBC related, following the same logic?

- Ans**
- ☒ A. FBAB
 - ☒ B. FCZG
 - ☒ C. FBZB
 - ☒ D. FAZB

Q.63 Prashant starts from Point A and drives 32 km towards the south. He then takes a right turn, drives 29 km, turns right and drives 43 km. He then takes a right turn and drives 54 km. He takes a final right turn, drives 11 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. 28 km to the east
 - ☐ B. 26 km to the west
 - ☒ C. 25 km to the west
 - ☐ D. 27 km to the east

Q.64 Vishal starts from Point A and drives 10 km towards south. He then takes a right turn, drives 4 km, turns right and drives 12 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 2 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 degrees turns only unless specified)

- Ans**
- ☐ A. 4 km to the west
 - ☒ B. 3 km to the west
 - ☐ C. 3 km to the east
 - ☐ D. 4 km to the east

Q.65 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

QRP 64 STR 54 UVT 44 WXV 34 ?

- Ans**
- ☐ A. YGP 23
 - ☐ B. YYW 23
 - ☐ C. YAW 24
 - ☒ D. YZX 24

Q.66 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 3 5 6 4 4 6 2 6 5 2 8 2 8 3 6 3 1 4 8 7 3 5 2 7 3 2 3 (Right)

How many such odd 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. 4
 - ☐ C. 6
 - ☐ D. 3

Q.67 Six friends — P, Q, R, S, U and V — are sitting around a circular table, facing the centre. P is the immediate neighbour of both Q and R. R is sitting to the immediate left of U. V is sitting second to the left of P.

How many people sit between P and S, when counted from the right of S?

- Ans**
- ☐ A. Three
 - ☐ B. None
 - ☐ C. One
 - ☒ D. Two

Q.68 Five people, L, M, N, O and P, are sitting in a row, facing towards the north. N is sitting at third position from the extreme right end of the row. M is not an immediate neighbour of N. P is sitting to the immediate left to N. P is sitting immediate right to O.
Who is sitting between N and M?

- Ans** ☒ A. L
☐ B. P
☐ C. N
☐ D. O

Q.69 In a certain code language, 'speak the truth' is coded as 'pc rd st' and 'truth always wins' is coded as 'mo st kl'. How is 'truth' coded in that language?

- Ans** ☐ A. kl
☐ B. pc
☐ C. mo
☒ D. st

Q.70 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GNL : KSP
OXT : SCX

- Ans** ☐ A. VHD : ZKH
☐ B. NLV : SPA
☒ C. WHB : AMF
☐ D. QLY : VPB

Q.71 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept between A and E. Only F is kept above G. No box is kept below E. C is kept at some place below D but at some place above B. How many boxes are kept above D?

- Ans** ☒ A. 2
☐ B. 1
☐ C. 4
☐ D. 3

Q.72 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. JLP
☐ B. MOJ
☐ C. FHC
☐ D. DFA

Q.73 What should come in place of the question mark (?) in the given series?

16 28 42 58 76 ?

- Ans** ☐ A. 90
☐ B. 88
☒ C. 96
☐ D. 94

Q.74 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ADE : FIJ
MDG : RIL

- Ans ☒ A. UFL : ZKQ
☐ B. ZOT : GRS
☐ C. VTE : ODR
☐ D. BTS : YDR

Q.75 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 2543769, which of the following digits will be second from the left in the new number thus formed?

- Ans ☐ A. 2
☒ B. 3
☐ C. 1
☐ D. 5

Q.76 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 9 4 8 3 3 3 1 4 7 8 7 1 7 2 9 1 3 5 1 5 9 6 4 8 4 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans ☒ A. 8
☐ B. 7
☐ C. 10
☐ D. 9

Q.77 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$6 \div 3 + 16 \times 4 - 9 = ? + 5$$

- Ans ☒ A. 28
☐ B. 26
☐ C. 24
☐ D. 30

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(6, 3, 19)
(4, 3, 13)

- Ans ☐ A. (5, 8, 40)
☐ B. (5, 4, 16)
☒ C. (3, 7, 22)
☐ D. (8, 3, 26)

Q.79 In a certain code language,
'A + B' means 'A is the son of B',
'A - B' means 'A is the father of B',
'A × B' means 'A is the brother of B' and
'A ÷ B' means 'A is the daughter of B'.

How is P related to R if 'P + Q × S ÷ T - R'?

- Ans**
- ☐ A. Sister's son
 - ☐ B. Daughter's son
 - ☐ C. Mother's brother
 - ☒ D. Brother's son

Q.80 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 peas are dogs.

No dog is a cub.

Conclusions:

(I) Some peas are cubs.

(II) Some dogs are peas.

- 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.

Section : General Awareness and Current Affairs

Q.81 'Montha,' which made landfall in India in October 2025, was what type of natural phenomenon?

- Ans**
- ☐ A. A deep depression over the Arabian Sea bringing rainfall to southern India
 - ☐ B. A tropical thunderstorm affecting coastal Gujarat
 - ☒ C. A severe cyclonic storm over the Bay of Bengal
 - ☐ D. An extremely severe cyclonic storm over the Kutch region

Q.82 Who among the following won the Chinese Grand Prix, 2025?

- Ans**
- ☒ A. Oscar Piastri
 - ☐ B. Lando Norris
 - ☐ C. Lewis Hamilton
 - ☐ D. Charles Leclerc

Q.83 Which Union Minister unveiled a new logo of Bharat Sanchar Nigam Limited (BSNL) in October 2024?

- Ans**
- ☒ A. Jyotiraditya M Scindia
 - ☐ B. Amit Shah
 - ☐ C. Jitin Prasada
 - ☐ D. Giriraj Singh

- Q.84** Which of the following insurance companies were designated as Domestic Systemically Important Insurers (D-SIIs) for the year 2024-25 by the Insurance Regulatory and Development Authority of India (IRDAI)?
- Ans** ☒ A. LIC, HDFC ERGO, and Reliance General
☒ B. LIC, Tata AIG, and Bajaj Allianz
☒ C. LIC, The New India Assurance, and GIC Re
☒ D. HDFC Life, ICICI Lombard, and SBI Life
- Q.85** At which venue did Jyothi Yarraji set a record-breaking performance during the National Games 2025?
- Ans** ☒ A. Ganga Athletics Ground, Uttarakhand
☒ B. Kalinga Stadium, Odisha
☒ C. Nehru Stadium, Chennai
☒ D. Sree Kanteerava Stadium, Bengaluru
- Q.86** Which of the following cities served as the venue for the Curtain Raiser of the 18th Urban Mobility India (UMI) Conference and Exhibition 2025, organised by the Ministry of Housing and Urban Affairs (MoHUA)?
- Ans** ☒ A. Gurugram, Haryana
☒ B. New Delhi, Delhi
☒ C. Noida, Uttar Pradesh
☒ D. Jaipur, Rajasthan
- Q.87** What was the name of the operation launched in May 2025 in response to a terror attack in Pahalgam?
- Ans** ☒ A. Operation Raksha
☒ B. Operation Vijay
☒ C. Operation Sindoor
☒ D. Operation Abhiman
- Q.88** Which former World Bank/IMF economist was appointed as the RBI Deputy Governor in April 2025?
- Ans** ☒ A. Raghuram Rajan
☒ B. Michael Patra
☒ C. Poonam Gupta
☒ D. Urjit Patel
- Q.89** At the 2025 BCCI Naman Awards, who received the Lifetime Achievement Award?
- Ans** ☒ A. Virat Kohli
☒ B. Jasprit Bumrah
☒ C. Sachin Tendulkar
☒ D. Smriti Mandhana
- Q.90** In July 2025, the Ministry of Tribal Affairs partnered with which organisation to support 68 Eklavya Model Residential Schools (EMRS) in Chhattisgarh, benefiting more than 28,000 tribal students?
- Ans** ☒ A. Steel Authority of India Limited
☒ B. National Thermal Power Corporation
☒ C. Oil and Natural Gas Corporation
☒ D. Coal India Limited

Q.91 What is the name of India's first AI-generated school teacher robot, unveiled by Makerlabs Edutech at a school in Kerala?

- Ans**
- ☒ A. Iris
 - ☐ B. Vedika
 - ☐ C. Sophia
 - ☐ D. Esha

Q.92 In March 2025, which summit in New Delhi focused on "Partnerships for Accelerating Sustainable Development and Climate Solutions"?

- Ans**
- ☐ A. Conference of the Parties (COP) 30
 - ☐ B. United Nations Environment Assembly- 5
 - ☒ C. World Sustainable Development Summit
 - ☐ D. G20 Environment Summit

Q.93 Which country has officially become the first European nation to join the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)?

- Ans**
- ☐ A. Italy
 - ☐ B. France
 - ☐ C. Germany
 - ☒ D. Britain

Q.94 Which individual from Haryana, a Paralympic gold medallist, was honoured with the Padma Shri in January 2025?

- Ans**
- ☐ A. Mariyappan Thangavelu
 - ☐ B. Deepa Malik
 - ☐ C. Vinod Kumar
 - ☒ D. Harvinder Singh

Q.95 Which of the following Union Ministers launched India's National Red List Roadmap in October 2025?

- Ans**
- ☐ A. Bhupender Yadav
 - ☐ B. Piyush Goyal
 - ☒ C. Kirti Vardhan Singh
 - ☐ D. Nitin Jairam Gadkari

Q.96 What is the primary objective of the large-scale civil defence mock drill named Operation Shield conducted on May 2025?

- Ans**
- ☐ A. To test the effectiveness of coastal security protocols
 - ☐ B. To enhance readiness against internal insurgencies
 - ☐ C. To simulate response to natural disasters in Himalayan regions
 - ☒ D. To improve the state's emergency readiness and response systems

Q.97 Which of the following bodies published the GRFC (Global Report on Food Crises), 2025?

- Ans**
- ☐ A. Food and Agriculture Organization (FAO)
 - ☐ B. United Nations Development Programme (UNDP)
 - ☐ C. World Food Programme alone
 - ☒ D. Food Security Information Network (FSIN)

Q.98 Who among the following authored the 2025 book "Rocket Dreams: Musk, Bezos, and the Inside Story of the New, Trillion-Dollar Space Race", which explores the fierce rivalries among billionaires in the modern space race?

- Ans**
- ☐ A. Neil deGrasse Tyson
 - ☒ B. Christian Davenport
 - ☐ C. Ashlee Vance
 - ☐ D. Walter Isaacson

Q.99 In 2025, IDFC FIRST Bank has enabled Unified Payments Interface (UPI) access for Non-Resident Indians (NRIs) in how many countries?

- Ans**
- ☐ A. 10
 - ☐ B. 11
 - ☒ C. 12
 - ☐ D. 13

Q.100 Who was IPL 2025's Most Valuable Player from Mumbai Indians?

- Ans**
- ☐ A. Rohit Sharma
 - ☐ B. Jasprit Bumrah
 - ☒ C. Suryakumar Yadav
 - ☐ D. Krunal Pandya



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Phulwarisharif
Test Date	08/01/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 When is the work done by a constant force on an object maximum?

- Ans**
- ☒ A. When the force is in the same direction as the displacement
 - ☐ B. When the force is perpendicular to the displacement
 - ☐ C. When the force makes an angle of 45° with the displacement
 - ☐ D. When the force is opposite to the displacement

Q.2 During non-uniform motion of an object along a straight line _____.

- Ans**
- ☒ A. the change in velocity over any time interval is non zero.
 - ☐ B. the change in velocity over any time interval is zero.
 - ☐ C. the velocity has same values at different points of the path.
 - ☐ D. the velocity remains constant with time.

Q.3 The pattern formed by iron filings around a bar magnet demonstrates _____.

- Ans**
- ☐ A. electric field lines
 - ☐ B. gravitational field lines
 - ☐ C. electrostatic force
 - ☒ D. magnetic field lines

Q.4 Which of the following statements is correct about the direction of the magnetic field lines inside a current-carrying solenoid?

- Ans**
- ☐ A. The magnetic field lines are random inside the solenoid.
 - ☒ B. The magnetic field lines are parallel and along the axis of the solenoid from its south pole to north pole.
 - ☐ C. The magnetic field lines are circular and perpendicular to the axis of the solenoid.
 - ☐ D. The magnetic field lines are parallel and along the axis of the solenoid from its north pole to south pole.

Q.5 Consider the following statements and select the correct option.

Statement A: Baking soda is a mild non-corrosive basic salt.

Statement B: It can neutralise acids and relieve stomach acidity.

- Ans**
- ☐ A. Statement A is incorrect but B is correct.
 - ☒ B. Both statements A and B are correct.
 - ☐ C. Both statements A and B are incorrect.
 - ☐ D. Statement A is correct but B is incorrect.

Q.6 Which roasting operation shown below burns out sulphur from a sulphide ore?

- Ans**
- ☐ A. Volatilising
 - ☒ B. Oxidising
 - ☐ C. Chloridising
 - ☐ D. Smelting

Q.7 Why are megaphones, loudhailers and some musical instruments designed with a tube followed by a conical opening?

- Ans**
- ☒ A. To direct most of the sound waves forward toward the audience without spreading it
 - ☐ B. To absorb the sound waves
 - ☐ C. To spread the sound in all directions
 - ☐ D. To make the sound quieter

Q.8 The Rutherford gold foil experiment established the presence of:

- Ans**
- ☐ A. Protons
 - ☐ B. Electrons
 - ☒ C. Nucleus
 - ☐ D. Neutrons

Q.9 What quantity is measured in cubic centimetres (cm³)?

- Ans**
- ☐ A. Temperature
 - ☐ B. Mass
 - ☐ C. Pressure
 - ☒ D. Volume

Q.10 If you want to make water evaporate faster, what should you do?

- Ans**
- ☐ A. Place it in a cool, humid room.
 - ☐ B. Use a narrow, deep container.
 - ☐ C. Cover the container.
 - ☒ D. Increase the temperature and expose it to a fan.

Q.11 Which of the following best describes fragmentation as a method of asexual reproduction?

- Ans**
- ☐ A. A single cell divides into two identical daughter cells.
 - ☐ B. A new organism grows from a bud formed on the parent's body.
 - ☒ C. The parent body breaks into pieces, and each piece grows into a new organism.
 - ☐ D. The parent organism divides into many cells which develop into spores.

Q.12 Read the given statements and select the most appropriate option.

Statement 1: When a ball is thrown vertically upward, its velocity decreases at the rate of g.

Statement 2: The acceleration due to gravity acts downward even when the ball moves upward.

- Ans**
- ☐ A. Only Statement 2 is correct
 - ☐ B. Only Statement 1 is correct
 - ☐ C. Both Statements are incorrect
 - ☒ D. Both Statements 1 and 2 are correct

- Q.13** A ray of light parallel to the principal axis, after reflection from a concave mirror, _____.
- Ans** ☒ A. remains parallel to the axis
☒ B. passes through the pole
☒ C. passes through the principal focus
☒ D. passes through the centre of curvature
- Q.14** Which of the following correctly represents the total number of atoms in one molecule of ammonium sulphate $((\text{NH}_4)_2\text{SO}_4)$?
- Ans** ☒ A. 10
☒ B. 15
☒ C. 14
☒ D. 16
- Q.15** The sensation of feeling full after eaten enough is perceived in which part of our body?
- Ans** ☒ A. Heart
☒ B. Fore-brain
☒ C. Buccal cavity
☒ D. Mid-brain
- Q.16** A car moves with uniform velocity v . Which of the following statements is true about its velocity-time graph?
- Ans** ☒ A. Slope of graph = 0
☒ B. Slope of graph = displacement
☒ C. Graph passes through origin only
☒ D. Slope of graph = velocity
- Q.17** A person is prescribed spectacles of +2 D. What type of lens is used in the spectacles?
- Ans** ☒ A. Concave lens
☒ B. Cylindrical lens
☒ C. Prism lens
☒ D. Convex lens
- Q.18** Which of the following reactions is an example of a reduction reaction?
- Ans** ☒ A. $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
☒ B. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
☒ C. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
☒ D. $\text{Zn} + \text{H}_2\text{SO}_4 \rightarrow \text{ZnSO}_4 + \text{H}_2$
- Q.19** Using cracked crockery to grow small plants is an example of _____.
- Ans** ☒ A. Repurpose
☒ B. Refuse
☒ C. Recycle
☒ D. Reuse

Q.20 What happens to a substance when it is reduced in a reaction?

- Ans**
- ☐ A. It loses protons
 - ☒ B. It gains electrons
 - ☐ C. It loses electrons
 - ☐ D. It becomes more reactive

Q.21 In which of the following cases is pregnancy least likely to occur?

- Ans**
- ☐ A. Embryo implants in the uterus
 - ☐ B. Sperm meets egg in the uterus
 - ☐ C. Fertilisation happens in the oviduct
 - ☒ D. Egg not released from ovary

Q.22 The non-directional movement of plants due to stimulus of sunlight is called:

- Ans**
- ☒ A. photonasty
 - ☐ B. thigmonasty
 - ☐ C. phototropism
 - ☐ D. thigmotropism

Q.23 What happens to the uterus lining if the egg is not fertilised?

- Ans**
- ☐ A. It is unaffected.
 - ☐ B. It gets absorbed by the body.
 - ☐ C. It becomes thickened.
 - ☒ D. It breaks down and is discharged through the vagina.

Q.24 In a eukaryotic cell observed under a microscope, the three main components visible are:

- Ans**
- ☐ A. cell wall, ribosome and vacuole
 - ☒ B. plasma membrane, nucleus and cytoplasm
 - ☐ C. capsule, nucleoid and cytoplasm
 - ☐ D. endoplasmic reticulum, Golgi body and nucleoid

Q.25 Cytoplasm is made up of an aqueous ground substance called:

- Ans**
- ☐ A. lysosomal fluid
 - ☐ B. chromoplasm
 - ☐ C. nucleoplasm
 - ☒ D. cytosol

Section : Mathematics

Q.26 A garrison of 1209 men has provisions for 24 days. How long (in days) will the provisions last if the garrison is increased by 403 men?

- Ans**
- ☒ A. 18
 - ☐ B. 38
 - ☐ C. 13
 - ☐ D. 28

Q.27 The marked price of a washing machine is ₹62,000. A shopkeeper allows a discount of 73% and gets a profit of 20%. What is the cost price of the washing machine?

- Ans**
- ☒ A. ₹13,950
 - ☐ B. ₹14,038
 - ☐ C. ₹13,966
 - ☐ D. ₹14,058

Q.28 For 6 innings, a cricketer had an average of 100 runs. In the 7th inning, he scored 235 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- Ans
- ☐ A. 9
 - ☐ B. 21
 - ☒ C. 19
 - ☐ D. 11

Q.29 The product of two numbers is 96 and their sum is 20. Find the value



- Ans
- ☐ A. 4
 - ☐ B. 64
 - ☐ C. 36
 - ☒ D. 16

Q.30 Find the number of bricks required to build a wall 20 m long, 9.9 m high and 30 cm thick, using bricks of size 25 cm × 11 cm × 8 cm, if 10% of the wall volume is filled with cement.

- Ans
- ☒ A. 24,300
 - ☐ B. 26,500
 - ☐ C. 25,800
 - ☐ D. 30,200

Q.31 ₹1,411 is divided among Pooja, Harsh and Madhur in such a way that if ₹12, ₹23 and ₹43 are deducted from their respective shares, they have money in the ratio 21:16:6. Find the actual share of Harsh.

- Ans
- ☐ A. ₹596
 - ☐ B. ₹546
 - ☒ C. ₹519
 - ☐ D. ₹646

Q.32 The monthly incomes of two friends David and Ashish, are in the ratio 5 : 9, respectively, and each of them saves ₹39,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of David (in ₹).

- Ans
- ☐ A. 1,96,000
 - ☐ B. 1,94,000
 - ☒ C. 1,95,000
 - ☐ D. 2,73,000

Q.33 A shopkeeper marks his goods at 40% above the cost price. He then offers a discount of 20% on the marked price. What is his profit percentage?

- Ans
- ☒ A. 12%
 - ☐ B. 10%
 - ☐ C. 18%
 - ☐ D. 15%

Q.34 A car travels 187 km in the first hour and 273 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

- Ans
- ☐ A. 222
 - ☐ B. 231
 - ☐ C. 223
 - ☒ D. 230

Q.35 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 44^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 5 : 6, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans ☐ A. 5°
☐ B. 13°
☐ C. 7°
☒ D. 8°

Q.36 The sum of two numbers is 45. One number is 5 more than the other. Find the larger number.

- Ans ☐ A. 20
☒ B. 25
☐ C. 35
☐ D. 15

Q.37 Simplify the expression: $\frac{3^{(4+x)} \times 9^{(x-4)}}{27^{(x-3)} \times 3^3}$

- Ans ☐ A. 27
☐ B. 3
☐ C. 81
☒ D. 9

Q.38 The amount on a sum of ₹1,200 at 15% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☐ A. ₹1,846
☐ B. ₹1,646
☒ C. ₹1,587
☐ D. ₹1,725

Q.39 A ladder 10 metres long leans against a wall making an angle of 60° with the ground. Find the height (in metres) of the wall the ladder reaches.

- Ans ☐ A. $10\sqrt{3}$
☐ B. $10\sqrt{2}$
☐ C. $5\sqrt{2}$
☒ D. $5\sqrt{3}$

Q.40 The curved surface area and the height of a right circular cylinder are 924 cm^2 and 14 cm, respectively. Find its diameter (in cm).

Use $\pi = \frac{22}{7}$

- Ans ☒ A. 21
☐ B. 18
☐ C. 24
☐ D. 20

Q.41 What is the greatest volume container (in litres) that can measure 300 litres, 280 litres and 180 litres.

- Ans ☐ A. 60
☒ B. 20
☐ C. 70
☐ D. 120

Q.42 The age of T is 20 years more than the age of R. S's age is 10 years less than the age of P. P's age is half the age of R. The sum of ages of all is 130 years. What is the age of R in years?

- Ans**
- ☐ A. 36
 - ☐ B. 30
 - ☒ C. 40
 - ☐ D. 44

Q.43 A train of length 164 m takes 10 seconds to pass another train, 136 m. If the speed of the first train is 82 km/hr, then find the speed of the second train.

- Ans**
- ☐ A. 29 km/hr
 - ☐ B. 19 km/hr
 - ☒ C. 26 km/hr
 - ☐ D. 34 km/hr

Q.44 Due to water crisis, 40% of the initial population left the village, and 10% of the remaining left the town for pursuing jobs. If presently, 1080 people inhabit the village, what is the ratio of the initial population to the present population?

- Ans**
- ☐ A. 57:32
 - ☐ B. 52:32
 - ☒ C. 50:27
 - ☐ D. 50:23

Q.45 A cistern has a hole at the bottom through which water leaks. A tap can fill the cistern in 9 hours and the hole at the bottom can empty the fully filled cistern in 12 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

- Ans**
- ☐ A. 27 hours
 - ☒ B. 36 hours
 - ☐ C. 29.9 hours
 - ☐ D. 33.3 hours

Q.46 P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 36 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☐ A. 4
 - ☐ B. 6
 - ☒ C. 3
 - ☐ D. 7

Q.47 What is the mode of the following data?

47, 51, 51, 48, 53, 54, 47, 52, 51, 46, 43, 47, 52, 40, 47, 41, 43, 43, 46, 47

- Ans**
- ☐ A. 43
 - ☐ B. 51
 - ☒ C. 47
 - ☐ D. 48

Q.48 Ravi buys a shirt with a marked price of ₹1,620. He receives two successive discounts of 20% and 10%. Calculate the price Ravi paid for the shirt.

- Ans**
- ☐ A. ₹1,288.25
 - ☐ B. ₹1,330.50
 - ☒ C. ₹1,166.40
 - ☐ D. ₹1,260.45

Q.49 The fourth proportional to 20, 15 and 8 is the same as the third proportional to A and 30. What is the value of A?

- Ans**
- ☐ A. 148
 - ☐ B. 147
 - ☐ C. 153
 - ☒ D. 150

Q.50 Find a single discount (approximately) equal to three consecutive discounts of 22%, 8% and 17%.

- Ans**
- ☐ A. 43.24%
 - ☐ B. 43.38%
 - ☐ C. 42.91%
 - ☒ D. 40.44%

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

1 3 7 15 ? 63

- Ans**
- ☐ A. 26
 - ☐ B. 20
 - ☒ C. 31
 - ☐ D. 30

Q.52 Seven boxes D, E, F, U, V, W and X are kept one over the other but not necessarily in the same order. No box is kept above X. Only two boxes are kept between W and V. Only U is kept below E. Only three boxes are kept between E and W. D is not kept immediately above V. How many boxes are kept between F and U?

- Ans**
- ☐ A. One
 - ☐ B. Four
 - ☐ C. Three
 - ☒ D. Two

Q.53 In a row of 37 people facing north, Gayatri is 10th from the right end. If Mayank sits 12th to the left of Gayatri, what is Mayank's position from the left end of the line?

- Ans**
- ☐ A. 19th
 - ☒ B. 16th
 - ☐ C. 15th
 - ☐ D. 17th

Q.54 Select the term from among the given options that can replace the question mark (?) in the following series.

ZDF1, YGH3, XJJ9, WML27, ?

- Ans**
- ☒ A. WPM79
 - ☒ B. VQM81
 - ☒ C. VPN81
 - ☒ D. WQM79

Q.55 Five people, A, B, C, D and E, are sitting in a row, facing north. D sits third from the left end of the row. E sits fifth from the left end of the row. Only B sits between A and D. Who sits at the extreme left end of the row?

- Ans**
- ☒ A. A
 - ☒ B. E
 - ☒ C. C
 - ☒ D. B

Q.56 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only two people sit between G and B. Only D sits to the right of E. Only one person sits between B and E. F sits at some place to the right of C but at some place to the left of A.

How many people sit to the right of C?

- Ans**
- ☒ A. 2
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 5

Q.57 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. EHA
 - ☒ B. IMK
 - ☒ C. GJC
 - ☒ D. SVO

Q.58 Kiran starts from Point Y and drives 35 km towards south. He then takes a left turn, drives 22 km, turns right and drives 39 km. He then takes a left turn and drives 48 km. He takes a left turn, drives 26 km. He then turns right, drives 12 km, turns left and drives 48 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?

(All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 78 km towards east
 - ☒ B. 87 km towards east
 - ☒ C. 81 km towards west
 - ☒ D. 82 km towards west

- Q.59** 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:

All radios are microphones.

All radios are speakers.

Conclusions:

(I): Some microphones are speakers.

(II): All speakers are radios.

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

- Q.60** In a certain code language, 'YARD' is coded as '4579' and 'TOYS' is coded as '2385'. What is the code for 'Y' in the given code language?

- Ans**
- ☒ A. 8
 - ☒ B. 5
 - ☒ C. 7
 - ☒ D. 4

- Q.61** What should come in place of the question mark (?) in the given series?

2, 8, 14, 20, 26, ?

- Ans**
- ☒ A. 34
 - ☒ B. 33
 - ☒ C. 30
 - ☒ D. 32

- Q.62** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 4 9 2 6 5 1 3 7 8 2 9 4 1 5 7 3 8 2 9 4 6 1 (Right)

How many unique numbers in the series are perfect cubes (each number counted only once, regardless of repetitions)?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. None

- Q.63** What should come in place of the question mark (?) in the given series?

95 83 72 62 53 ?

- Ans**
- ☒ A. 46
 - ☒ B. 45
 - ☒ C. 51
 - ☒ D. 43

Q.64 In a certain code language, 'do you sing' is coded as 'ln vt df' and 'they sing well' is coded as 'vt mp bo'. How is 'sing' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☐ A. mp
 - ☐ B. df
 - ☐ C. ln
 - ☒ D. vt

Q.65 This question is based on the following words.

TOK, THE, HAS, ALL, COW

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

- Ans**
- ☐ A. Three
 - ☒ B. Two
 - ☐ C. Four
 - ☐ D. One

Q.66 GCKO is related to VRZD in a certain way based on the English alphabetical order. In the same way, OKSW is related to DZHL. To which of the given options is HDLP related, following the same logic?

- Ans**
- ☐ A. WESQ
 - ☐ B. WASE
 - ☒ C. WSAE
 - ☐ D. WSXD

Q.67 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

USO 48 NLH 39 GEA 30 ZXT 21 ?

- Ans**
- ☒ A. SQM 12
 - ☐ B. SWB 11
 - ☐ C. SPL 11
 - ☐ D. SRL 12

Q.68 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?

(90 A 9) B 4 C (28 A 7) B 8 D 9 B 6 C 18 A 2 = ?

- Ans**
- ☐ A. 35
 - ☐ B. 42
 - ☒ C. 27
 - ☐ D. 51

Q.69 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 its 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.)

9 - 3 - 27

5 - 4 - 20

- Ans**
- ☐ A. 3 - 12 - 46
 - ☐ B. 4 - 6 - 10
 - ☐ C. 8 - 5 - 30
 - ☒ D. 10 - 5 - 50

Q.70 In a code language,
A + B means 'A is the father of B'
A - B means 'A is the mother of B'
A * B means 'A is the sister of B'
A ÷ B means 'A is the brother of B'

Based on the above, how is Q related to P if 'Q + R * S - T ÷ P'?

- Ans**
- ☐ A. Father's brother
 - ☐ B. Mother's brother
 - ☐ C. Father
 - ☒ D. Mother's father

Q.71 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 8 3 5 4 6 8 3 2 6 9 7 1 3 8 9 8 2 7 8 5 7 6 9 7 4 4 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3

Q.72 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?

(24 Q 6) P 15 S (10 Q 2) P 7 R (80 Q 8) P 6 = ?

- Ans**
- ☐ A. 58
 - ☐ B. 21
 - ☒ C. 35
 - ☐ D. 49

Q.73 Pooja started from point A. She drove 20 km north, then turned west and drove 15 km. She then turned south and drove 5 km to arrive at point B. In which direction is point B with respect to point A? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ☐ A. North-east
 - ☐ B. South-west
 - ☒ C. North-west
 - ☐ D. West

Q.74 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JHK : IEG

JUM : IRI

- Ans**
- ☒ A. EOP : DLK
 - ☒ B. QNN : PKJ
 - ☒ C. ETI : DQD
 - ☒ D. HIJ : GEF

Q.75 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. LHA
 - ☒ B. YUM
 - ☒ C. AWP
 - ☒ D. GCV

Q.76 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 burgers are fries.

Some fries are tacos.

Conclusions:

(I) Some burgers are tacos.

(II) All tacos are fries.

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

Q.77 A, B, C, D, W, X and Y are sitting around a circular table facing the centre of the table. C sits to the immediate left of B. W sits to the immediate left of A. A sits second to the left of X. D sits third to the left of B. Who sits third to the right of Y?

- Ans**
- ☒ A. C
 - ☒ B. D
 - ☒ C. W
 - ☒ D. A

Q.78 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 6 9 1 2 7 6 6 8 1 8 9 6 7 2 4 1 9 1 2 6 8 2 9 6 3 1 7 (Right)

How many such even numbers are there (from left to right), each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☒ A. 3
 - ☒ B. 4
 - ☒ C. 5
 - ☒ D. 6

Q.79 If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$15 - 8 \div 4 + 40 \times 10 + 10 = ?$$

- Ans**
- ☐ A. 114
 - ☐ B. 108
 - ☐ C. 112
 - ☒ D. 110

Q.80 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

ILK-ORQ
QTS-WZY

- Ans**
- ☐ A. CFE-HLJ
 - ☐ B. CEC-HKJ
 - ☐ C. CEC-ILK
 - ☒ D. CFE-ILK

Section : General Awareness and Current Affairs

Q.81 Which of the following missiles was successfully fired by the Defence Research and Development Organisation (DRDO) on 24 September 2025 from a rail-mounted mobile launcher in coordination with the Strategic Forces Command?

- Ans**
- ☐ A. BrahMos Supersonic Cruise Missile
 - ☐ B. Prithvi-II Ballistic Missile
 - ☐ C. Akash Surface-to-Air Missile
 - ☒ D. Intermediate Range Agni-Prime Missile

Q.82 Which of the following rivers was affected by flash floods triggered by torrential rain in Uttarkashi district of Uttarakhand in August 2025?

- Ans**
- ☒ A. Kheer Ganga River
 - ☐ B. Alaknanda River
 - ☐ C. Mandakini River
 - ☐ D. Bhagirathi River

Q.83 Which of the following lunar missions became the first to detect over 250 seismic signals from the Moon's south pole, marking a significant advancement in lunar exploration since the Apollo missions?

- Ans**
- ☐ A. Artemis I
 - ☐ B. Luna 1
 - ☒ C. Chandrayaan-3
 - ☐ D. Chang'e 5

Q.84 Who was appointed as the Chief Minister of Delhi following the 2025 elections?

- Ans**
- ☒ A. Rekha Gupta
 - ☐ B. Arvind Kejriwal
 - ☐ C. Manish Sisodia
 - ☐ D. Atishi Marlena

Q.85 Who is the youngest-ever winner of the Carnegie Medal for writing in 2025, for 'Glasgow Boys'?

- Ans**
- ☐ A. Nigel Slater
 - ☐ B. Charlotte McConaghy
 - ☐ C. Banu Mushtaq
 - ☒ D. Margaret McDonald

Q.86 Where was the 11th National Handloom Day celebrated on 7 August 2025, where the President of India presented the Sant Kabir Handloom Awards and National Handloom Awards?

- Ans**
- ☐ A. Rashtrapati Bhavan, New Delhi
 - ☒ B. Bharat Mandapam, New Delhi
 - ☐ C. Vigyan Bhavan, New Delhi
 - ☐ D. India Gate Lawns, New Delhi

Q.87 What medal did India win in the women's 10m air pistol event at the ISSF Junior World Cup, 2025?

- Ans**
- ☐ A. Silver
 - ☐ B. Bronze
 - ☒ C. Gold
 - ☐ D. No medal

Q.88 In June 2025, how many enforcement actions did the Reserve Bank of India take across financial institutions?

- Ans**
- ☐ A. 253
 - ☐ B. 153
 - ☒ C. 353
 - ☐ D. 453

Q.89 Which Indian-Colombian pair won the men's doubles title at the 2025 Chile Open?

- Ans**
- ☒ A. Rithvik Bollipalli and Nicolás Barrientos
 - ☐ B. Arjun Kadhe and Alejandro Gómez
 - ☐ C. Rohan Bopanna and Juan Sebastián Cabal
 - ☐ D. Yuki Bhambri and Nicolás Barrientos

Q.90 As per the Sustainable Development Goals — National Indicator Framework Progress Report, 2025, published in June 2025, what percentage of the rural population used improved sources of drinking water during the year 2024–2025?

- Ans**
- ☐ A. 95.45%
 - ☐ B. 97.80%
 - ☒ C. 99.62%
 - ☐ D. 98.25%

Q.91 Which of the following countries ranked 1st in the Global Innovation Index 2025 published by the World Intellectual Property Organization (WIPO)?

- Ans**
- ☐ A. United States of America
 - ☐ B. Singapore
 - ☐ C. Sweden
 - ☒ D. Switzerland

Q.92 What is the primary objective of the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite launched from the Satish Dhawan Space Centre in Sriharikota in July 2025?

- Ans**
- ☐ A. To strengthen military surveillance and border security operations
 - ☐ B. To improve global internet connectivity through satellite communication
 - ☒ C. To enhance global monitoring of climate change and natural disasters
 - ☐ D. To explore deep space and study distant planetary atmospheres

Q.93 What is the primary objective of India's Chandrayaan-4 mission scheduled for 2027?

- Ans**
- ☐ A. To study Mars' atmosphere in detail
 - ☐ B. To establish a permanent lunar base on the moon
 - ☒ C. To bring back samples of moon rocks to Earth
 - ☐ D. To launch the first Indian astronaut into space

Q.94 Who among the following was posthumously awarded the Rashtriya Vigyan Puraskar 2025 in 'Vigyan Ratna' category?

- Ans**
- ☒ A. Jayant Vishnu Narlikar
 - ☐ B. Vidya Subramanian
 - ☐ C. Pavannan
 - ☐ D. Prakash Kumar

Q.95 Which of the following two main types of support are provided to rural families under the Poverty-Free Village Scheme launched by Rajasthan in July 2025?

- Ans**
- ☐ A. Health insurance coverage and credit loans
 - ☒ B. Cash assistance and employment opportunities
 - ☐ C. Irrigation infrastructure and farming tools
 - ☐ D. Housing construction and school education

Q.96 What is the title of the 2025 UNICEF report on child nutrition?

- Ans**
- ☒ A. Feeding Profit: How Food Environments Are Failing Children
 - ☐ B. Growing Well: Global Child Nutrition Index
 - ☐ C. Feeding Futures: Nutrition for Children
 - ☐ D. Nourish the Next: Global Nutrition Review

Q.97 Which organisation developed the 10-ton vertical planetary mixer, the world's largest for solid propellants, as reported in 2025?

- Ans**
- ☐ A. Hindustan Aeronautics Limited (HAL)
 - ☐ B. Defence Research and Development Organisation (DRDO)
 - ☐ C. Indian Institute of Science (IISc)
 - ☒ D. Indian Space Research Organisation (ISRO)

Q.98 In June 2025, Standard & Poor's (S&P) Global Ratings revised India's gross domestic product (GDP) growth forecast for FY26 to ____.

- Ans**
- ☐ A. 7.25%
 - ☐ B. 6.75%
 - ☐ C. 7.0%
 - ☒ D. 6.5%

Q.99 In which city was the 23rd edition of the National Para Athletics Championships, 2025, organised?

- Ans**
- ☐ A. Hyderabad
 - ☐ B. Bengaluru
 - ☐ C. New Delhi
 - ☒ D. Chennai

Q.100 In January 2025, Gujarat Chief Minister Bhupendra Patel inaugurated the Khel Mahakumbh in Rajkot, Gujarat, India. Which edition of the event was it?

- Ans**
- ☒ A. 3.0
 - ☐ B. 2.0
 - ☐ C. 4.0
 - ☐ D. 1.0



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Sector 62
Test Date	09/01/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements about average speed is INCORRECT?

Ans ☒ A. It is change in distance divided by change in velocity.

☒ B. It is measured in m/s.

☒ C. It is total distance divided by total time.

☒ D. It does not depend on the direction of motion.

Q.2 Which of the following best explains the origin of coal and petroleum?

Ans ☒ A. Decomposition of volcanic rocks under high pressure

☒ B. Compaction of forest wood under sunlight

☒ C. Crystallisation of minerals under the seabed

☒ D. Fossilisation of plants and animals under high temperature and pressure over millions of years

Q.3 Which of the following crosses will produce all heterozygous offspring in the F1 generation?

Ans ☒ A. $tt \times tt$

☒ B. $TT \times tt$

☒ C. $TT \times TT$

☒ D. $Tt \times Tt$

Q.4 The forces of attraction between particles are _____ in solids, _____ in liquids, and _____ in gases.

Ans ☒ A. maximum, intermediate, minimum

☒ B. maximum, intermediate, maximum

☒ C. maximum, minimum, minimum

☒ D. maximum, minimum, intermediate

Q.5 Which of the following methods is used to separate particles from a suspension?

Ans ☒ A. Filtration

☒ B. Evaporation

☒ C. Distillation

☒ D. Crystallization

Q.6 Which alcohol is commonly used as fuel?

- Ans
- ☐ A. Butanol
 - ☐ B. Propanol
 - ☐ C. Methanol
 - ☒ D. Ethanol

Q.7 Which of the following is NOT a correct expression for electric power (P)?

- Ans
- ☐ A. $P = \frac{V^2}{R}$
 - ☒ B. $P = I \times R^2$
 - ☐ C. $P = V \times I$
 - ☐ D. $P = I^2 \times R$

Q.8 Which method is used to extract metals such as sodium and aluminium, which are at the top of the reactivity series?

- Ans
- ☐ A. Calcination of their carbonate ores
 - ☒ B. Electrolytic reduction of their molten chlorides or oxides
 - ☐ C. Roasting of their sulphide ores
 - ☐ D. Reduction with carbon

Q.9 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Sexual reproduction is essential in plants for maintaining the continuity of the species for many generations.

Reason (R): Sexual reproduction leads to genetic variation that enhances adaptability and evolutionary fitness.

- Ans
- ☐ A. Assertion (A) is false, but Reason (R) is true.
 - ☐ B. Both Assertion (A) and Reason (R) are true but (R) is NOT the correct explanation of Assertion (A).
 - ☐ C. Assertion (A) is true, but Reason (R) is false.
 - ☒ D. Both Assertion (A) and Reason (R) are true, and (R) is the correct explanation of Assertion (A).

Q.10 A current I ampere flows through a metallic wire of resistance $X \Omega$ when a potential difference V volt is applied across its ends. Which of the following is the correct relation between X , I and V ?

- Ans
- ☐ A. $X = I/V$
 - ☐ B. $X = I + V$
 - ☒ C. $X = V/I$
 - ☐ D. $X = I - V$

Q.11 When an object is placed in a fluid, it feels an upward force called buoyancy. On which factor does the magnitude of this buoyant force depend?

- Ans
- ☒ A. The density of the fluid
 - ☐ B. The colour of the object
 - ☐ C. The shape of the object
 - ☐ D. The weight of the object only

Q.12 What does a lens with a power of 1 dioptre indicate?

- Ans
- ☐ A. It has a focal length of 100 m.
 - ☐ B. It has a focal length of 1 cm.
 - ☐ C. It has a magnification of 1.
 - ☒ D. It has a focal length of 1 metre.

Q.13 The Law of Constant Proportions applies to the:

- Ans**
- ☐ A. Elements
 - ☒ B. Pure chemical compounds
 - ☐ C. Mixtures of substances
 - ☐ D. Both mixtures and compounds

Q.14 Why do we see the flash of lightning before we hear the sound of thunder?

- Ans**
- ☐ A. Light travels slower than sound
 - ☒ B. Sound travels slower than light
 - ☐ C. Light is brighter than sound
 - ☐ D. Light and sound travel at the same speed

Q.15 A rainbow is formed in the sky after rain, which is due to _____.

- Ans**
- ☐ A. reflection only
 - ☒ B. refraction and dispersion of light by raindrops
 - ☐ C. absorption of light by water
 - ☐ D. scattering of light by air

Q.16 The work done by friction on a moving object is usually _____.

- Ans**
- ☒ A. negative
 - ☐ B. positive
 - ☐ C. both positive and negative
 - ☐ D. zero

Q.17 A food chain starts from grass → grasshopper → frog → snake → hawk. How much concentration of non-biodegradable pesticides is expected in hawk?

- Ans**
- ☐ A. Equal concentration of pesticide as in the frog
 - ☒ B. The highest concentration of pesticides
 - ☐ C. The lowest amount of pesticide residue
 - ☐ D. No pesticide residue at all

Q.18 Plastids are absent in which of the following cells?

- Ans**
- A. Root cells
 - B. Muscle cells
 - C. Leaf cells
 - D. Stem cells

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.19 Select the correct example of a functional group that DOES NOT represent any double bond in their structure.

- Ans**
- ☐ A. Propanoic acid
 - ☐ B. Propanone
 - ☐ C. Propanal
 - ☒ D. Propanol

Q.20 Which of the following statements about momentum is true?

- Ans**
- ☒ A. Momentum has both magnitude and direction.
 - ☐ B. The SI unit of momentum is kilogram per second.
 - ☐ C. Momentum is the sum of mass and velocity.
 - ☐ D. Momentum has magnitude only and no direction.

Q.21 Match Column A with Column B.

Column A

A. Acids

B. Bases

C. Acid + Base

D. Both conduct electricity

Column B

1. Produce OH^- ions in water

2. Produce H^+ (or H_3O^+) ions in water

3. Form salt and water (neutralisation)

4. Due to presence of ions in solution

Ans ☒ A. A-2; B-1; C-4; D-3

☒ B. A-2; B-1; C-3; D-4

☒ C. A-3; B-4; C-1; D-2

☒ D. A-4; B-3; C-2; D-1

Q.22 Which phenomenon shows the role of the cell wall in osmosis?

Ans ☒ A. Diffusion of gases through cell membrane

☒ B. Plasmolysis observed when living plant cells lose water

☒ C. Absorption of light by chlorophyll during photosynthesis

☒ D. Exchange of gases through stomata of leaves

Q.23 What is the gap between two neurons called?

Ans ☒ A. Stroma

☒ B. Lumen

☒ C. Intermembrane space

☒ D. Synapse

Q.24 The alveoli are surrounded by an extensive network of _____, where the exchange of _____ takes place.

Ans ☒ A. capillaries; gases

☒ B. muscles; pressure

☒ C. bronchi; air

☒ D. nerves; impulses

Q.25 Which part of a flower encloses and shields the developing bud?

Ans ☒ A. Petal

☒ B. Pistil

☒ C. Stamen

☒ D. Sepal

Section : Mathematics

Q.26 If the mode of the given data is 22.75, find the cumulative frequency ($x < 9$).

Class	0-7	7-14	14-21	21-28	28-35	35-42
Interval	7					
Frequency	1	7	9	11	X	3

Ans ☒ A. 50

☒ B. 36

☒ C. 42

☒ D. 28

Q.27 If 80% of 50% of $\frac{3}{8}$ of a number is 537, find the number.

- Ans ☐ A. 5610
☒ B. 3580
☐ C. 5110
☐ D. 5640

Q.28 If $a + b + c = 14$, $ab + bc + ca = 47$ and $abc = 15$, then the value of a^3

- Ans ☐ A. 859
☒ B. 815
☐ C. 802
☐ D. 851

Q.29 A cyclist travels 60 km to a town at a speed of 12 km/hr. Find the time taken by the cyclist.

- Ans ☐ A. 5.5 hours
☐ B. 4.5 hours
☐ C. 4 hours
☒ D. 5 hours

Q.30 In a test, B got 50 marks while A got 75 marks, out of 95 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

- Ans ☐ A. 95.27%
☐ B. 150.46%
☐ C. 78.95%
☒ D. 66.67%

Q.31 In a quadrilateral WXYZ, $\angle W = 74^\circ$ and $\angle X = 58^\circ$. The bisectors of $\angle Y$ and $\angle Z$ meet at O. What is the measure of $\angle ZOY$?

- Ans ☒ A. 66°
☐ B. 60°
☐ C. 59°
☐ D. 68°

Q.32 The arithmetic mean of the observations 95, 45, 85, 45, 51, 85, 84, 66 and 47 is:

- Ans ☒ A. 67
☐ B. 71
☐ C. 59
☐ D. 69

Q.33 Dileep has some hens and some goats. If the total number of animal heads is 33 and the total number of animal feet is 82, how many goats does Dileep have?

- Ans ☒ A. 8
☐ B. 7
☐ C. 6
☐ D. 5

Q.34 Successive discounts of 16% and 7% are equivalent to a single discount of:

- Ans**
- ☐ A. 20.45%
 - ☐ B. 20.42%
 - ☐ C. 25.42%
 - ☒ D. 21.88%

Q.35 The price of fuel decreases by 45%, 60% and 55% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans**
- ☐ A. Increases by 91.17%
 - ☐ B. Increases by 82.11%
 - ☐ C. Decreases by 80.63%
 - ☒ D. Decreases by 85.15%

Q.36 Find the number of all possible distinct pairs of two coprime integers such that their product is 180.

- Ans**
- ☒ A. 4
 - ☐ B. 5
 - ☐ C. 2
 - ☐ D. 3

Q.37 Ten years ago, a father was three times as old as his son. Ten years from now, he will be twice as old as his son. What is the son's present age?

- Ans**
- ☐ A. 45 years
 - ☐ B. 40 years
 - ☐ C. 25 years
 - ☒ D. 30 years

Q.38 If $2^{3m} \times 8 = 2^9$ and $3^{2n} \times 9 = 3^6$, then find the value $\frac{m}{n}$.

- Ans**
- ☐ A. $\frac{2}{3}$
 - ☐ B. $\frac{3}{2}$
 - ☐ C. 2
 - ☒ D. 1

Q.39 The volume (in m^3) of a cuboidal tank with dimensions $34 \text{ m} \times 10 \text{ m} \times 26 \text{ m}$ is:

- Ans**
- ☐ A. 8835
 - ☐ B. 8868
 - ☐ C. 8886
 - ☒ D. 8840

Q.40 The sides of a triangle ABC are $AB = 5 \text{ cm}$, $BC = 6 \text{ cm}$ and $CA = 7 \text{ cm}$, respectively. Another triangle is formed by joining the mid-points of the sides of the triangle ABC. Find the perimeter of the second triangle in cm.

- Ans**
- ☐ A. 12
 - ☒ B. 9
 - ☐ C. 15
 - ☐ D. 18

Q.41 If $\cot \theta = \frac{14}{3}$, then what is the value of $\cos \theta$? ($0^\circ < \theta < 90^\circ$)

Ans

- ☐ A. $\frac{3}{\sqrt{205}}$
- ☒ B. $\frac{14}{\sqrt{205}}$
- ☐ C. $\frac{3}{14}$
- ☐ D. $\frac{1}{7}$

Q.42 If 602 bananas were distributed among three monkeys in the ratio $\frac{1}{2}$:

Ans

- ☐ A. 311
- ☐ B. 281
- ☐ C. 271
- ☒ D. 301

Q.43 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Salil borrowed an amount of ₹4,80,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Salil after 4 years.

Ans

- ☐ A. 68,700
- ☐ B. 66,700
- ☒ C. 67,200
- ☐ D. 68,200

Q.44 The average speed of a car running at 70 km/hr for 1 hour and 'p' hr

Ans

- ☒ A. 45
- ☐ B. 62.5
- ☐ C. 65
- ☐ D. 57.5

Q.45 Find the ratio between the fourth proportional of 1, 3 and 6 to the mean proportional of 12 and 3.

Ans

- ☐ A. 1 : 6
- ☒ B. 3 : 1
- ☐ C. 3 : 2
- ☐ D. 2 : 2

Q.46 A trader buys some goods for ₹200. If the overhead expenses be 10% of the cost price, then at what price should it be sold to earn 25%?

Ans

- ☐ A. ₹285
- ☐ B. ₹280
- ☐ C. ₹270
- ☒ D. ₹275

- Q.47 A retailer offers the following discount schemes for buyers on an article. Which scheme will be the LEAST beneficial to the customer?
- i. A discount of 37%.
 - ii. A discount of 33% followed by a discount of 43%.
 - iii. Successive discounts of 46% and 22%.

Ans ☒ A. Scheme i
☒ B. Scheme ii
☒ C. Scheme iii
☒ D. Scheme i and Scheme iii

- Q.48 P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 14 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

Ans ☒ A. 21
☒ B. 42
☒ C. 43
☒ D. 22

- Q.49 **Simplify:**
 $36 - 30 + 300.3 - 0.26$

Ans ☒ A. 306.04
☒ B. 305
☒ C. 306.3
☒ D. 306

- Q.50 Pipe A can fill a cistern in 18 hours, and Pipe B can fill it in 12 hours. However, there is a leakage in the cistern that can empty it in 36 hours. If both pipes and the leakage are active, how long will it take to fill $\frac{1}{3}$ rd part of the cistern?

Ans ☒ A. 3 hours
☒ B. 2 hours
☒ C. 4 hours
☒ D. 1 hours

Section : General Intelligence and Reasoning

- Q.51 Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 3 8 6 5 2 6 9 8 3 4 2 3 5 8 7 2 3 9 7 9 3 2 8 7 6 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by a prime number?

Ans ☒ A. More than three
☒ B. Two
☒ C. Three
☒ D. One

Q.52 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☒ A. UP - OI
☐ B. VQ - PK
☐ C. TO - NI
☐ D. QL - KF

Q.53 Nishant starts from point A and drives 45 km towards the north. He then takes a right turn, drives 44 km, turns right and drives 60 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 15 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. 11 km to the west
☐ B. 10 km to the east
☒ C. 12 km to the east
☐ D. 13 km to the north

Q.54 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is K related to G if 'G # E # C + K # P'?

- Ans ☐ A. Mother's father
☐ B. Sister's daughter
☒ C. Mother's sister
☐ D. Mother's mother

Q.55 Six people, A, B, C, D, E and F, are sitting in a row, facing north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the line?

- Ans ☒ A. B
☐ B. E
☐ C. F
☐ D. A

Q.56 NETI is related to XODS in a certain way based on the English alphabetical order. In the same way, BSHW is related to LCRG. To which of the following options is FWLA related, following the same logic?

- Ans ☐ A. PKLO
☐ B. PGBN
☐ C. PVHY
☒ D. PGVK

Q.57 Town G is to the north of Town F. Town H is to the east of Town F. Town I is to the north of Town H. Town J is to the east of Town I. Town K is to the east of Town J. What is the position of Town K with respect to Town F?

- Ans**
- ☐ A. North
 - ☒ B. Northeast
 - ☐ C. Southeast
 - ☐ D. South

Q.58 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 4 3 5 1 2 9 8 9 4 7 7 4 5 4 8 5 6 2 4 7 3 3 4 6 3 7 5 (Right)

How many such odd numbers are there (from left to right), each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☒ A. 3
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 5

Q.59 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

FO-HQ-KM
HQ-JS-MO

- Ans**
- ☐ A. IS-LV-OR
 - ☐ B. JS-LU-OR
 - ☒ C. JS-LU-OQ
 - ☐ D. IS-LU-OR

Q.60 If 2 is added to each odd digit and 3 is subtracted from each even digit in the number 5718436, then what will be the difference between the greatest and smallest digit in the new number thus formed?

- Ans**
- ☐ A. 7
 - ☐ B. 6
 - ☒ C. 8
 - ☐ D. 9

Q.61 What should come in place of the question mark (?) in the given series?

8 12 21 37 ? 98

- Ans**
- ☐ A. 65
 - ☐ B. 66
 - ☐ C. 68
 - ☒ D. 62

Q.62 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(8, 25, 16)

(13, 35, 26)

- Ans**
- ☒ A. (17, 43, 52)
 - ☒ B. (7, 23, 32)
 - ☒ C. (15, 39, 30)
 - ☒ D. (9, 9, 18)

Q.63 IB 16 is related to ME 13 in a certain way. In the same way, OH 25 is related to SK 22. To which of the following is UN 28 related, following the same logic?

- Ans**
- ☒ A. ZP 26
 - ☒ B. ZP 25
 - ☒ C. YQ 26
 - ☒ D. YQ 25

Q.64 Six people P, Q, R, S, T and U are sitting around a circular table facing towards the centre of the table.
Exactly two people sit between S and T.
U sits to the immediate left of T.
R is immediate neighbour of S and Q both.
Who is an immediate neighbour of both S and U?

- Ans**
- ☒ A. R
 - ☒ B. Q
 - ☒ C. P
 - ☒ D. T

Q.65 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NEU RHW VKY ZNA ?

- Ans**
- ☒ A. CRB
 - ☒ B. CQD
 - ☒ C. EPD
 - ☒ D. DQC

Q.66 All 62 people are standing in a row facing north. Shlok is 20th from the right end, while Biplov is 45th from the left end. How many people are there between Shlok and Biplov?

- Ans**
- ☒ A. 2
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 1

Q.67 What should come in place of the question mark (?) in the given series?

157 134 111 88 65 ?

- Ans ☐ A. 46
☐ B. 44
☐ C. 40
☒ D. 42

Q.68 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) 7 7 & & # 3 3 # 9 1 4 € 4 # # 7 £ \$ 4 © 9 6 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans ☐ A. 2
☐ B. 4
☐ C. 5
☒ D. 3

Q.69 In a certain code language, 'how are you' is coded as 'pl mk jt' and 'where you are' is coded as 'jt mk sq'. How is 'where' coded in that language?

- Ans ☐ A. jt
☐ B. mk
☐ C. pl
☒ D. sq

Q.70 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☐ A. TW-XA
☐ B. GJ-KN
☐ C. DG-HK
☒ D. HK-KQ

Q.71 This question is based on the five, three-digit numbers given below.

(Left) 687 652 691 287 286 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans ☐ A. 16
☒ B. 15
☐ C. 19
☐ D. 17

Q.72 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 watches are figs.

All ships are kings.

No figs are ships.

Conclusions:

(I): Some kings are not figs.

(II): Some watches are ships.

- 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.73 If 1 is added to each even digit and 1 is added to each odd digit in the number 612374, what will be the sum of all the odd digits in the new number thus formed?

- Ans**
- ☒ A. 15
 - ☒ B. 19
 - ☒ C. 17
 - ☒ D. 13

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

HO22 JQ31 LS40 NU49 ?

- Ans**
- ☒ A. PX58
 - ☒ B. PW58
 - ☒ C. PW59
 - ☒ D. PX59

Q.75 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$59 - 72 \times 8 + (64 \div 4) \times 8 - 16 \div 3 = ?$$

- Ans**
- ☒ A. 110
 - ☒ B. 68
 - ☒ C. 96
 - ☒ D. 84

Q.76 Seven boxes, D, E, F, U, V, W and X, are kept one over the other but not necessarily in the same order. Only U is kept above D. Only V is kept between D and F. No box is kept below E. Only three boxes are kept between D and W. How many boxes are kept between X and E?

- Ans**
- ☒ A. Four
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. Three

Q.77 In a certain code language, 'rat able run' is coded as 'ei bm wx' and 'cap rat ant' is coded as 'bm iy ve'. How is 'rat' coded in the given language?

- Ans**
- ☐ A. wx
 - ☐ B. ei
 - ☒ C. bm
 - ☐ D. iy

Q.78 Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line, facing north. Only three people sit between L and O. No one sits to the right of N. Only one person sits between N and O. M is an immediate neighbour of both Q and L. R sits to the immediate left of O. How many people sit between S and L?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☒ C. Four
 - ☐ D. Three

Q.79 What should come in place of the question mark (?) in the given series?

3 9 ? 81 243 729

- Ans**
- ☐ A. 28
 - ☐ B. 25
 - ☐ C. 26
 - ☒ D. 27

Q.80 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 conclusion(s) logically follow(s) from the statements.

Statements:

Some rails are cars.
No car is a bus.

Conclusions:

(I) Some rails are bus.
(II) Some cars are rails.

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

Section : General Awareness and Current Affairs

Q.81 Which of the following was rated as 'Good' by the International Union for Conservation of Nature (IUCN) in its global review of Natural World Heritage Sites in November 2025?

- Ans**
- ☐ A. Sundarbans National Park
 - ☒ B. Khangchendzonga National Park
 - ☐ C. Great Himalayan National Park Conservation Area
 - ☐ D. Nanda Devi and Valley of Flowers National Parks

Q.82 Which of the following states launched Artificial Intelligence powered cybercrime protection for women and children in June 2025?

- Ans** ☒ A. Maharashtra
☐ B. Odisha
☐ C. Kerala
☐ D. Gujarat

Q.83 Which of the following sports is NOT represented among the 2025 Laureus individual award winners?

- Ans** ☐ A. Surfing
☐ B. Tennis
☒ C. Cricket
☐ D. Gymnastics

Q.84 Who defeated Tanushree Pandey in the final of the World Soft Tennis Championship, 2024, held at Jingshan, China, in November 2024?

- Ans** ☐ A. Kim Soo Jin
☐ B. Yuki Tanaka
☒ C. Chiang Min Yu
☐ D. Liu Wei

Q.85 According to the Finland-based Centre for Research on Energy and Clean Air (CREA), which city in India recorded the highest pollution levels in October 2025, with a monthly PM2.5 average of 123 $\mu\text{g}/\text{m}^3$?

- Ans** ☐ A. Delhi
☐ B. Noida
☒ C. Dharuhera
☐ D. Gurugram

Q.86 According to the data compiled by the Tea Board of India and reported in March 2025, which country did India surpass to become the second-largest tea exporter in 2024?

- Ans** ☐ A. China
☐ B. Kenya
☒ C. Sri Lanka
☐ D. Vietnam

Q.87 Which of these ISRO-led national initiatives, launched in July 2025, exemplifies international scientific collaboration while strengthening India's Earth-observation and monitoring capabilities?

- Ans** ☒ A. NISAR
☐ B. Aditya-L2
☐ C. Gaganyaan
☐ D. GSAT-12

Q.88 In which month was the Economic Survey 2024-25 presented?

- Ans** ☒ A. January 2025
☐ B. April 2025
☐ C. March 2025
☐ D. February 2025

Q.89 Which of the following states has become the third state in India to achieve 'Full Functional Literacy' under the ULLAS scheme, in June 2025?

- Ans**
- ☐ A. Mizoram
 - ☐ B. Goa
 - ☐ C. Kerala
 - ☒ D. Tripura

Q.90 Who was the Guest of Honour at the 18th Pravasi Bharatiya Convention held in Bhubaneswar on 8 January 2025?

- Ans**
- ☒ A. Dr Dev Pragad
 - ☐ B. Sundar Pichai
 - ☐ C. H E Pravind Jugnauth
 - ☐ D. Meenakshi Lekhi

Q.91 According to a June 2025 news update, on which date is Dan Brown's new Robert Langdon thriller *The Secret of Secrets* scheduled for publication?

- Ans**
- ☒ A. 9 September 2025
 - ☐ B. 13 May 2025
 - ☐ C. 25 March 2025
 - ☐ D. 18 November 2025

Q.92 International Women's Day, a global day celebrating the social, economic, cultural and political achievements of women, is celebrated on which of the following dates?

- Ans**
- ☐ A. 21 September
 - ☐ B. 20 November
 - ☐ C. 16 June
 - ☒ D. 8 March

Q.93 Which individual, celebrated as India's first Paralympic gold medalist, was honoured with the Arjuna Lifetime Achievement Award in January 2025?

- Ans**
- ☒ A. Murlikant Petkar
 - ☐ B. Mariyappan Thangavelu
 - ☐ C. Devendra Jhajharia
 - ☐ D. Deepa Malik

Q.94 Which of the following legislations was approved by the Rajya Sabha on 12 August 2025, aiming to recognise national sports organisations and oversee their operations?

- Ans**
- ☐ A. Olympic and Sports Administration Bill, 2025
 - ☐ B. National Sports Promotion Bill, 2025
 - ☐ C. Sports Regulation and Management Bill, 2025
 - ☒ D. National Sports Governance Bill, 2025

Q.95 In 2025, under which project did Guntur, Andhra Pradesh, deploy over 200 electric autos for door-to-door garbage collection?

- Ans**
- ☐ A. National Urban Livelihoods Mission
 - ☐ B. Smart Cities Mission
 - ☐ C. Clean Cities Mission
 - ☒ D. Sustainable Cities Integrated Pilot Approach

Q.96 The Constitution (One Hundred and Thirtieth Amendment) Bill introduced in the Lok Sabha on 20 August 2025 allows the removal of a Central or State Minister if detained for how many consecutive days on corruption or serious charges?

- Ans**
- ✓ A. 30 days
 - ✗ B. 15 days
 - ✗ C. 45 days
 - ✗ D. 20 days

Q.97 Who was appointed as the Chairman of the Economic Advisory Council to the PM in June 2025?

- Ans**
- ✗ A. Vijay Kelkar
 - ✗ B. Arvind Subramanian
 - ✗ C. Poonam Gupta
 - ✓ D. Mahendra Dev

Q.98 How many Padma Vibhushan awards were given in 2025?

- Ans**
- ✗ A. 12
 - ✓ B. 7
 - ✗ C. 10
 - ✗ D. 5

Q.99 Against which team did Australia set the highest successful chase of 356/5 in the 2025 Champions Trophy?

- Ans**
- ✓ A. England
 - ✗ B. Afghanistan
 - ✗ C. India
 - ✗ D. South Africa

Q.100 What was the cause of the warehouse explosion in Gujarat in April 2025?

- Ans**
- ✓ A. Aluminium powder explosion
 - ✗ B. Chemical fire
 - ✗ C. Gas leak
 - ✗ D. Short circuit from power grid



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Umang Infotech
Test Date	09/01/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Calcium oxide reacts vigorously with water to form calcium hydroxide.

Reason (R): In a combination reaction, two or more substances combine to form one product.

- Ans**
- ☒ A. Both A and R are true, and R is not the correct explanation of A.
 - ☒ B. A is false, but R is true.
 - ☒ C. A is true, but R is false.
 - ☒ D. Both A and R are true, and R is the correct explanation of A.

Q.2 Sodium hydroxide is formed by:

- Ans**
- ☒ A. Passing chlorine through water
 - ☒ B. Dissolving sodium in ethanol
 - ☒ C. Reacting sodium with carbon dioxide
 - ☒ D. Passing electricity through brine

Q.3 Which of the following situations demonstrates Newton's Second Law of Motion?

- Ans**
- ☒ A. A car speeding up on the road
 - ☒ B. A satellite moving around Earth
 - ☒ C. A book lying still on the table
 - ☒ D. A man standing inside a lift

Q.4 What will happen to a Hydra if it is cut into multiple pieces?

- Ans**
- ☒ A. Only the head part will grow into a complete individual.
 - ☒ B. Each piece will reproduce by budding.
 - ☒ C. All pieces will die immediately.
 - ☒ D. Each piece will regenerate to form new individuals.

Q.5 A constant force of 'X' N acts on a body such that the body undergoes a displacement of 5 m in the same direction as the force. If the work done due to the force is 500 J, then what is the value of X?

- Ans**
- ☐ A. 250 N
 - ☒ B. 100 N
 - ☐ C. 2500 N
 - ☐ D. 1/100 N

Q.6 A sealed packet has a mass of 500 g and a volume of 350 cm^3 . Given the density of water is 1 g cm^{-3} , will the packet float or sink in water, and why?

- Ans**
- ☐ A. Sink, because the total volume is high.
 - ☐ B. Float, because its density is less than water.
 - ☒ C. Sink, because its density is greater than water's density.
 - ☐ D. Float, because its mass is low.

Q.7 Which of the following metals does NOT react with dilute hydrochloric acid under normal conditions?

- Ans**
- ☐ A. Aluminium
 - ☐ B. Iron
 - ☒ C. Copper
 - ☐ D. Zinc

Q.8 Which of the following phenomena CANNOT be explained without dispersion of light?

- Ans**
- ☐ A. Mirages.
 - ☒ B. Rainbow formation.
 - ☐ C. Advanced sunrise.
 - ☐ D. Twinkling of stars.

Q.9 The number of mitochondria in a cell varies depending on which of the following?

- Ans**
- ☐ A. The age of the organism
 - ☐ B. The amount of DNA present in the cell
 - ☒ C. The physiological activity of the cell
 - ☐ D. The size of the nucleus

Q.10 Which of the following relations is correct for expressing power in terms of voltage and resistance?

- Ans**
- ☐ A. $P = R/V^2$
 - ☐ B. $P = VR/I$
 - ☐ C. $P = I/VR$
 - ☒ D. $P = V^2/R$

Q.11 In the case of a convex lens, under what specific object position is the image formed at $2F$ (F is the focal length) and has the same size as the object?

- Ans**
- ☐ A. At focus F
 - ☒ B. At $2F$
 - ☐ C. At infinity
 - ☐ D. Beyond $2F$

Q.12 The total resistance of 5 resistors of equal resistance R arranged in a parallel arrangement is _____.

- Ans
- ☐ A. $5/R$
 - ☒ B. $R/5$
 - ☐ C. $5R$
 - ☐ D. $R5$

Q.13 In galvanisation, which metal is used to coat iron?

- Ans
- ☐ A. Lead
 - ☐ B. Copper
 - ☐ C. Aluminum
 - ☒ D. Zinc

Q.14 Which of the following processes is a physical change?

- Ans
- ☒ A. Crystallisation
 - ☐ B. Fermentation
 - ☐ C. Rusting
 - ☐ D. Combustion

Q.15 Which of the following is a non-metal?

- Ans
- ☐ A. Copper
 - ☒ B. Chlorine
 - ☐ C. Mercury
 - ☐ D. Zinc

Q.16 Select the INCORRECT statement regarding variation in plants.

- Ans
- ☐ A. They are produced due to inaccuracy in the copying of DNA.
 - ☒ B. Asexual reproduction is a regular source of variations in a population.
 - ☐ C. Individuals within a population are unique due to the variations.
 - ☐ D. They are produced during sexual reproduction.

Q.17 What happens when a solid is heated continuously?

- Ans
- ☐ A. It shrinks
 - ☒ B. It melts and may later evaporate
 - ☐ C. It expands and turns into a gas
 - ☐ D. It evaporates directly

Q.18 Which of the following is a common category of agents that can cause diseases in poultry fowl?

- Ans
- ☐ A. Vitamins and minerals only
 - ☒ B. Viruses, bacteria, and fungi
 - ☐ C. Purely genetic factors
 - ☐ D. Sunlight exposure

Q.19 Which of the following statements explains why insectivorous plants evolved to trap insects?

- Ans
- ☐ A. To compete with herbivores for space
 - ☒ B. To supplement nitrogen and other nutrients
 - ☐ C. To take cellulose from plant tissues
 - ☐ D. To survive in habitats with low sunlight

Q.20 In a neutral solution, red and blue litmus paper will:

- Ans**
- ☐ A. both turn red
 - ☐ B. both turn green
 - ☒ C. both remain unchanged
 - ☐ D. both turn blue

Q.21 Which contraceptive method provides dual protection against pregnancy and most sexually transmitted diseases?

- Ans**
- ☐ A. Copper -T
 - ☐ B. Surgical methods
 - ☐ C. Oral contraceptive pills
 - ☒ D. Male condom

Q.22 Some organisms take in whole food material and break it down inside their bodies. This is called _____ nutrition.

- Ans**
- ☐ A. parasitic
 - ☐ B. saprophytic
 - ☐ C. autotrophic
 - ☒ D. holozoic

Q.23 What does the velocity-time graph look like for an object moving with uniform velocity?

- Ans**
- ☒ A. A straight line parallel to the time axis
 - ☐ B. A straight line sloping downwards
 - ☐ C. A curved line rising gradually
 - ☐ D. A straight line sloping upwards

Q.24 Which of the following contributes directly to forest conservation?

- Ans**
- ☐ A. Mining
 - ☐ B. Logging
 - ☒ C. Social Forestry
 - ☐ D. Urbanization

Q.25 When the temperature of air increases, the speed of sound waves:

- Ans**
- ☒ A. increases
 - ☐ B. decreases
 - ☐ C. remains constant
 - ☐ D. becomes zero

Section : Mathematics

Q.26 The monthly incomes of two friends Vipul and Vijay, are in the ratio 5 : 8, respectively, and each of them saves ₹84,000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of Vipul (in ₹).

- Ans**
- ☐ A. 1,06,000
 - ☒ B. 1,05,000
 - ☐ C. 1,04,000
 - ☐ D. 1,47,000

Q.27 Find the single equivalent discount (rounded off to two decimal places) for successive discounts of 23%, 11%, and 29%.

- Ans** ☒ A. 51.34%
☐ B. 50.12%
☐ C. 51.85%
☐ D. 53.72%

Q.28 'X' can complete the work order in 15 days and 'Y' can complete the same work order in 12 days. With the help of 'F', the three of them finished the work in 5 days. How many days would 'F' take to complete the work alone?

- Ans** ☐ A. 15 days
☐ B. 5 days
☐ C. 10 days
☒ D. 20 days

Q.29 A cyclist covers a distance of 800 m in 2 minutes. Find the speed (in km/hr) of the cyclist.

- Ans** ☒ A. 24
☐ B. 25
☐ C. 16
☐ D. 20

Q.30 An item with a marked price of ₹606 was sold for ₹304. What was the percentage of discount given? (Round off your answer to two decimal places.)

- Ans** ☐ A. 50.65%
☐ B. 47.63%
☐ C. 51.58%
☒ D. 49.83%

Q.31 What is the mode of the following data?

53, 47, 53, 48, 53, 53, 40, 41, 50, 50, 55, 48, 54, 49, 49, 51, 46, 45

- Ans** ☒ A. 53
☐ B. 47
☐ C. 48
☐ D. 40

Q.32 The amount on a sum of ₹4,900 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☒ A. ₹5,929
☐ B. ₹6,684
☐ C. ₹5,988
☐ D. ₹6,509

Q.33 A wholesaler bought goods for ₹15,000 and sold them to a retailer at 20% profit. The retailer then sold the goods to customers at 25% profit. What is the final selling price to customers?

- Ans** ☒ A. ₹22,500
☐ B. ₹23,000
☐ C. ₹23,500
☐ D. ₹22,000

Q.34 The mode of a distribution is 21 and the mean is 60. The value of its median is:

- Ans**
- ☐ A. 51
 - ☐ B. 49
 - ☒ C. 47
 - ☐ D. 45

Q.35 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 48^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 5, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☐ A. 22°
 - ☐ B. 29°
 - ☐ C. 27°
 - ☒ D. 24°

Q.36 Find the value of $5\sec^2\theta - 5\tan^2\theta$.

- Ans**
- ☐ A. -5
 - ☒ B. 5
 - ☐ C. 0
 - ☐ D. 1

Q.37 A solid metallic sphere of radius 9 cm is melted and recast into 27 smaller solid spheres of equal size. Find the surface area of one small sphere.

- Ans**
- ☐ A. $24\pi \text{ cm}^2$
 - ☒ B. $36\pi \text{ cm}^2$
 - ☐ C. $48\pi \text{ cm}^2$
 - ☐ D. $42\pi \text{ cm}^2$

Q.38 Keshav spends 70% of his income. If he saves ₹18,000, then his income (in ₹) is:

- Ans**
- ☐ A. 61,000
 - ☐ B. 12,600
 - ☐ C. 59,000
 - ☒ D. 60,000

Q.39 If $(0.04)^2 \div (0.008) \times (0.2)^6 = (0.2)^x$, then find x.

- Ans**
- ☐ A. 16
 - ☒ B. 7
 - ☐ C. 17
 - ☐ D. 6

Q.40 ₹6,874 is to be divided among three persons X, Y and Z. If the shares of X and Y are in the ratio 5 : 9 and that of Y and Z are in the ratio 9 : 7, what is the share (in ₹) of Y?

- Ans**
- ☐ A. 2,945
 - ☐ B. 2,947
 - ☒ C. 2,946
 - ☐ D. 2,948

Q.41 The present age of Ramesh is 3 times that of Mahesh. Five years ago, the ratio of their ages was 4 : 1. What is the present age of Ramesh?

- Ans**
- ☐ A. 30 years
 - ☐ B. 15 years
 - ☒ C. 45 years
 - ☐ D. 40 years

Q.42 What is the volume of the largest sphere that can be carved out of a ci



- Ans
- ☐ A. $6.5\pi \text{ cm}^3$
 - ☐ B. $7.4\pi \text{ cm}^3$
 - ☐ C. $2.5\pi \text{ cm}^3$
 - ☒ D. $4.5\pi \text{ cm}^3$

Q.43 The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 7% and savings increase by 21%, then by what percentage does her income increase?

- Ans
- ☐ A. 5%
 - ☐ B. 0.03%
 - ☒ C. 1%
 - ☐ D. 6%

Q.44 A father's current age is three times the age of his son. Five years ago from now, the father's age was four times the age of his son at that time. What are their present ages?

- Ans
- ☒ A. 45 years and 15 years
 - ☐ B. 42 years and 14 years
 - ☐ C. 40 years and 13 years
 - ☐ D. 50 years and 17 years

Q.45 P and Q together can fill a cistern with water in 7 hours. If P alone can fill the cistern with water in 56 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans
- ☐ A. 4
 - ☐ B. 3
 - ☒ C. 2
 - ☐ D. 5

Q.46 What is the Highest Common Factor (HCF) of 252 and 378?

- Ans
- ☐ A. 84
 - ☒ B. 126
 - ☐ C. 63
 - ☐ D. 42

Q.47 The market prices of paddy and jowar are in the ratio 1 : 3, and a family consumes them in the ratio 5 : 7 by quantity. Find the ratio of expenditure on paddy to that on jowar.

- Ans
- ☐ A. 7 : 23
 - ☐ B. 9 : 25
 - ☐ C. 6 : 22
 - ☒ D. 5 : 21

Q.48 Walking at $\frac{5}{6}$ th of his normal speed from his home, Lakshya is 24 min late. The usual time taken by him to cover the distance between his home and



- Ans
- ☐ A. 129 minutes
 - ☒ B. 120 minutes
 - ☐ C. 117 minutes
 - ☐ D. 121 minutes

Q.49 The sum of twin prime numbers is 36. Find the product of the twin prime numbers.

- Ans**
- ☒ A. 299
 - ☒ B. 323
 - ☒ C. 155
 - ☒ D. 203

Q.50 The sum of two numbers P and Q is 17 and their product is 56. Find the value of $P^2 + Q^2$.

- Ans**
- ☒ A. 177
 - ☒ B. 146
 - ☒ C. 162
 - ☒ D. 158

Section : General Intelligence and Reasoning

Q.51 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 letter-cluster pair 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. RT - PV
 - ☒ B. IK - HJ
 - ☒ C. DF - BH
 - ☒ D. MO - KQ

Q.52 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 6 6 2 6 3 3 2 3 6 6 3 3 4 2 4 4 5 1 5 4 7 5 4 6 9 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans**
- ☒ A. 2
 - ☒ B. 4
 - ☒ C. 3
 - ☒ D. 1

Q.53 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 8 4 6 4 6 1 9 6 7 2 2 2 1 5 5 1 6 6 7 2 5 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. None

- Q.54** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 4 6 7 4 8 3 9 6 5 2 3 9 1 4 2 (Right)

How many such odd numbers are there, each of which is immediately preceded by a perfect square and immediately followed by an even number?
(NOTE: 1 is also a perfect square.)

- Ans** ☒ A. Three
☒ B. More than three
☒ C. One
☒ D. Two

- Q.55** 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(32, 16, 8)
(48, 24, 12)

- Ans** ☒ A. (156, 78, 39)
☒ B. (128, 64, 42)
☒ C. (196, 98, 46)
☒ D. (188, 124, 48)

- Q.56** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SWE `QUC `OSA `MQY `?

- Ans** ☒ A. KIO
☒ B. KWO
☒ C. KOI
☒ D. KOW

- Q.57** Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DFC-ACZ
UWT-RTQ

- Ans** ☒ A. EFB-ACZ
☒ B. EFB-BDA
☒ C. EGD-BDA
☒ D. EGD-ADZ

- Q.58** In a shopping mall, Shop A is to the north of Shop B. Shop F is to the east of Shop A. Shop E is to the west of Shop F and Shop A is to the east of Shop E. Shop D is to the north of Shop E. What is the position of Shop D with respect to Shop B?

- Ans** ☒ A. West
☒ B. North-west
☒ C. North
☒ D. South-west

Q.59 What should come in place of the question mark (?) in the given series?

112 92 74 58 44 ?

- Ans** ☒ A. 32
☐ B. 34
☐ C. 28
☐ D. 30

Q.60 What should come in place of the question mark (?) in the given series?

9012 9013 9011 9014 9010 ?

- Ans** ☐ A. 9014
☐ B. 9013
☒ C. 9015
☐ D. 9016

Q.61 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. F sits fourth to the left of E. Only one person sits between B and E. C sits to the immediate left of B. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

- Ans** ☐ A. BD
☒ B. FA
☐ C. CB
☐ D. DE

Q.62 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$76 \times 4 - (80 \div 10) \times 4 + 50 \div 2 = ?$

- Ans** ☒ A. 119
☐ B. 146
☐ C. 95
☐ D. 128

Q.63 Aarav starts from Point A and drives 13 km towards east. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☐ A. 3 km to the south
☐ B. 4 km to the north
☐ C. 4 km to the south
☒ D. 3 km to the north

Q.64 In a certain code language, 'obey the lights' is coded as 'ro hm jw' and 'lights flash red' is coded as 'ld yc hm'. How is 'lights' coded in the given language?

- Ans** ☐ A. ld
☐ B. ro
☐ C. jw
☒ D. hm

- Q.65** 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:

All cakes are hearts.
Some seats are hearts.
No bats are hearts.

Conclusions:

(I): Some seats are not bats.
(II): No cakes are seats.

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

- Q.66** What should come in place of the question mark (?) in the given series?

45 58 63 76 81 94 ?

- Ans** ☒ A. 99
☒ B. 101
☒ C. 96
☒ D. 93

- Q.67** Eight people (A, B, C, D, E, F, G and H) are sitting around a circular table, facing towards the centre.

Exactly three people sit between D and C. Exactly three people sit between F and H. A sits second to the right of D. E sits to the immediate right of A. D is an immediate neighbour of both H and G. B sits to the immediate left of G.

How many people sit between B and H, when counted from the left of H?

- Ans** ☒ A. 4
☒ B. 1
☒ C. 2
☒ D. 3

- Q.68** Six friends — John, Alex, Priyanka, Sameer, Rohit and Neil — are sitting around a circular table facing the centre. John is an immediate neighbour of both Alex and Priyanka. Sameer is sitting second to the left of Priyanka. Neil is sitting to the immediate left of Sameer.

Who is sitting to the immediate left of Neil?

- Ans** ☒ A. Alex
☒ B. Rohit
☒ C. John
☒ D. Priyanka

- Q.69** 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?

80 A 4 C 15 B 6 D 9 B 3 C (18 A 6) B 10 = ?

- Ans** ☒ A. 129
☒ B. 150
☒ C. 138
☒ D. 113

Q.70 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 6 2 7 2 9 3 2 2 3 7 6 5 8 4 6 1 9 7 9 4 8 3 6 1 2 3 (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. 4
☒ D. 2

Q.71 In a certain code language, 'TOUR' is coded as '4139' and 'BRUT' is coded as '4318'. What is the code for 'B' in that language?

- Ans ☒ A. 4
☒ B. 8
☒ C. 1
☒ D. 3

Q.72 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:

All Reds are Blues.

All Blues are Greens.

Some Greens are Yellows.

Conclusions:

(I): All Blues are Yellows.

(II): Some Greens are Reds.

- Ans ☒ A. Only conclusion (II) is true
☒ B. Neither conclusion (I) nor (II) is true
☒ C. Both conclusions (I) and (II) are true
☒ D. Only conclusion (I) is true

Q.73 John ranked 20th from the bottom and 33rd from the top in his class. How many students are there in his class?

- Ans ☒ A. 51
☒ B. 52
☒ C. 53
☒ D. 50

Q.74 STPT is related to RSOS in a certain way based on the English alphabetical order. In the same way, RSOS is related to QRNR. To which of the following is BCYC related, following the same logic?

- Ans ☒ A. ABWB
☒ B. ABXB
☒ C. AAWB
☒ D. ACWD

Q.75 PSOK is related to VYUQ in a certain way based on the English alphabetical order. In the same way, EILJ is related to KORP. To which of the following is MPQT related, following the same logic?

- Ans**
- ☐ A. TUWY
 - ☐ B. SVWY
 - ☐ C. TUVZ
 - ☒ D. SVWZ

Q.76 In a certain code language,

A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A % B means 'A is the father of B' and
A # B means 'A is the daughter of B'.

How is Q related to R if 'R - E % C # Q + V'?

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

Q.77 Seven boxes, B, D, E, P, S, T and W, are kept one over the other, but not necessarily in the same order.

No box is kept above P. Only three boxes are kept between P and B. Only one box is kept between D and S. S is kept immediately above B. Only four boxes are kept between D and T. E is kept at some place above W.

Which box is kept second below E?

- Ans**
- ☐ A. D
 - ☐ B. S
 - ☒ C. B
 - ☐ D. T

Q.78 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. TWYC
 - ☐ B. HKMQ
 - ☒ C. ILMR
 - ☐ D. GJLP

Q.79 If 'P' stands for 'x', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '÷', what will come in place of the question mark (?) in the following equation?

17 P 3 S (16 Q 4) P 2 R 13 P 4 S 15 = ?

- Ans**
- ☐ A. 40
 - ☐ B. 18
 - ☐ C. 36
 - ☒ D. 22

Q.80 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PRT 28 VXZ 21 BDF 14 HJL 7 ?

- Ans**
- ☒ A. NOQ -1
 - ☒ B. NQQ 0
 - ☒ C. NRW -1
 - ☒ D. NPR 0

Section : General Awareness and Current Affairs

Q.81 Which of the following countries hosted the Kabaddi World Cup, 2025, first time outside Asia?

- Ans**
- ☒ A. England
 - ☒ B. Tajikistan
 - ☒ C. Italy
 - ☒ D. Qatar

Q.82 The 2025 Wimbledon Championships took place in which city?

- Ans**
- ☒ A. Paris, France
 - ☒ B. Melbourne, Australia
 - ☒ C. New York, USA
 - ☒ D. London, UK

Q.83 _____ is the massive sports talent hunt introduced by Bihar CM Nitish Kumar in May 2025, designed for secondary and higher secondary school students.

- Ans**
- ☒ A. Khel Pratibha Khoj Abhiyan
 - ☒ B. Bihar Sports Samarthan Yojana
 - ☒ C. Mashal
 - ☒ D. Lakshya

Q.84 Who received the Padma Vibhushan in 2025 for their contributions to the dance form, Kathak?

- Ans**
- ☒ A. Kumudhini Lakhia
 - ☒ B. Kelucharan Mohapatra
 - ☒ C. Birju Maharaj
 - ☒ D. Shobana Chandrakumar

Q.85 What is the 2025 Guinness World Record recently set by Nigerian chess master Tunde Onakoya?

- Ans**
- ☒ A. Longest single chess move
 - ☒ B. Longest chess marathon
 - ☒ C. Most simultaneous chess games
 - ☒ D. Longest blitz chess game

Q.86 Lala Lajpat Rai, whose 160th birth anniversary was observed on 28 January 2025, was popularly known by which title?

- Ans**
- ☒ A. Netaji
 - ☒ B. Lokmanya Tilak
 - ☒ C. Deshbandhu
 - ☒ D. Punjab Kesari

Q.87 A 24-hour wildlife census using the waterhole method, which recorded the sighting of 73 Great Indian Bustards, was conducted in June 2025 in which of the following national parks?

- Ans**
- ✓ A. Desert National Park
 - ✗ B. Bandhavgarh National Park
 - ✗ C. Kanha National Park
 - ✗ D. Ranthambore National Park

Q.88 Which of the following best characterises the India-Singapore Ministerial Roundtable (ISMR) framework?

- Ans**
- ✗ A. A cultural-exchange mechanism involving arts and heritage institutions only
 - ✓ B. A high-level mechanism to deepen bilateral cooperation across strategic, economic, technological, and people-to-people sectors
 - ✗ C. A forum exclusively for defence procurement negotiations
 - ✗ D. A platform limited to trade dispute settlement between the two countries

Q.89 The Supreme Court declared in October 2025 that the principle of public trust extends to artificial lakes this ruling affirmed the directive of which of the following High Court benches?

- Ans**
- ✗ A. Jaipur Bench of the Rajasthan High Court
 - ✗ B. Madurai Bench of the Madras High Court
 - ✗ C. Lucknow Bench of the Allahabad High Court
 - ✓ D. Nagpur Bench of the Bombay High Court

Q.90 Which of the following was launched by the Ministry of Women and Child Development during the National Consultation on Gender Budgeting in June 2025?

- Ans**
- ✗ A. One-Stop Centre scheme for women affected by violence
 - ✗ B. Beti Bachao Beti Padhao Annual Report 2024
 - ✗ C. National Resource Centre for Women
 - ✓ D. Gender Budgeting Knowledge Hub portal

Q.91 Which organisations jointly launched multi-agency rescue operations after the Uttarkashi floods in August 2025?

- Ans**
- ✓ A. Army, BRO, ITBP, NDRF, SDRF
 - ✗ B. NSG, Coast Guard, NCC
 - ✗ C. Railways, Navy, CBI
 - ✗ D. ISRO, DRDO, BARC

Q.92 By how many basis points did the Reserve Bank of India reduce the repo rate in April 2025?

- Ans**
- ✗ A. 10 basis points
 - ✗ B. 75 basis points
 - ✓ C. 25 basis points
 - ✗ D. 50 basis points

Q.93 Which Ministry is responsible for the grant increase in national championships for high-priority sports?

- Ans**
- ✓ A. Ministry of Youth Affairs and Sports
 - ✗ B. Ministry of Education
 - ✗ C. Ministry of Human Resource Development
 - ✗ D. Ministry of Skill Development and Entrepreneurship

Q.94 In June 2025, which Indian state launched a state-level Clean Air Plan based on airshed scientific analysis?

Ans ✓ A. Uttar Pradesh

✗ B. Bihar

✗ C. Assam

✗ D. Rajasthan

Q.95 What is the name given to the mobile application launched by the Government of India in October 2024 for registration of births and deaths, aimed to streamline and reduce the time required for these registrations?

Ans ✗ A. Civil Registration App

✗ B. Birth and Death Registration System

✗ C. Central Registration System

✓ D. Civil Registration System

Q.96 What key capability of the Vertically-Launched Short-Range Surface-to-Air Missile (VLSRSAM) was established during its March 2025 flight-test?

Ans ✓ A. Near-boundary low-altitude engagement

✗ B. Underwater deployment capability

✗ C. Long-range high-altitude interception

✗ D. Mid-course ballistic target destruction

Q.97 According to Tamil Nadu's transgender policy (2025), what significant right is explicitly assured?

Ans ✗ A. Compulsory housing allotments for transgender households

✓ B. Inheritance rights and access to education and employment

✗ C. Horizontal reservation in government jobs

✗ D. Exclusive pension scheme for all transgender persons

Q.98 Under the proposed Constitution (131st Amendment) Bill 2025, which seeks to include Chandigarh under Article 240, the Union Territory will be aligned with which category of regions?

Ans ✗ A. Union Territories with partial state powers

✗ B. Union Territories with legislatures

✓ C. Union Territories without legislatures

✗ D. Union Territories governed under special provisions

Q.99 What was the approximate monetary loss alleged by the State Bank of India (SBI) in its complaint against Anil Ambani and his company Reliance Communications Ltd, that triggered the Central Bureau of Investigation's (CBI) investigation in August 2025?

Ans ✓ A. ₹3,000 crore

✗ B. ₹10,000 crore

✗ C. ₹1,900 crore

✗ D. ₹1,000 crore

Q.100 Prof. Syed Wajih Ahmad Naqvi, an outstanding Biogeochemical Oceanographer with national and international recognition, received the 2024 Rashtriya Vigyan Puraskar in which of the following categories?

Ans ✗ A. Vigyan Yuva-Shanti Swarup Bhatnagar (VY-SSB) Award

✓ B. Vigyan Shri (VS) Award

✗ C. Vigyan Ratna (VR) Award

✗ D. Vigyan Team (VT) Award

Blackbook



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	09/01/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is a property of liquids?

- Ans
- ☒ A. Fixed shape but no fixed volume
 - ☒ B. Fixed shape and fixed volume
 - ☒ C. No fixed shape but fixed volume
 - ☒ D. No fixed shape and no fixed volume

Q.2 Which of the following statements is correct about Ohm's Law?

- Ans
- ☒ A. It is valid only for metallic conductors at constant temperature.
 - ☒ B. It is valid for all conductors at all temperatures.
 - ☒ C. It is valid for semiconductors and electrolytes.
 - ☒ D. It states that resistance decreases with voltage.

Q.3 Non-metallic oxides are considered acidic in nature. What is the approximate pH nature of the salt formed when a non-metallic oxide reacts with a strong base?

- Ans
- ☒ A. Acidic
 - ☒ B. Amphoteric
 - ☒ C. Neutral
 - ☒ D. Basic

Q.4 How are ionic compounds formed between metals and non-metals?

- Ans
- ☒ A. By the formation of a sea of delocalised electrons.
 - ☒ B. By transfer of electrons from metal atoms to non-metal atoms.
 - ☒ C. By sharing of electrons between atoms.
 - ☒ D. By mutual attraction between positively charged nuclei

Q.5 What is the chemical formula of aluminium oxide?

- Ans
- ☒ A. AlO
 - ☒ B. AlO₃
 - ☒ C. Al₂O
 - ☒ D. Al₂O₃

Q.6 In a compound, the elements are combined:

- Ans**
- ☒ A. chemically
 - ☐ B. by evaporation
 - ☐ C. by filtration
 - ☐ D. physically

Q.7 Refer to the two statements given below and choose the correct option.

Statement A: Sodium hydroxide is used in the manufacture of soaps and paper.

Statement B: It is a weak base and neutral in nature.

- Ans**
- ☐ A. Both statements A and B are incorrect.
 - ☐ B. Both statements A and B are correct.
 - ☒ C. Statement A is correct but B is incorrect.
 - ☐ D. Statement A is incorrect but B is correct.

Q.8 Which of the following statements about neutrons is correct?

- Ans**
- ☐ A. They revolve around the nucleus in fixed orbits.
 - ☒ B. They are found in the nucleus of an atom.
 - ☐ C. They determine the chemical properties of an atom.
 - ☐ D. They have a positive charge.

Q.9 What is the SI unit of universal gravitational constant (G)?

- Ans**
- ☐ A. Nm/kg
 - ☐ B. N/kg²
 - ☐ C. kg/N
 - ☒ D. Nm²/kg²

Q.10 What type of image is formed by a convex mirror when the object is placed at infinity?

- Ans**
- ☐ A. Enlarged, real and inverted
 - ☐ B. Same size, real and inverted
 - ☐ C. Enlarged, virtual and erect
 - ☒ D. Highly diminished, virtual, erect and point-sized

Q.11 Which of the following statements is correct?

- Ans**
- ☐ A. A body with larger mass has less inertia.
 - ☐ B. Mass and inertia are unrelated.
 - ☒ C. Inertia of an object increases with its mass.
 - ☐ D. A lighter body resists change in motion more strongly.

Q.12 Which of the following is the phase during which reproductive tissues in humans start maturing?

- Ans**
- ☐ A. Fertilization
 - ☒ B. Puberty
 - ☐ C. Childhood
 - ☐ D. Menstruation

Q.13 What do we call the low-pressure area created when a vibrating object moves backward?

- Ans**
- ☒ A. Rarefaction
 - ☐ B. Compression
 - ☐ C. Reflection
 - ☐ D. Wavelength

Q.14 If the potential difference between two points is V and charge q moves between them, the work done is _____.

- Ans**
- ☐ A. $W = V/q$
 - ☒ B. $W = V \times q$
 - ☐ C. $W = q/V$
 - ☐ D. $W = V^2/q$

Q.15 Which of the following is NOT true about kinetic energy?

- Ans**
- ☐ A. It depends on motion.
 - ☐ B. It is a scalar quantity.
 - ☐ C. It can never be negative.
 - ☒ D. It depends on direction of motion.

Q.16 Which of the following modifications of seeds help in wind dispersal?

- Ans**
- ☒ A. Wing-like or hairy outgrowths
 - ☐ B. Large size
 - ☐ C. Thick and fibrous coat
 - ☐ D. Spiny or hook-like outgrowths

Q.17 When an acid reacts with a non-carbonated base, what are the typical products formed in a neutralisation reaction?

- Ans**
- ☒ A. Salt and water
 - ☐ B. Only water
 - ☐ C. Only a salt
 - ☐ D. Carbon dioxide and water

Q.18 What is the primary objective of implementing nutrient management practices in agriculture?

- Ans**
- ☐ A. Mixing plastic residues into the field
 - ☐ B. Pouring polluted water on crops
 - ☐ C. Enhancing soil erosion
 - ☒ D. Improving crop productivity and quality

Q.19 In a lab, a student sees a large transparent sac filling most of a plant cell. What percentage of the cell's volume does the vacuole occupy?

- Ans**
- ☐ A. 100%
 - ☐ B. 5–15%
 - ☐ C. 20–30%
 - ☒ D. 50–90%

Q.20 Which flower parts usually shrivel and fall off after fertilisation?

- Ans**
- ☐ A. Ovule and ovary
 - ☐ B. Roots and leaves
 - ☒ C. Petals, sepals, stamens, style and stigma
 - ☐ D. Embryo and cotyledon

Q.21 In multicellular organisms, a lot of variation in the shape and size of cells makes an organism _____.

- Ans**
- ☐ A. perform poorly in adverse conditions
 - ☐ B. prone to infection and death
 - ☐ C. less efficient with no division of labour among the cells
 - ☒ D. more efficient with different cells performing different functions

Q.22 An object is moving along a straight line with a velocity that is initially positive (+u) and non-zero, but the acceleration is non-uniform and negative, such that the velocity eventually becomes negative (-v). What does the negative final velocity signify?

- Ans**
- ☐ A. The object has constant but negative acceleration.
 - ☐ B. The object is at rest.
 - ☒ C. The object is moving backward relative to its initial direction.
 - ☐ D. The acceleration became positive at some point.

Q.23 When onion bulbs of different sizes are viewed under a microscope, all show similar rectangular structures. This proves that _____.

- Ans**
- ☐ A. cork cells are living
 - ☒ B. all living things are made of cells
 - ☐ C. only big onions have cells
 - ☐ D. cells differ in a onion

Q.24 Which of the following is a non-biodegradable material?

- Ans**
- ☒ A. Plastic bag
 - ☐ B. Paper
 - ☐ C. Cotton cloth
 - ☐ D. Vegetable peel

Q.25 Which part of the eye is responsible for converting light into electrical signals?

- Ans**
- ☐ A. Iris
 - ☐ B. Lens
 - ☐ C. Cornea
 - ☒ D. Retina

Section : Mathematics

Q.26 If 20% of a number is added to 66, then the result is the same number. 80% of the same number is:

- Ans**
- ☐ A. 86
 - ☒ B. 66
 - ☐ C. 76
 - ☐ D. 96

Q.27 The fourth proportional to 12, a, and 2a is 54. What is the positive value of a?

- Ans**
- ☒ A. 18
 - ☐ B. 17
 - ☐ C. 19
 - ☐ D. 20

Q.28 The age of Ajay is 16 years more than that of Vijay. The sum of their ages 6 years ago was 56 years. Find Vijay's present age.

- Ans**
- ☐ A. 56 years
 - ☒ B. 26 years
 - ☐ C. 18 years
 - ☐ D. 42 years

Q.29 There are some rabbits and parrots in a farmhouse. The total number of animal heads is 180 and the total number of legs is 520. Find the number of rabbits in the farmhouse.

- Ans**
- ☒ A. 80
 - ☐ B. 60
 - ☐ C. 100
 - ☐ D. 120

Q.30 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Gopal borrowed an amount of ₹5,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Gopal after 3 years.

- Ans**
- ☐ A. 54,000
 - ☒ B. 52,500
 - ☐ C. 52,000
 - ☐ D. 53,500

Q.31 What is the fractional value of 3. 627272727....?

- Ans**
- ☐ A. $\frac{351}{99}$
 - ☐ B. $\frac{399}{111}$
 - ☐ C. $\frac{359}{11}$
 - ☒ D. $\frac{399}{110}$

Q.32 Rohit goes to a shop to purchase a truck priced at ₹6,900. He is offered 4 discount options by the shopkeeper. Which of these options should he opt for to gain maximum advantage of the discount offered?

- Ans**
- ☒ A. Two successive discounts of 38% and 46%
 - ☐ B. Single discount of 14%
 - ☐ C. Two successive discounts of 14% each
 - ☐ D. Two successive discounts of 14% and 8%

Q.33 A car covers 100 km in the first hour, 150 km in the second hour, and 50 km in the third hour. If it continues at a speed of 60 km/hr for the next 2 hours, what is the average speed for the entire journey?

- Ans**
- ☒ A. 84 km/hr
 - ☐ B. 82 km/hr
 - ☐ C. 80 km/hr
 - ☐ D. 86 km/hr

Q.34 If $x = \sqrt{30 + \sqrt{30 + \sqrt{30 + \sqrt{30 + \dots \infty}}}}$ and $y = \sqrt{30 - \sqrt{30 - \dots}}$ when the product of x and y is divided by 7?

- Ans ☒ A. 4
☒ B. 1
☒ C. 2
☒ D. 3

Q.35 The arithmetic mean of the observations 85, 73, 89, 29, 20, 52, 22, 25 and 55 is:

- Ans ☒ A. 54
☒ B. 50
☒ C. 56
☒ D. 57

Q.36 The price of fuel decreases by 55%, 40% and 15% in three successive months, but increases by 60% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans ☒ A. Increases by 67.93%
☒ B. Increases by 60.37%
☒ C. Decreases by 63.28%
☒ D. Decreases by 68.69%

Q.37 Simplify $\left(\frac{1}{1 - \sin A} + \frac{1}{1 + \sin A} \right) \times \cos^2 A$.

- Ans ☒ A. $2 \sec^2 A$
☒ B. 2
☒ C. $\sec^2 A$
☒ D. $2 \cos^2 A$

Q.38 The mode and median of a data are 27.5 and 23, respectively. What is the mean of the data? (Use empirical formula.)

- Ans ☒ A. 20.75
☒ B. 26.8
☒ C. 30.7
☒ D. 11.95

Q.39 Simplify the expression: $(7a + 4b)(7a - 4b)$

- Ans ☒ A. $49a^2 - 16b^2$
☒ B. $49a^2 + 16b^2$
☒ C. $21a^2 - 16b^2$
☒ D. $49a^2 - 8b^2$

Q.40 A room is one and a half times as long as it is wide. The cost of carpeting the floor at ₹18 per square metre is ₹3,888, and the cost of whitewashing the four walls at ₹9 per square metre is ₹4,320. Find the volume of the room in cubic metres.

- Ans ☒ A. 1696
☒ B. 1654
☒ C. 1782
☒ D. 1728

Q.41 The marked price of a painting was ₹6,400, but the shopkeeper offered a double discount in a successive manner of 25% and 12%. Ultimately for how much did he sell the item?

- Ans**
- ☐ A. ₹4,291
 - ☐ B. ₹4,320
 - ☒ C. ₹4,224
 - ☐ D. ₹4,161

Q.42 Pipes A and B can fill an empty cistern in 46 minutes and 32 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe B be turned off so that the empty cistern is completely filled in a total of 23 minutes?

- Ans**
- ☒ A. 16 minutes
 - ☐ B. 10 minutes
 - ☐ C. 12 minutes
 - ☐ D. 20 minutes

Q.43 A person who spends 60% of his monthly income is able to save ₹8,242 per month. His monthly expenses (in ₹) are:

- Ans**
- ☐ A. 12,268
 - ☐ B. 12,379
 - ☐ C. 12,285
 - ☒ D. 12,363

Q.44 Two trains, A and B, of lengths 402 m and 286 m are running at speeds of 6 m/s and 37 m/s, respectively, towards each other on parallel tracks. In how much time will they cross each other?

- Ans**
- ☐ A. 21 seconds
 - ☐ B. 8 seconds
 - ☒ C. 16 seconds
 - ☐ D. 14 seconds

Q.45 By selling a bicycle for ₹1,425, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

- Ans**
- ☐ A. ₹1,410
 - ☒ B. ₹1,350
 - ☐ C. ₹1,360
 - ☐ D. ₹1,390

Q.46 A, B and C can do a piece of work in 3, 4 and 12 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☐ A. 4
 - ☐ B. 6
 - ☐ C. 9
 - ☒ D. 3

Q.47 Each exterior angle of a regular polygon is 24° . Find the number of diagonals in this polygon.

- Ans**
- ☐ A. 70
 - ☐ B. 60
 - ☒ C. 90
 - ☐ D. 80

Q.48 The salaries of P, Q and R are in the ratio 10:8:2. If the increments of 11%, 20% and 35% are allowed, respectively, in their salaries, then what will be the new ratio of their salaries?

- Ans
- ☐ A. 34:34:15
 - ☐ B. 40:39:14
 - ☐ C. 37:23:19
 - ☒ D. 37:32:9

Q.49 A circle of radius 3 cm is drawn with its centre at one of the vertices of a regular hexagon of side 6 cm. What is the area (in cm^2) of the hexagon which is NOT overlapping with the circle?

- Ans
- ☐ A. $54\sqrt{2} - 2\pi$
 - ☐ B. $54\sqrt{2} + 2\pi$
 - ☒ C. $54\sqrt{3} - 3\pi$
 - ☐ D. $54\sqrt{3} + 3\pi$

Q.50 If a four – digit number 34X1 is divisible by 7, then X^2 is:

- Ans
- ☒ A. 25
 - ☐ B. 16
 - ☐ C. 36
 - ☐ D. 49

Section : General Intelligence and Reasoning

Q.51 Seven boxes, A, B, C, D, E, F and G, 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 B and G. Only three boxes are kept between B and C. C is kept at some place above G. F is kept immediately below C. E is kept at one of the places above D. A is not kept immediately above or below B.
How many boxes are kept below E?

- Ans
- ☒ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1

Q.52 Rohit starts from Point A and drives 15 km towards west. He then takes a left turn, drives 11 km, turns left and drives 18 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans
- ☐ A. 4 km to the south
 - ☐ B. 4 km to the north
 - ☐ C. 3 km to the north
 - ☒ D. 3 km to the south

Q.53 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 9 3 9 2 4 4 1 9 1 6 9 4 9 9 6 3 2 6 1 7 9 8 3 9 8 7 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- ☐ A. 3
 - ☐ B. 5
 - ☒ C. 4
 - ☐ D. 6

Q.54 Six people, A, B, C, D, E and F, are sitting in a row, facing north. D sits to the immediate left of F. C sits third to the left of B. F is an immediate neighbour of C. E sits second to the right of C. A sits to the immediate left of E. Who sits at the extreme right end of the row?

- Ans
- ☐ A. E
 - ☐ B. A
 - ☐ C. F
 - ☒ D. B

Q.55 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 542816379, how many digits will appear more than once in the new number thus formed?

- Ans
- ☐ A. Three
 - ☐ B. One
 - ☒ C. None
 - ☐ D. Two

Q.56 If 1 is added to each even digit and 1 is added to each odd digit in the number 321854, what will be the sum of the first and last digits in the new number thus formed?

- Ans
- ☐ A. 8
 - ☐ B. 10
 - ☐ C. 12
 - ☒ D. 9

Q.57 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DHL : FKN
QJM : SMO

- Ans
- ☐ A. SDK:LGI
 - ☐ B. VTS:SDR
 - ☒ C. AWN:CZP
 - ☐ D. MPS:ASY

Q.58 In a certain code language, 'SKATE' is coded as '51324' and 'ASKEW' is coded as '47315'. How is 'W' coded in that language?

- Ans
- ☐ A. 4
 - ☐ B. 3
 - ☒ C. 7
 - ☐ D. 5

Q.59 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 1 8 9 1 3 8 3 8 9 9 5 9 6 5 5 1 7 7 4 2 3 1 6 (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. None
☐ B. Three
☐ C. Two
☐ D. One

Q.60 Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 2 4 8 4 7 1 5 7 4 3 4 2 8 7 4 3 6 8 5 4 9 1 6 9 3 5 2 4 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☐ A. One
☒ B. Three
☐ C. Two
☐ D. More than three

Q.61 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 18, 11)
(9, 26, 19)

- Ans** ☒ A. (7, 22, 15)
☐ B. (8, 24, 31)
☐ C. (25, 58, 50)
☐ D. (10, 12, 5)

Q.62 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K-T+R&ZxV'?

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

Q.63 Seven boxes, D, E, F, U, V, W and X, are kept one over the other, but not necessarily in the same order. D is kept immediately above V. W is kept immediately above F. Only U is kept above E. Only one box is kept between U and D. W is not kept at the third position from the bottom. How many boxes are kept between X and U?

- Ans ☐ A. Four
☐ B. Two
☒ C. Three
☐ D. One

Q.64 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 letter-cluster pair 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. BA-ZY
☒ B. UT-RT
☐ C. YX-WW
☐ D. FE-DC

Q.65 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:

All soaps are oils.

All oils are dispensers.

Some dispensers are towels.

Conclusions:

(I) Some soaps are towels.

(II) Some oils are towels.

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

Q.66 MKBZ is related to SQHF in a certain way based on the English alphabetical order. In the same way, PDRW is related to VJXC. To which of the given options is UFLQ related, following the same logic?

- Ans ☒ A. ALRW
☐ B. WHNS
☐ C. YZPU
☐ D. XIOT

Q.67 What should come in place of the question mark (?) in the given series?

3 6 ? 144 1152 11520

- Ans ☐ A. 22
☒ B. 24
☐ C. 28
☐ D. 20

Q.68 Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing the north. A sits third from the left end of the line. Only one person sits between A and B. Only three people sit between C and B. E sits to the immediate right of C. D sits to the immediate right of G.
How many people sit to the right of F?

- Ans**
- ☒ A. None
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. One

Q.69 Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits to the immediate right of E. B sits fourth to the left of E. Only one person sits between B and F. C sits to the immediate left of F. D sits second to the left of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

- Ans**
- ☒ A. FD
 - ☒ B. CF
 - ☒ C. DE
 - ☒ D. BA

Q.70 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ARJ KBT ULD EVN ?

- Ans**
- ☒ A. OFX
 - ☒ B. OOX
 - ☒ C. OXS
 - ☒ D. OXD

Q.71 Nayan starts from Point A and drives 45 km towards the north. He then takes a right turn, drives 37 km, turns right and drives 60 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 15 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. 22 km to the west
 - ☒ B. 21 km to the west
 - ☒ C. 20 km to the east
 - ☒ D. 19 km to the east

Q.72 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. QUWA
 - ☒ B. PTWZ
 - ☒ C. NRTX
 - ☒ D. HLNK

Q.73 GWCL is related to PFLU in a certain way based on the English alphabetical order. In the same way, QGMV is related to ZPVE. To which of the given options is RHNW related, following the same logic?

- Ans**
- ☒ A. QAWF
 - ☒ B. AQWF
 - ☒ C. AQDF
 - ☒ D. AQWE

Q.74 In a certain code language, 'LEMA' is coded as '4753' and 'MALT' is coded as '3479'. What is the code for 'T' in the given code language?

- Ans** ☒ A. 7
☒ B. 9
☒ C. 4
☒ D. 3

Q.75 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 5 5 7 8 2 3 3 2 3 3 9 5 5 7 9 8 5 6 3 5 3 8 3 5 5 8 9 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☒ A. 6
☒ B. 5
☒ C. 7
☒ D. 4

Q.76 What should come in place of the question mark (?) in the given series?

48 66 83 99 114 ?

- Ans** ☒ A. 123
☒ B. 127
☒ C. 128
☒ D. 126

Q.77 What should come in place of the question mark (?) in the given series?

210 212 209 213 208 ?

- Ans** ☒ A. 209
☒ B. 213
☒ C. 214
☒ D. 210

Q.78 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:

All tables are golds.

No table is a helmet.

Conclusions:

(I): Some helmets are golds.

(II): All golds are helmets.

- 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.79 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

EQL 2 GMN 6 IIP 18 KER 54 ?

- Ans**
- ☒ A. MBS 158
 - ☒ B. MAT 162
 - ☒ C. MAS 168
 - ☒ D. MBT 158

Q.80 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$89 \div 8 + 684 \times 6 - 87 = ?$

- Ans**
- ☒ A. 685
 - ☒ B. 692
 - ☒ C. 615
 - ☒ D. 634

Section : General Awareness and Current Affairs

Q.81 In June 2025, which of the following organisations launched NACH 3.0 to enable faster salary and EMI processing?

- Ans**
- ☒ A. Reserve Bank of India (RBI)
 - ☒ B. State Bank of India (SBI)
 - ☒ C. Securities and Exchange Board of India (SEBI)
 - ☒ D. National Payments Corporation of India (NPCI)

Q.82 Who won the 'Best FIFA Men's Player' award for the 2024 season at the Best FIFA Football Awards in December 2024?

- Ans**
- ☒ A. Jude Bellingham
 - ☒ B. Erling Haaland
 - ☒ C. Vinícius Jr.
 - ☒ D. Rodri

Q.83 Where was the 71st Senior National Men's Kabaddi Championship 2025 held?

- Ans**
- ☒ A. Indira Gandhi Indoor Stadium, Delhi
 - ☒ B. Kalinga Stadium, Bhubaneswar
 - ☒ C. Gachibowli Indoor Stadium, Hyderabad
 - ☒ D. Jawaharlal Nehru Indoor Stadium, Cuttack

Q.84 In May 2025, Union Sports Minister Mansukh Mandaviya opened a new multi-purpose Khelo India Hall in Kamle district. In which state is Kamle district located?

- Ans**
- ☒ A. Manipur
 - ☒ B. Arunachal Pradesh
 - ☒ C. Assam
 - ☒ D. Nagaland

Q.85 Where was India's first-ever Astro Tourism Festival successfully held in 2025?

- Ans**
- ☒ A. Kargil
 - ☒ B. Gulmarg
 - ☒ C. Leh, Ladakh
 - ☒ D. Spiti Valley

Q.86 In January 2025, which of the following Indian institutes/universities was selected as SDG Hub 6 (Clean Water & Sanitation) Co-Chair for the 2025–2027 term?

- Ans**
- ☐ A. Jawaharlal Nehru University, New Delhi
 - ☐ B. Indian Institute of Science, Bangalore
 - ☒ C. Shiv Nadar University, Delhi NCR
 - ☐ D. Indian Institute of Technology, Madras

Q.87 The Wisden Cricketers' Almanack 2025 named Jasprit Bumrah as the Leading Cricketer of the Year along with:

- Ans**
- ☒ A. Smriti Mandhana
 - ☐ B. Virat Kohli
 - ☐ C. Harmanpreet Kaur
 - ☐ D. Rohit Sharma

Q.88 Which retired Chief Justice of India was awarded the Padma Vibhushan in 2025 for Public Affairs?

- Ans**
- ☐ A. Dipak Misra
 - ☐ B. Ranjan Gogoi
 - ☒ C. Jagdish Singh Khehar
 - ☐ D. HL Dattu

Q.89 Which of the following agencies operates the Satish Dhawan Space Centre (SDSC), from where the NASA-ISRO Synthetic Aperture Radar (NISAR) mission was launched in July 2025?

- Ans**
- ☐ A. Defence Research and Development Organisation (DRDO)
 - ☐ B. National Remote Sensing Centre (NRSC)
 - ☐ C. North-Eastern Space Applications Centre (NESAC)
 - ☒ D. Indian Space Research Organisation (ISRO)

Q.90 According to the UNDP Human Development Report 2025 (based on 2023 data), what is India's rank in the Human Development Index (HDI)?

- Ans**
- ☐ A. 141
 - ☐ B. 125
 - ☐ C. 138
 - ☒ D. 130

Q.91 The Sachet App, promoted in April 2025, was launched by _____.

- Ans**
- ☐ A. Ministry of Electronics and Information Technology
 - ☒ B. National Disaster Management Authority
 - ☐ C. National Institution for Transforming India (NITI) Aayog
 - ☐ D. Indian Meteorological Department

Q.92 Which agency is investigating the Mithi River Desilting Scam?

- Ans**
- ☐ A. Mumbai Police
 - ☐ B. Delhi Police
 - ☐ C. Central Bureau of Investigation
 - ☒ D. Enforcement Directorate

Q.93 What did the Supreme Court say about Group A CAPF (Central Armed Police Forces) officers in May 2025?

- Ans**
- ☐ A. They are not important.
 - ☒ B. They are part of "Organised Services".
 - ☐ C. They are part of "Unorganised Services".
 - ☐ D. They cannot get promotions.

Q.94 What was India's unemployment rate in May 2025, according to the Periodic Labour Force Survey (PLFS)?

- Ans**
- ☐ A. 6.0%
 - ☐ B. 5.1%
 - ☒ C. 5.6%
 - ☐ D. 7.0%

Q.95 Who received the P C Chandra Puraskar 2025 in Kolkata?

- Ans**
- ☐ A. Kapil Dev
 - ☐ B. Amjad Ali Khan
 - ☒ C. Leander Paes
 - ☐ D. Mary Kom

Q.96 According to the second edition of the North Eastern Region District SDG Index (2023-24) released in July 2025, which district recorded the highest SDG score in North East India, with a score of 81.43?

- Ans**
- ☐ A. Gomati
 - ☐ B. Aizawl
 - ☒ C. Hnahthial
 - ☐ D. Kohima

Q.97 In August 2025, who among the following was appointed as the Executive Director at the International Monetary Fund (IMF) for a period of three years?

- Ans**
- ☐ A. Shaktikanta Das
 - ☒ B. Urjit Patel
 - ☐ C. Raghuram Rajan
 - ☐ D. Krishnamurthy Subramanian

Q.98 Which of the following cities served as the venue for the two-day FIBAC banking conference on 'Charting New Frontiers', co-hosted by FICCI and the Indian Banks' Association (IBA) on 25 and 26 August 2025?

- Ans**
- ☐ A. New Delhi
 - ☐ B. Kolkata
 - ☐ C. Chennai
 - ☒ D. Mumbai

Q.99 Which of the following agreements did India sign in March 2024 with the European Free Trade Association (EFTA) countries (Iceland, Liechtenstein, Norway, Switzerland) that includes a commitment of US \$100 billion investment over 15 years?

- Ans**
- ☐ A. India-EFTA Defence Cooperation Treaty
 - ☐ B. India-EFTA Financial Services Pact
 - ☐ C. India-EFTA Trade Exchange Agreement
 - ☒ D. India-EFTA Trade and Economic Partnership Agreement

Q.100 Where was the 2025 NATO Summit held on 24-25 June?

- Ans**
- ☐ A. Brussels, Belgium
 - ☐ B. Paris, France
 - ☒ C. The Hague, Netherlands
 - ☐ D. Berlin, Germany



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Kovilambakkam
Test Date	02/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Select the correct function of the smooth endoplasmic reticulum.

- Ans
- ☒ A. Nucleic acid synthesis
 - ☒ B. Protein synthesis
 - ☒ C. Lipid synthesis
 - ☒ D. Carbohydrate synthesis

Q.2 Which of the following is a compound that forms a solution when dissolved in water?

- Ans
- ☒ A. Sodium Chloride
 - ☒ B. Iron filings
 - ☒ C. Sand
 - ☒ D. Oil

Q.3 Which of the following statements is/are correct regarding the female reproductive system?

Statement A: The egg is carried from the ovary to the womb through a thin oviduct or fallopian tube.

Statement B: The uterus opens into the vagina through the cervix.

- Ans
- ☒ A. Only statement A
 - ☒ B. Only statement B
 - ☒ C. Neither statement A nor B
 - ☒ D. Both statement A and B

Q.4 Which of the following correctly describes the direction of the magnetic field outside a solenoid?

- Ans
- ☒ A. South pole to North pole
 - ☒ B. From the ends to the centre
 - ☒ C. North pole to South pole
 - ☒ D. From the centre to the ends

Q.5 Which organism is a key indicator of a healthy aquatic ecosystem?

- Ans
- ☐ A. Cockroach
 - ☐ B. Lichen
 - ☐ C. Earthworm
 - ☒ D. Fish

Q.6 What advantage does asexual reproduction provide in a stable environment?

- Ans
- ☐ A. Sexual diversity
 - ☒ B. Rapid and identical reproduction
 - ☐ C. Adaptation to new environment
 - ☐ D. Genetic variation

Q.7 From the given alternatives, select the correct statement related to garbage from a general household.

- Ans
- ☐ A. Safe disposal of garbage is not mandatory.
 - ☐ B. Entire garbage is biodegradable.
 - ☐ C. Entire garbage is non-biodegradable.
 - ☒ D. Garbage contains both biodegradable and non-biodegradable components.

Q.8 The SI unit of Power is watt (W). As per the relation of work-power, one watt is equivalent to _____.

- Ans
- ☒ A. 1 Joule per second (1 J/s)
 - ☐ B. A kilowatt-hour (1 kWh)
 - ☐ C. 1 Newton per meter (1 N/m)
 - ☐ D. 1 Joule-second (1 J.s)

Q.9 Sodium hydroxide is prepared by passing electricity through an aqueous solution of sodium chloride. The process is called:

- Ans
- ☐ A. Born Haber
 - ☒ B. Chlor-alkali
 - ☐ C. Hall-Hérault
 - ☐ D. Dow's

Q.10 Which of the following best illustrates Newton's Third Law of Motion?

- Ans
- ☐ A. A pendulum oscillating back and forth.
 - ☐ B. A ball falling under gravity.
 - ☐ C. A car accelerating on a road due to engine power.
 - ☒ D. A rocket propelling upward by expelling gases downward.

Q.11 Can the displacement of an object be greater than the distance travelled?

- Ans
- ☐ A. Yes, sometimes
 - ☐ B. Only when the object moves in a straight line
 - ☐ C. Yes, always
 - ☒ D. No, displacement can never be greater than distance

Q.12 Which of the following hydrocarbons are organic compounds with elements _____?

- Ans
- ☒ A. both hydrogen and carbon
 - ☐ B. Carbon
 - ☐ C. Oxygen
 - ☐ D. Hydrogen

Q.13 Which of the following statements is/are NOT true according to the sign convention for spherical lenses?

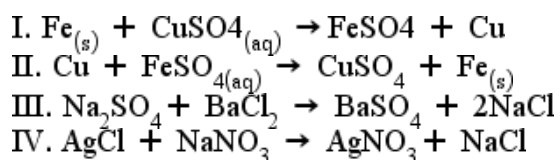
- (i) All distances parallel to the principal axis are measured from the focus of the lens.
- (ii) All the distances measured to the right of the origin are taken as positive.
- (iii) Distances measured perpendicular to and above the principal axis are taken as negative.
- (iv) The object is always placed to the left of the lens.

Ans ☒ A. Both (ii) and (iii)
☒ B. Both (ii) and (iv)
☒ C. Both (i) and (iii)
☒ D. Both (i) and (iv)

Q.14 Which process is used for the extraction of aluminium from bauxite?

Ans ☒ A. Roasting followed by reduction
☒ B. Displacement by zinc
☒ C. Calcination followed by carbon reduction
☒ D. Electrolysis of molten aluminium oxide

Q.15 Which of the following displacement reactions are possible?



Ans ☒ A. I and III only
☒ B. I, III and IV only
☒ C. I, II, and III only
☒ D. II and IV only

Q.16 Estimate the concentration of the solution in terms of mass by mass percentage if 50 g of common salt is dissolved in 300 g of water.

Ans ☒ A. 12.22%
☒ B. 14%
☒ C. 14.28%
☒ D. 12%

Q.17 If voltage (V) is constant, the power is directly proportional to which of the following?

Ans ☒ A. Square of Resistance
☒ B. Energy
☒ C. Current
☒ D. Resistance

Q.18 Truck and motorbus tyres are designed to be much wider than car tyres, while cutting tools and nails are designed with sharp, small tips. This contrast in design illustrates the principle that _____.

Ans ☒ A. the same thrust acting on a smaller area exerts a larger pressure
☒ B. pressure is inversely proportional to the mass of the object
☒ C. larger thrust always results in lower pressure
☒ D. thrust is directly proportional to the area of contact

Q.19 The distance between the optical centre of a lens and its principal focus is called _____.

- Ans**
- ☒ A. focal length
 - ☐ B. radius of curvature
 - ☐ C. magnification
 - ☐ D. aperture

Q.20 Meristematic tissues are found only in a specific region. On the basis of position, which is NOT a meristematic tissue type?

- Ans**
- ☐ A. Lateral
 - ☐ B. Apical
 - ☒ C. Basal
 - ☐ D. Intercalary

Q.21 Which of the following processes results in the formation of two identical daughter cells?

- Ans**
- ☐ A. Fertilisation
 - ☒ B. Mitosis
 - ☐ C. Cytokinesis without karyokinesis
 - ☐ D. Meiosis

Q.22 What is the transfer of pollen grain from one flower to another flower called?

- Ans**
- ☒ A. Cross pollination
 - ☐ B. Auto pollination
 - ☐ C. Self pollination
 - ☐ D. Autogamy

Q.23 Which of the following chemical equations is correctly balanced?

- Ans**
- ☐ A. $2\text{Fe} + 3\text{H}_2\text{O} \rightarrow 2\text{Fe}_3\text{O}_4 + 3\text{H}_2$
 - ☒ B. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
 - ☐ C. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 2\text{H}_2$
 - ☐ D. $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$

Q.24 Which of the following statements best explains why all atoms of an element are represented by the same symbol?

- Ans**
- ☐ A. Because they have the same number of neutrons in the nucleus
 - ☒ B. Because they have the same number of protons in their nucleus
 - ☐ C. Because their mass numbers are always the same
 - ☐ D. Because they have identical physical properties

Q.25 Which of the following devices work on the principle of multiple reflections of sound waves?

- Ans**
- ☐ A. Microscope
 - ☐ B. Megaphone
 - ☐ C. Thermometer
 - ☒ D. Stethoscope

Q.26 What is the simple interest on a sum of ₹5,500, if the rate of interest for the first 4 years is 6% per annum and for the last 2 years is 5% per annum?

- Ans**
- ☒ A. ₹1,920
 - ☒ B. ₹1,870
 - ☒ C. ₹1,750
 - ☒ D. ₹1,660

Q.27 For 7 innings, a cricketer has an average of 90 runs. In the 8th inning, he scores 176 runs. His average score increased by _____. (Round off your answer to the nearest whole number.)

- Ans**
- ☒ A. 11
 - ☒ B. 14
 - ☒ C. 7
 - ☒ D. 20

Q.28 If 20% of a number is added to 66, then the result is the same number. 60% of the same number is:

- Ans**
- ☒ A. 69.5
 - ☒ B. 49.5
 - ☒ C. 79.5
 - ☒ D. 59.5

Q.29 Two lines are planned such that the equations representing their paths are: $(k-4)x + 2y = 6$ and $2x + y = 4$. If the lines are to be constructed parallel to each other, what value of k will ensure that?

- Ans**
- ☒ A. 8
 - ☒ B. 10
 - ☒ C. 6
 - ☒ D. 7

Q.30 A leaves point X at 9:00 AM and reaches point Y at 1:00 PM. B leaves point Y at 9:00 AM and reaches point X at 3:00 PM. At what time will they meet?

- Ans**
- ☒ A. 12:36 PM
 - ☒ B. 10:24 AM
 - ☒ C. 11:24 AM
 - ☒ D. 1:24 PM

Q.31 The price of fuel decreases by 10%, 50% and 10% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places.)

- Ans**
- ☒ A. Decreases by 41.28%
 - ☒ B. Increases by 42.91%
 - ☒ C. Decreases by 44.56%
 - ☒ D. Increases by 46.86%

Q.32 A vendor buys a washing machine for ₹12,000. He sells it to a retailer at 10% profit, and the retailer sells it to a customer at 15% loss. What is the final selling price?

- Ans**
- ☒ A. ₹11,000
 - ☒ B. ₹11,220
 - ☒ C. ₹11,620
 - ☒ D. ₹11,420

Q.33 Walking at $\frac{3}{4}$ th of his normal speed from his home, Abhishek is 11 m

The usual time taken by him to cover the distance between his home :



Ans ☒ A. 33 minutes

☐ B. 29 minutes

☐ C. 26 minutes

☐ D. 32 minutes

Q.34 The average age of 24 students of a class is 17 years. If the age of the teacher is also included, the average age of the whole group becomes 18 years. The age (in years) of the teacher is:

Ans ☐ A. 43

☒ B. 42

☐ C. 44

☐ D. 45

Q.35 ₹13,403 is divided among S, B and C in such a way that if ₹40, ₹83 and ₹68 be deducted from their respective shares, they have money in the ratio 21:11:4. Find the difference between the original shares of B and C.

Ans ☒ A. ₹2,584

☐ B. ₹2,519

☐ C. ₹2,719

☐ D. ₹2,669

Q.36 The ages of Renu and Kashish are in the ratio 9 : 8. After 5 years, the ratio of their ages will be 10 : 9. Find the difference between their present ages.

Ans ☐ A. 6 years

☐ B. 4 years

☐ C. 7 years

☒ D. 5 years

Q.37 The number 8,33,525 is NOT divisible by:

Ans ☐ A. 25

☒ B. 15

☐ C. 55

☐ D. 35

Q.38 The perimeter of a square is equal to the one-half of radius of a circle whose area is 39424 cm^2 . What is the area of the square?

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

Ans ☒ A. 196 cm^2

☐ B. 135 cm^2

☐ C. 169 cm^2

☐ D. 204 cm^2

Q.39 Find the value of x in the following expression.

$$(0.49)^4 \times (0.343)^4 \div (0.2401)^4 = (7 \div 10)^{x+2}$$

- Ans ☒ A. 1
☒ B. 2
☒ C. 3
☒ D. 4

Q.40 In a test, B got 50 marks while A got 75 marks, out of 80 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

- Ans ☒ A. 80.33%
☒ B. 66.67%
☒ C. 150.46%
☒ D. 93.75%

Q.41 A dealer allowed a 77% discount on an article and was still able to manage a 49% profit. Find the ratio of the cost price to the listed price.

- Ans ☒ A. 25 : 154
☒ B. 23 : 149
☒ C. 20 : 150
☒ D. 26 : 152

Q.42 Two pipes, P and Q, can fill a cistern in 30 hours and 40 hours, respectively. If pipe P is opened alone for 15 hours and then closed, after which pipe Q fills the cistern until it is full, then what percentage of the cistern is filled by pipe P relative to the portion filled by pipe Q?

- Ans ☒ A. 100%
☒ B. 120%
☒ C. 50%
☒ D. 150%

Q.43 The measure of each interior angle of a regular pentagon is:

- Ans ☒ A. 108°
☒ B. 128°
☒ C. 78°
☒ D. 118°

Q.44 A grocer marked his goods at 50% above their cost price and sold them at a discount of $X\%$. If he gained 35% profit, then find the value of X .

- Ans ☒ A. 11
☒ B. 10
☒ C. 9
☒ D. 12

Q.45 If $2x + \frac{2}{x} = 3$, what is $x^2 + \frac{1}{x^2}$?

- Ans ☒ A. $\frac{1}{2}$
☒ B. 1
☒ C. $\frac{1}{4}$
☒ D. $\frac{1}{3}$

Q.46 What is the volume (in cm^3 , rounded off to 1 decimal place) of a spherical shell whose internal and external diameters are 10 cm and 12 cm, respectively?

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

Ans ☒ A. 381.3

☐ B. 401.5

☐ C. 345.7

☐ D. 323.9

Q.47 Which of the following is equal to K if $\sin^2 x + K = 1$?

Ans ☒ A. $\cos^2 x$

☐ B. $\sec^2 x$

☐ C. $\cot^2 x$

☐ D. $\tan^2 x$

Q.48 One pipe can fill a tank in 7 minutes while another pipe can empty the completely filled tank in 56 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

Ans ☐ A. 8

☐ B. 9

☒ C. 4

☐ D. 5

Q.49 Which of the following is the correct model for finding the Highest Common Factor (HCF) of two numbers?

Ans ☐ A. Division Model: Divide both numbers by a common number to find the highest factor.

☒ B. Prime Factorization Model: Find the prime factorization of both numbers, then multiply the common prime factors with the lowest powers.

☐ C. Subtraction Model: Subtract both the numbers and check the common factor.

☐ D. Addition Model: Add the two numbers and check the common factors of the sum.

Q.50 If third proportional of 75 and Z be 12, then what is the value of Z?

Ans ☐ A. 32

☐ B. 27

☐ C. 28

☒ D. 30

Section : General Intelligence and Reasoning

Q.51 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JOIN - OJIN - NOJI

MALE - AMLE - EAML

Ans ☒ A. LION - ILON - NILO

☐ B. USER - SUER - SERU

☐ C. PAGE - APGE - EAGP

☐ D. NEAR - NAER - RAEN

Q.52 DRBH is related to SGQW in a certain way based on the English alphabetical order. In the same way, LZJP is related to AOYE. To which of the given options is ESCI related, following the same logic?

- Ans**
- ☐ A. THRE
 - ☐ B. THYU
 - ☒ C. THRX
 - ☐ D. THDR

Q.53 Six friends, G, H, I, Q, R and S, are sitting around a circular table facing the centre of the table. Q sits third to the left of G. G sits second to the left of R. Only S sits between G and H. I is not an immediate neighbour of Q. How many people sit between H and I when counted from the right of H?

- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☐ C. Three
 - ☒ D. Two

Q.54 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K-TxR+Z&V'?

- Ans**
- ☐ A. Brother's wife's father
 - ☒ B. Brother's wife's brother
 - ☐ C. Husband
 - ☐ D. Son

Q.55 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 9 6 7 2 3 7 3 8 1 7 2 8 6 3 6 8 9 9 3 9 5 6 1 5 1 7 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 5
 - ☐ B. 7
 - ☒ C. 6
 - ☐ D. 8

Q.56 What should come in place of the question mark (?) in the given series?

94 130 179 243 324 ?

- Ans**
- ☐ A. 425
 - ☐ B. 423
 - ☒ C. 424
 - ☐ D. 426

Q.57 Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. Only three people sit to the left of T. Only W sits to the right of D. Only three people sit between D and C. B sits at some place to the left of U but at some place to the right of V. How many people sit between V and U?

- Ans**
- ☐ A. One
 - ☐ B. Four
 - ☐ C. Two
 - ☒ D. Three

Q.58 Each of the digits in the number 56378492 is arranged in descending order from left to right. What will be the product of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☐ A. 21
 - ☐ B. 32
 - ☒ C. 24
 - ☐ D. 28

Q.59 In a row of 25 people facing north, Sanjay is 7th from the right end. If Anu sits 3rd to the left of Sanjay, then what is Anu's position from the left end of the line?

- Ans**
- ☐ A. 15th
 - ☐ B. 17th
 - ☐ C. 18th
 - ☒ D. 16th

Q.60 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DBD-BZB
JHJ-HFH

- Ans**
- ☒ A. VTV-TRT
 - ☐ B. VTV-SRS
 - ☐ C. VST-TRT
 - ☐ D. VST-SQS

Q.61 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ARB YVZ WZX UDV ?

- Ans**
- ☐ A. TGU
 - ☐ B. RGT
 - ☐ C. RHS
 - ☒ D. SHT

Q.62 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(55, 11, 5)

(36, 3, 12)

- Ans**
- ☒ A. (56, 14, 3)
 - ☒ B. (42, 15, 3)
 - ☒ C. (70, 5, 16)
 - ☒ D. (65, 5, 13)

Q.63 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 @ 3 \$ 2 ! 1 6 ^ & 9 3 ! @ # 3 \$ 5 + ! (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☒ A. 3
 - ☒ B. 6
 - ☒ C. 9
 - ☒ D. 2

Q.64 Priya starts from point A and drives 32 km towards the south. She then takes a right turn, drives 31 km, turns right and drives 43 km. She then takes a right turn and drives 54 km. She takes a final right turn, drives 11 km and stops at point P. How far (shortest distance) and towards which direction should she drive in order to reach point A again? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ☒ A. 22 km to the west
 - ☒ B. 23 km to the west
 - ☒ C. 24 km to the south
 - ☒ D. 21 km to the west

Q.65 What should come in place of the question mark (?) in the given series?

71 59 46 32 17 ?

- Ans**
- ☒ A. 1
 - ☒ B. 3
 - ☒ C. -1
 - ☒ D. 2

Q.66 O, P, Q, R, W, X and Y are sitting in a straight line facing north. Only three people sit between W and Y. P sits to the immediate left of Y. No one sits to the right of Q. Only two people sit between Q and P. X sits to the immediate right of O. How many people sit between R and X?

- Ans**
- ☒ A. Three
 - ☒ B. One
 - ☒ C. Four
 - ☒ D. Two

Q.67 In a certain code language, 'SOUP' is coded as '5179' and 'PACE' is coded as '2418'. What is the code for 'P' in the given code language?

- Ans ☐ A. 2
☐ B. 7
☒ C. 1
☐ D. 9

Q.68 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:

All jacks are hammers.
All jacks are keys.
All jacks are drillers.

Conclusions:

(I) All hammers are drillers.
(II) Some drillers are keys.

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

Q.69 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

YCG 87 IMQ 95 SWA 103 CGK 111 ?

- Ans ☐ A. MRX 118
☐ B. MRT 119
☒ C. MQU 119
☐ D. MPT 118

Q.70 In a certain code language, 'AMIE' is coded as '9432' and 'SAME' is coded as '4279'. What is the code for 'S' in that language?

- Ans ☐ A. 9
☐ B. 2
☒ C. 7
☐ D. 4

Q.71 This question is based on the five, three-digit numbers given below.

(Left) 593, 784, 358, 631, 296 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans ☐ A. 17
☒ B. 13
☐ C. 14
☐ D. 10

Q.72 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. NB - LZ
 - ☐ B. EL - CJ
 - ☐ C. AQ - YO
 - ☒ D. DW - BV

Q.73 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. NKP
 - ☐ B. MJO
 - ☐ C. HEJ
 - ☒ D. RQP

Q.74 In a school complex, Building A is to the south of Building B. Building E is to the east of Building B. Building D is to the west of Building A. Building C is to the south of Building E. What is the position of Building C with respect to Building B?

- Ans**
- ☐ A. East
 - ☒ B. South-east
 - ☐ C. South
 - ☐ D. West

Q.75 What should come in place of the question mark (?) in the given series?

2, 27, 63, 112, 176, ?

- Ans**
- ☐ A. 256
 - ☒ B. 257
 - ☐ C. 259
 - ☐ D. 258

Q.76 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 rabbits are fans.

No fan is a car.

Conclusions:

(I): Some rabbits are cars.

(II): Some fans are rabbits.

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

Q.77 If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 5341256, what will be the sum of the digits which are first from the left and second from the right in the new number thus formed?

- Ans** ☒ A. 10
☒ B. 16
☒ C. 8
☒ D. 14

Q.78 Seven boxes, B, D, E, P, S, T and W, are kept one over the other, but not necessarily in the same order.
W is kept second from the bottom. Only three boxes are kept between W and B. P is kept at one of the positions below W. Only D is kept between B and S. E is kept at one of the positions above B.
How many boxes are kept between P and E?

- Ans** ☒ A. Four
☒ B. One
☒ C. Three
☒ D. Five

Q.79 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 9 8 9 8 1 9 4 4 8 2 8 2 9 6 8 9 9 8 8 9 6 5 5 1 5 3 1 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☒ A. 5
☒ B. 3
☒ C. 2
☒ D. 4

Q.80 If 'P' stands for '×', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '÷', then what will come in place of question mark (?) in the following equation?

78 P 3 R 15 Q 5 S 126 Q 3 S 117 Q 9 S 125 Q 5 = ?

- Ans** ☒ A. 384
☒ B. 351
☒ C. 311
☒ D. 332

Section : General Awareness and Current Affairs

Q.81 Who conferred awards to cities under the Swachh Vayu Sarvekshan Awards 2025?

- Ans** ☒ A. Prime Minister of India
☒ B. Finance Minister, GoI
☒ C. Environment Minister, GoI
☒ D. President of India

Q.82 Before the approval of caste census in 2025, the last major attempt to gather caste-based data at the national level was made through which exercise?

- Ans** ☒ A. Socio-Economic and Caste Census (SECC), 2011
☒ B. Economic Census of 2001
☒ C. Census of India, 1971
☒ D. National Sample Survey, 2005

Q.83 In April 2025, which international organisation acknowledged India's achievement in lifting 171 million people out of extreme poverty?

- Ans**
- ☐ A. International Monetary Fund
 - ☐ B. Asian Development Bank
 - ☒ C. World Bank
 - ☐ D. United Nations

Q.84 Which student-led national case competition launched in October 2025 aims to address malnutrition and promotes SDG 2 (Zero Hunger) and SDG 3 (Good Health & Well-being)?

- Ans**
- ☐ A. Udaan – Education for All
 - ☐ B. Viksit Bharat Challenge
 - ☐ C. Swasth India Mission
 - ☒ D. Yukti – Nutrition Nirmaan

Q.85 In October 2024, which of the following state governments launched India's first integrated state-level Cyber Command and Control Centre to serve as a comprehensive hub for handling grievances through multiple channels, including a helpline, web portal and mobile app?

- Ans**
- ☐ A. Haryana
 - ☐ B. Chhattisgarh
 - ☐ C. Kerala
 - ☒ D. Maharashtra

Q.86 Which city hosted the prestigious Michelin Guide awards in February 2025?

- Ans**
- ☐ A. Birmingham, England
 - ☐ B. Cardiff, Wales
 - ☒ C. Glasgow, Scotland
 - ☐ D. Edinburgh, Scotland

Q.87 Who, as a digital content creator, co-founded Monk Entertainment and was a prominent figure in 2025?

- Ans**
- ☐ A. Jeet Shah
 - ☒ B. Ranveer Allahbadia
 - ☐ C. Sanchit Patil
 - ☐ D. Abhishek Mishra

Q.88 What is the name of the new defence facility inaugurated by Rajnath Singh in New Delhi in November 2025?

- Ans**
- ☐ A. National Defence Hub
 - ☐ B. India Defence Parisar
 - ☒ C. DPSU Bhawan
 - ☐ D. Defence PSU Nilayam

Q.89 As of 11 June 2025, approximately how much aid did Punjab National Bank (PNB) provide under the Rakshak Plus Scheme for martyrs' families?

- Ans**
- ☐ A. ₹37 crore
 - ☐ B. ₹27 crore
 - ☐ C. ₹7 crore
 - ☒ D. ₹17 crore

Q.90 As notified in February 2025, which of the following companies introduced India's first Air Quality Index-based parametric insurance for construction workers in the Delhi-National Capital Region?

- Ans**
- ☐ A. Tata AIG General Insurance
 - ☐ B. Star Health and Allied Insurance
 - ☐ C. National Insurance Company Limited
 - ☒ D. Go Digit General Insurance Limited

Q.91 Who set the record for the highest individual score in the history of the Champions Trophy innings with 165 runs?

- Ans**
- ☐ A. Josh Inglis
 - ☐ B. Alex Carey
 - ☒ C. Ben Duckett
 - ☐ D. Ibrahim Zadran

Q.92 In which union territory of India was the world's highest rail arch bridge inaugurated by the Prime Minister of India in June 2025?

- Ans**
- ☐ A. New Delhi
 - ☒ B. Jammu and Kashmir
 - ☐ C. Chandigarh
 - ☐ D. Ladakh

Q.93 Which important day commemorating India's victory over Pakistan was observed on 26 July 2025?

- Ans**
- ☒ A. Kargil Vijay Diwas
 - ☐ B. Independence Day
 - ☐ C. Republic Day
 - ☐ D. Border Security Day

Q.94 What was the central focus of the 7th Future Food Forum 2025 held in Dubai, UAE?

- Ans**
- ☒ A. Advancing food security, trade and innovation
 - ☐ B. Enhancing tourism-led growth through digital platforms
 - ☐ C. Building a circular economy for global manufacturing networks
 - ☐ D. Strengthening financial inclusion and fintech cooperation

Q.95 In January 2025, Gujarat Chief Minister Bhupendra Patel inaugurated the Khel Mahakumbh 3.0 in which city?

- Ans**
- ☒ A. Rajkot
 - ☐ B. Vadodara
 - ☐ C. Surat
 - ☐ D. Ahmedabad

Q.96 When did the Government of India reconstitute the Atomic Energy Commission to include TV Somanathan and Manoj Govil?

- Ans**
- ☐ A. November 2024
 - ☒ B. January 2025
 - ☐ C. March 2025
 - ☐ D. December 2024

Q.97 Which of the following parties won 5 seats in the Bihar Assembly elections 2025?

- Ans**
- ☐ A. Janata Dal (United)
 - ☐ B. Bahujan Samaj Party
 - ☐ C. Lok Janshakti Party (Ram Vilas)
 - ☒ D. Hindustani Awam Morcha (Secular)

Q.98 Who developed the Adarsh Sports Complex in Jaipur that was inaugurated in April 2025?

- Ans**
- ☐ A. Ministry of Youth Affairs and Sports
 - ☐ B. Rajasthan Sports Authority
 - ☐ C. Jaipur Development Authority (JDA)
 - ☒ D. Jaipur Municipal Corporation - Greater (JMC-G)

Q.99 Where was the Senior Asian Wrestling Championship 2025 held?

- Ans**
- ☐ A. Uzbekistan
 - ☐ B. Qatar
 - ☐ C. Saudi Arabia
 - ☒ D. Jordan

Q.100 In September 2025, which range of Kaziranga National Park and Tiger Reserve was announced to open first for the 2025–26 tourist season?

- Ans**
- ☒ A. Bagori Range
 - ☐ B. Agaratoli Range
 - ☐ C. Burapahar Range
 - ☐ D. Kohora Range



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Moula Ali
Test Date	02/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Bleaching powder is chemically formed by:

- Ans
- ☐ A. NaOH reacting with HCl acid
 - ☐ B. CaCl_2 reacting with O_2 gas
 - ☐ C. CaCO_3 reacting with CO_2 gas
 - ☒ D. Ca(OH)_2 reacting with Cl_2 gas

Q.2 How are the magnetic field lines arranged inside a current-carrying solenoid?

- Ans
- ☐ A. Random
 - ☐ B. Radial from the centre
 - ☐ C. Curved and non-uniform
 - ☒ D. Parallel and uniformly spaced

Q.3 When does rust form on iron?

- Ans
- ☐ A. When it reacts with carbon dioxide
 - ☒ B. When it comes in contact with water and oxygen
 - ☐ C. When it comes in contact with dry air
 - ☐ D. When it is exposed to only heat

Q.4 The reaction of an alcohol with ethanoic acid in the presence of a catalyst forms water and:

- Ans
- ☐ A. An aldehyde
 - ☒ B. An ester
 - ☐ C. A hydrocarbon
 - ☐ D. A salt

Q.5 Consider the following statements and select the correct option.

Statement A: Alcohols react with sodium to evolve hydrogen.

Statement B: No gas is evolved when sodium reacts with ethanol.

- Ans
- ☐ A. Both statements A and B are incorrect.
 - ☐ B. Statement A is incorrect but B is correct.
 - ☐ C. Both statements A and B are correct.
 - ☒ D. Statement A is correct but B is incorrect.

Q.6 Which of the following is NOT a method of introducing desirable character in crop varieties?

- Ans**
- ☒ A. Intergeneric hybridisation
 - ☒ B. Intragenic hybridisation
 - ☒ C. Interspecific hybridisation
 - ☒ D. Intervarietal hybridisation

Q.7 When an object is placed beyond the centre of curvature (C) in front of a concave mirror, what kind of image is formed?

- Ans**
- ☒ A. Same size, real, and upright
 - ☒ B. Diminished, real, and inverted
 - ☒ C. Enlarged, virtual, and upright
 - ☒ D. Highly enlarged and virtual

Q.8 Which of the following is NOT true regarding the speed of sound?

- (i) Speed of sound increases with the increase in the temperature of the medium.
- (ii) Speed of sound in solid state is greater than the speed of sound in gaseous state.
- (iii) Speed of sound decreases with the increase in the temperature of the medium.
- (iv) Speed of sound is independent of the properties of the medium through which it travels.

- Ans**
- ☒ A. Both (i) and (ii)
 - ☒ B. Both (ii) and (iii)
 - ☒ C. Both (i) and (iv)
 - ☒ D. Both (iii) and (iv)

Q.9 During uniform motion of an object along a straight line _____.

- Ans**
- ☒ A. The change in velocity over any time interval is zero.
 - ☒ B. The velocity has different values at different instants and at different points of the path.
 - ☒ C. The velocity changes continuously with time.
 - ☒ D. The change in velocity over any time interval is non zero.

Q.10 What is the main function of muscular tissue in the human body?

- Ans**
- ☒ A. It stores energy and maintains body temperature.
 - ☒ B. It produces movement by contracting and relaxing.
 - ☒ C. It provides protection and structural support to organs.
 - ☒ D. It transmits impulses between different body organs.

Q.11 If the height of an image (h') is measured perpendicular to and below the principal axis (along the $-y$ -axis), then what sign is assigned to its value according to the convention?

- Ans**
- ☒ A. Dependent on the magnification
 - ☒ B. Positive
 - ☒ C. Negative
 - ☒ D. Neutral

Q.12 Which tissue or tissues can help animals respond quickly to changes in their surroundings?

- Ans**
- ☒ A. Bone and cartilage working together
 - ☒ B. Digestive and excretory systems working together
 - ☒ C. Nerve impulses and muscle tissue working together
 - ☒ D. Muscle tissue alone

Q.13 The Law of Gravitation helped in establishing that:

- Ans** ☒ A. the same force governs both falling bodies on Earth and motion of planets
☐ B. the Earth is flat
☐ C. gravitation acts only on terrestrial objects
☐ D. the Sun revolves around the Earth

Q.14 If a wire has a resistance R and a current I passes through it, the power dissipated in the wire is given by:

- Ans** ☐ A. $P=I^2/R$
☒ B. $P=I^2R$
☐ C. $P=V/I$
☐ D. $P=V^2R$

Q.15 What type of reproduction is involved when buds from the leaf margins of Bryophyllum develop into new plants?

- Ans** ☒ A. Asexual reproduction by vegetative propagation
☐ B. Budding through stem nodes
☐ C. Asexual reproduction by spores
☐ D. Sexual reproduction

Q.16 In which of the following organisms do both fragmentation and spore formation occur?

- Ans** ☐ A. Yeast
☒ B. Fungi
☐ C. Planaria
☐ D. Amoeba

Q.17 The unit of formula unit mass is:

- Ans** ☐ A. kg
☐ B. mole
☒ C. u
☐ D. g

Q.18 The making of new cells in organisms is called _____.

- Ans** ☐ A. Cell secretion
☐ B. Cell fusion
☒ C. Cell division
☐ D. Cell respiration

Q.19 A force of 10 N acts on a body of mass 2 kg. The acceleration produced is:

- Ans** ☐ A. 10 m/s^2
☐ B. 2 m/s^2
☐ C. 20 m/s^2
☒ D. 5 m/s^2

Q.20 Which process is used for heating metal oxides to extract metals like copper and silver?

- Ans** ☒ A. Smelting
☐ B. Roasting
☐ C. Electrolysis
☐ D. Thermal Decomposition

Q.21 How much work is required to move a box through a distance of 3 m in the direction of a force of 25 N?

- Ans**
- ☒ A. 75.0 J
 - ☐ B. 750.0 J
 - ☐ C. 25.0 J
 - ☐ D. 0 J

Q.22 What is rancidity?

- Ans**
- ☐ A. The process of food becoming stale due to drying
 - ☐ B. The process of food decaying due to bacterial growth
 - ☒ C. The process where fats and oils in food are oxidised, leading to changes in smell and taste
 - ☐ D. The process of preserving food by adding salt or sugar

Q.23 Which of the following is not an abiotic component of an ecosystem?

- Ans**
- ☐ A. Temperature
 - ☒ B. Microbes
 - ☐ C. Wind
 - ☐ D. Rainfall

Q.24 What helps flowering plants to grow new plants in the next generation?

- Ans**
- ☒ A. Seed formation and germination
 - ☐ B. Formation of stigma
 - ☐ C. Formation of roots
 - ☐ D. Growth of petals

Q.25 Which of the following most precisely defines the 'concentration of a solution'?

- Ans**
- ☐ A. The sensory characteristics such as hue and flavor
 - ☐ B. The proportional relationship between mass and velocity
 - ☐ C. The total count of gaseous particles dispersed in air
 - ☒ D. The quantity of dissolved substance relative to the solvent

Section : Mathematics

Q.26 An uncle is currently six times as old as his nephew. In 20 years from now, he will be only twice as old. Find the nephew's current age.

- Ans**
- ☐ A. 30 years
 - ☐ B. 15 years
 - ☒ C. 5 years
 - ☐ D. 25 years

Q.27 Find the effective price percentage of the marked price after three consecutive discounts of 20%, 5% and 21% (rounded off to two decimal places).

- Ans**
- ☐ A. 62.04%
 - ☐ B. 58.66%
 - ☐ C. 63.04%
 - ☒ D. 60.04%

Q.28 The number 77,792 is divisible by:

- Ans**
- ☒ A. 13
 - ☐ B. 14
 - ☐ C. 15
 - ☐ D. 12

Q.29 Simplify: $18 - [6 - \{4 - (8 - 6 - 3)\}]$

- Ans
- ☐ A. 19
 - ☐ B. 9
 - ☒ C. 17
 - ☐ D. 16

Q.30 What is the least number that should be added to 443 so that the number obtained is exactly divisible by 12, 5 and 6?

- Ans
- ☐ A. 40
 - ☐ B. 41
 - ☒ C. 37
 - ☐ D. 33

Q.31 The arithmetic mean of the observations 31, 36, 83, 84, 93, 47, 17, 45 and 50 is:

- Ans
- ☒ A. 54
 - ☐ B. 47
 - ☐ C. 61
 - ☐ D. 48

Q.32 The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 4% and savings increase by 26%, then by what percentage does her income increase?

- Ans
- ☐ A. 8%
 - ☐ B. 9%
 - ☒ C. 6%
 - ☐ D. 5%

Q.33 Train A departs from station X at 8:00 AM and travels towards station Y at a speed of 50 km/hr. Train B departs from station Y at 9:00 AM and travels towards station X at a speed of 60 km/hr. If the two trains meet at 9:45 AM, find one-fourth of the distance between stations X and Y (in km).

- Ans
- ☐ A. 33.225
 - ☐ B. 32.125
 - ☒ C. 33.125
 - ☐ D. 33.175

Q.34 Water flows through a horizontal cylindrical pipe of internal radius 3.5 cm at 2 m per second. If the pipe is always half full, then what is the volume of water (in litres) discharged in 5 minutes?

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

- Ans
- ☐ A. 1045
 - ☒ B. 1155
 - ☐ C. 1455
 - ☐ D. 1275

Q.35 ₹2,288 is divided among Pankaj, Meera, and Ashok in such a way that if ₹39, ₹47, and ₹40 are deducted from their respective shares, they have money in the ratio 17:15:14. Find the actual share of Meera.

- Ans**
- ☒ A. ₹855
 - ☒ B. ₹752
 - ☒ C. ₹605
 - ☒ D. ₹805

Q.36 In a quadrilateral IJKL, $\angle I = 35^\circ$ and $\angle J = 24^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

- Ans**
- ☒ A. 19.5°
 - ☒ B. 34°
 - ☒ C. 27°
 - ☒ D. 29.5°

Q.37 A bookstore sells 2 maths books and 3 science books for ₹1,980. It also sells 3 maths books and 2 science books for ₹1,920. What is the total cost of one maths book and one science book?

- Ans**
- ☒ A. ₹820
 - ☒ B. ₹800
 - ☒ C. ₹780
 - ☒ D. ₹760

Q.38 If 30% of 10% of $\frac{2}{3}$ of a number is 577, find the number.

- Ans**
- ☒ A. 28850
 - ☒ B. 32310
 - ☒ C. 32490
 - ☒ D. 30300

Q.39 The amount on a sum of ₹2,600 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☒ A. ₹3,356
 - ☒ B. ₹3,269
 - ☒ C. ₹3,928
 - ☒ D. ₹3,146

Q.40 If $\tan \theta = \sqrt{3}$, where θ is an acute angle, then what is the value of $\sec \theta$?

- Ans**
- ☒ A. 3
 - ☒ B. 0.5
 - ☒ C. 1.5
 - ☒ D. 2

Q.41 Solve: $\frac{(11)^3 - (10)^3}{(11)^2 + 11 \times 10 + (10)^2}$

- Ans**
- ☒ A. 1
 - ☒ B. 4
 - ☒ C. 3
 - ☒ D. 2

Q.42 A 300 m long train moving with a speed of 126 km/h crosses a platf
What is the speed of the boy in m/s?



- Ans
- ☒ A. 7
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 5

Q.43 Two successive increase of 40% each is by what percent
more than two successive decrease of 40% each?

- Ans
- ☒ A. 43 %
 - ☒ B. 52 %
 - ☒ C. 48 %
 - ☒ D. 50 %

Q.44 A shopkeeper bought 20 kg of rice at ₹50 per kg and sold it at ₹45 per kg. What is his
loss percentage?

- Ans
- ☒ A. 13%
 - ☒ B. 12%
 - ☒ C. 11%
 - ☒ D. 10%

Q.45 What is the volume (in cm^3) of a sphere having diameter 18 cm?
(Use $\pi = 3.1$)

- Ans
- ☒ A. 3013.2
 - ☒ B. 1506.6
 - ☒ C. 1807.2
 - ☒ D. 2504.6

Q.46 One pipe can fill a tank in 4 minutes while another pipe can empty the completely
filled tank in 8 minutes. If both the pipes are opened together when the tank is
empty, then how many minutes will it take to fill one-half of the tank?

- Ans
- ☒ A. 4 minutes
 - ☒ B. 8 minutes
 - ☒ C. 5 minutes
 - ☒ D. 9 minutes

Q.47 If $63 : A :: A : 175$, then find the positive value of A.

- Ans
- ☒ A. 104
 - ☒ B. 103
 - ☒ C. 108
 - ☒ D. 105

Q.48 The average of the squares of the first 4 natural numbers is:

- Ans
- ☒ A. 7.5
 - ☒ B. 8.5
 - ☒ C. 6.5
 - ☒ D. 9.5

Q.49 An agent sells a pan with a marked price of ₹6,420 at a discount of 20%. What is the selling price (in ₹) of the pan?

- Ans** ☒ A. 5,136
☒ B. 5,137
☒ C. 5,135
☒ D. 5,138

Q.50 Pipes A and B can fill an empty cistern in 20 min and 35 min, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 28 min?

- Ans** ☒ A. 4 min
☒ B. 20 min
☒ C. 10 min
☒ D. 5 min

Section : General Intelligence and Reasoning

Q.51 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$10 \div 2 + 21 \times 7 - 8 = ? + 5$$

- Ans** ☒ A. 25
☒ B. 28
☒ C. 22
☒ D. 30

Q.52 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) R B M Y A C T F K W N J Z Q L X O P E D H V (Right)

How many letters are immediately followed by vowels in the series?

- Ans** ☒ A. Three
☒ B. Six
☒ C. Five
☒ D. Four

Q.53 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 is the letter-cluster that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

- Ans** ☒ A. WTR
☒ B. TRO
☒ C. BYW
☒ D. SPN

Q.54 Mayank starts from Point A and drives 47 km towards the north. He then takes a right turn, drives 48 km, turns right and drives 51 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 4 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. 8 km to the east
☒ D. 7 km to the west

Q.55 DINS is related to GLQV in a certain way based on the English alphabetical order. In the same way, HMRW is related to KPUZ. To which of the given options is BGLQ related, following the same logic?

- Ans**
- ☐ A. CHKP
 - ☐ B. DHOS
 - ☐ C. CIOS
 - ☒ D. EJOT

Q.56 Meghnath starts from point M and drives 8 km towards North. He then takes a left turn, drives 3 km, turns right, and drives 5 km. He then takes a right turn and drives 3 km. Finally, he takes a right 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 M again? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ☐ A. 3 km towards North
 - ☐ B. 5 km towards East
 - ☒ C. 12 km towards South
 - ☐ D. 8 km towards East

Q.57 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

ODH, QFJ, SHL, UJN, ?

- Ans**
- ☐ A. WMQ
 - ☒ B. WLP
 - ☐ C. WLQ
 - ☐ D. WMP

Q.58 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. PLM
 - ☐ B. JFG
 - ☐ C. EAB
 - ☒ D. XTV

Q.59 In a row of 51 people facing the north, Mahesh sits 18th from the right end. If Valli sits 22nd from the left end of the line, then how many people sit between Mahesh and Valli?

- Ans**
- ☐ A. 14
 - ☒ B. 11
 - ☐ C. 13
 - ☐ D. 12

Q.60 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 25, 17)

(13, 33, 25)

- Ans**
- ☐ A. (8, 9, 1)
 - ☐ B. (11, 29, 38)
 - ☐ C. (15, 37, 45)
 - ☒ D. (14, 35, 27)

Q.61 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:

All models are actors.

Some actors are directors.

All directors are producers.

Conclusion I: Some actors are producers.

Conclusion II: All models are directors.

- 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.62 Seven people, E, F, G, H, I, J and K are sitting in a straight row, facing north. Only four people sit to the left of J. Only three people sit between J and E. K sits second to the left of F. H is an immediate neighbour of G and J. Who sits second to the left of J?

- Ans**
- ☐ A. F
 - ☒ B. I
 - ☐ C. K
 - ☐ D. G

Q.63 This question is based on the five, three-digit numbers given below.

(Left) 826, 117, 681, 964, 529 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 7
 - ☐ B. 13
 - ☒ C. 5
 - ☐ D. 11

Q.64 What should come in place of the question mark (?) in the given series?

129 143 154 168 179 ?

- Ans ☐ A. 195
☐ B. 189
☒ C. 193
☐ D. 191

Q.65 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MKO-KIM
RPT-PNR

- Ans ☐ A. FCF-CAE
☐ B. FCF-DBF
☐ C. FDH-CBE
☒ D. FDH-DBF

Q.66 In a certain code language, 'lets move on' is coded as 'rk ts jn' and 'move on the' is coded as 'pl jn ts'. How is 'lets' coded in that language?

- Ans ☐ A. pl
☐ B. jn
☒ C. rk
☐ D. ts

Q.67 DWXK is related to LEFS in a certain way based on the English alphabetical order. In the same way, JCDQ is related to RKLY. To which of the given options is HABO related, following the same logic?

- Ans ☐ A. PIOL
☐ B. PDER
☐ C. PJWE
☒ D. PIJW

Q.68 In a certain code language,

A ± B means 'A is the wife of B',
A * B means 'A is the sister of B',
A ₹ B means 'A is the father of B' and
A # B means 'A is the brother of B'.

How is D related to O if 'D * R # A ± C ₹ O'?

- Ans ☒ A. Mother's sister
☐ B. Mother
☐ C. Sister
☐ D. Wife's sister

Q.69 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.
Only 2 people sit to the left of B. Only 3 people sit between C and F, neither of whom sits at the extreme ends. D sits immediately to the right of E. A sits immediately to the left of C.
How many people sit to the right of C?

- Ans ☐ A. 3
☐ B. 2
☒ C. 5
☐ D. 4

Q.70 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEA 48 CDZ 55 BCY 62 ABX 69 ?

- Ans ☒ A. ZAW 76
☐ B. ZIS 75
☐ C. ZZV 75
☐ D. ZBV 76

Q.71 Each of the digits in the number 7483516 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans ☐ A. Three
☐ B. Two
☐ C. One
☒ D. None

Q.72 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?

42 B 3 D 70 A 2 C 9 B 4 D (36 A 6) B 3 = ?

- Ans ☐ A. 123
☒ B. 109
☐ C. 97
☐ D. 81

Q.73 Arvind ranked 15th from the top and 10th from the bottom in his class. How many students are there in the class?

- Ans ☐ A. 23
☐ B. 26
☐ C. 25
☒ D. 24

Q.74 In a certain code language, OGAR is coded as 123 and ZAPQ is coded as 180. What is the code for WVDL in that language?

- Ans ☐ A. 172
☒ B. 183
☐ C. 180
☐ D. 177

Q.75 This question is based on the five, three-digit numbers given below.

(Left) 496 357 256 547 413 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE - All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- Ans ☐ A. 12
☐ B. 14
☒ C. 15
☐ D. 13

Q.76 What should come in place of ? in the given series?
84 85 87 91 99 ?

- Ans** ☒ A. 115
☐ B. 117
☐ C. 114
☐ D. 116

Q.77 What should come in place of the question mark (?) in the given series?

1 2 10 ? 101 226

- Ans** ☐ A. 40
☒ B. 37
☐ C. 19
☐ D. 30

Q.78 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 conclusion(s) logically follow(s) from the given statements.

Statements:

All hotels are restaurants.
All restaurants are cafes.
Some restaurants are bars.

Conclusions:

(I): Some cafes are bars.
(II): Some hotels are bars.

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

Q.79 Refer to the following number, symbol series and answer the question. (All numbers are single-digit numbers only).

(Left) 3 % & @ 1 7 \$ 5 @ 2 & 6 % Ω 4 @ 9 * £ 5 (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

- Ans** ☐ A. 6
☐ B. 7
☐ C. 5
☒ D. 2

Q.80 Eight friends, Aman, Babu, Chotu, Deepu, Ehsan, Farookh, Guna, and Hari, are sitting around a circular table facing the centre. Deepu is second to the left of Farookh. Deepu is third to the right of Hari. Aman is second to the right of Farookh. Chotu is second to the right of Babu. Farookh is third to the right of Babu. Guna is not an immediate neighbour of Farookh. Who is second to the right of Aman?

- Ans** ☐ A. Chotu
☒ B. Guna
☐ C. Ehsan
☐ D. Deepu

Q.81 The Indian contingent participating in the Joint Military Exercise MITRA SHAKTI-2025 is mainly represented by which regiment of the Indian Army?

- Ans
- ☐ A. Sikh Regiment
 - ☐ B. Kumaon Regiment
 - ☐ C. Gorkha Regiment
 - ☒ D. Rajput Regiment

Q.82 The improved SHe-Box portal announced by Uttar Pradesh in May 2025 supports which gender at workplaces?

- Ans
- ☒ A. Women
 - ☐ B. Men
 - ☐ C. LGBTQ+
 - ☐ D. Transgender persons

Q.83 In IPL 2025, who became the first Indian to score 1000 runs against four IPL teams?

- Ans
- ☒ A. Virat Kohli
 - ☐ B. Shikhar Dhawan
 - ☐ C. Suresh Raina
 - ☐ D. Rohit Sharma

Q.84 Which female footballer received the 'International Player of the Year' at the Women's Football Awards, 2025?

- Ans
- ☐ A. Vivianne Miedema
 - ☒ B. Alexia Putellas
 - ☐ C. Sam Kerr
 - ☐ D. Ada Hegerberg

Q.85 What was India's extreme poverty rate in 2022-23 as per World Bank's June 2025 report?

- Ans
- ☐ A. 10.5%
 - ☒ B. 2.3%
 - ☐ C. 5.3%
 - ☐ D. 7.3%

Q.86 In May 2025, which Indian city mandated anti-smog guns at buildings above 3,000 square metres?

- Ans
- ☐ A. Chennai
 - ☐ B. Kolkata
 - ☒ C. Delhi
 - ☐ D. Mumbai

Q.87 In December 2025, which of the following African countries approved an agreement allowing Russia to establish its first naval base on the African continent?

- Ans
- ☒ A. Sudan
 - ☐ B. Algeria
 - ☐ C. South Africa
 - ☐ D. Ethiopia

Q.88 Which among the following countries was visited by the Prime Minister of India in June 2025?

- Ans**
- ☒ A. Croatia
 - ☐ B. Bangladesh
 - ☐ C. New Zealand
 - ☐ D. Brazil

Q.89 What is the projected global GDP growth rate for 2025, as stated in IMF's January World Economic Outlook Update?

- Ans**
- ☐ A. 3.7%
 - ☒ B. 3.3%
 - ☐ C. 2.8%
 - ☐ D. 4.2%

Q.90 Who won the ICC World Test Championship (WTC) Final held in June 2025 at Lord's by defeating Australia by 5 wickets to claim their first WTC title?

- Ans**
- ☐ A. England
 - ☐ B. India
 - ☒ C. South Africa
 - ☐ D. New Zealand

Q.91 As announced in the Union Budget 2025-26, which among the following initiatives aims to mobilise ₹10 lakh crore by 2030?

- Ans**
- ☐ A. Postal Life Insurance (PLI) Scheme
 - ☐ B. Swachh Bharat
 - ☒ C. Second Asset Monetisation Plan
 - ☐ D. National Monetisation Pipeline

Q.92 Which of the following organisations released the second edition of the draft of the National Essential Diagnostics List (NEDL) in January 2025?

- Ans**
- ☐ A. Council of Scientific & Industrial Research
 - ☒ B. The Indian Council of Medical Research
 - ☐ C. Office of the Principal Scientific Adviser
 - ☐ D. Department of Biotechnology

Q.93 Who wrote the book 'The Chola Tigers: Avengers of Somnath'?

- Ans**
- ☐ A. Manorama Mishra
 - ☒ B. Amish Tripathi
 - ☐ C. Arundhati Roy
 - ☐ D. Natwar Singh

Q.94 Which Ministry received ₹3,794 crore in the Union Budget, 2025-2026, allocations?

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

Q.95 During which major national event in November 2025 did the government unveil the Dumpsite Remediation Accelerator Programme (DRAP) to accelerate legacy waste cleanup across urban India?

- Ans**
- ☐ A. Swachhata Pakhwada 2025
 - ☐ B. National Environment Summit 2025
 - ☐ C. India Sanitation Conclave 2025
 - ☒ D. National Urban Conclave 2025

Q.96 For balancing economic growth with environmental protection, the government of Uttarakhand in October 2025 launched which of the following?

- Ans**
- ☐ A. Seven-point policy
 - ☐ B. Five-point policy
 - ☐ C. Eight-point policy
 - ☒ D. Nine-point policy

Q.97 Who among the following received the prestigious 2024 Vigyan Ratna award?

- Ans**
- ☐ A. Gagandeep Kang
 - ☐ B. Chandrima Shaha
 - ☒ C. Govindarajan Padmanabhan
 - ☐ D. Satyajit Rath

Q.98 How many total medals did India win at the 2025 Asian Youth Games held in Manama, Bahrain?

- Ans**
- ☐ A. 54
 - ☐ B. 36
 - ☒ C. 48
 - ☐ D. 42

Q.99 Which state secured second position, with a score of 74.24%, in the effective management practices followed in the National Parks (NP) and Protected Areas (PA) carried out by the Union Ministry of Environment, Forest and Climate Change for 2020-2025?

- Ans**
- ☐ A. Punjab
 - ☐ B. Himachal Pradesh
 - ☒ C. Karnataka
 - ☐ D. Gujarat

Q.100 As per the Union Budget 2025-26, a Makhana board will be established for boosting production and marketing of Makhana in which of the following states?

- Ans**
- ☐ A. Assam
 - ☒ B. Bihar
 - ☐ C. Uttarakhand
 - ☐ D. Jharkhand



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Ramakrishna Colony
Test Date	02/02/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Plastids have their own _____ and _____, similar to mitochondria.

- Ans**
- ☐ A. vesicles; proteins
 - ☐ B. enzymes; vacuoles
 - ☐ C. nucleus; chromosomes
 - ☒ D. DNA; ribosomes

Q.2 An object has a mass of 11 kg and is placed at a height above the ground. If its potential energy is 440 J and $g = 10 \text{ m/s}^2$, what is the height?

- Ans**
- ☐ A. 8 m
 - ☒ B. 4 m
 - ☐ C. 48,400 m
 - ☐ D. 2 m

Q.3 Which reaction best supports the Law of Conservation of Mass?

- Ans**
- ☐ A. Evaporation of alcohol in open air
 - ☐ B. Burning of paper in open air
 - ☒ C. Mixing of vinegar and baking soda in a sealed container
 - ☐ D. Heating iron in open air

Q.4 Which enzyme present in saliva helps break down starch?

- Ans**
- ☐ A. Trypsin
 - ☐ B. Lipase
 - ☐ C. Pepsin
 - ☒ D. Amylase

Q.5 Why does a galvanised iron article remain protected from rusting even if the zinc coating is scratched?

- Ans**
- ☐ A. Scratches allow oil to seep in and prevent rusting.
 - ☐ B. Iron forms a thin layer of rust that prevents further corrosion.
 - ☐ C. Zinc reacts with iron to form a protective layer of iron oxide.
 - ☒ D. Zinc is more reactive than iron and undergoes preferential oxidation, protecting the iron.

Q.6 Prokaryotic cells differ from eukaryotic cells in having which of the following?

- Ans**
- ☐ A. A true nucleus
 - ☐ B. Ribosomes
 - ☒ C. No membrane-bound nucleus
 - ☐ D. Membrane-bound organelles

Q.7 Which of the following properties of 'suspension' is INCORRECT?

- Ans**
- ☐ A. Particles of suspension can be separated from the mixtures by the process of filtration.
 - ☒ B. Particles of suspension do not scatter a beam of light.
 - ☐ C. Suspension is a heterogeneous mixture.
 - ☐ D. Particles of suspension are visible to the naked eye.

Q.8 The amount of solute dissolved in a particular solvent is defined in terms of:

- Ans**
- ☒ A. concentration
 - ☐ B. surface tension
 - ☐ C. fluidity
 - ☐ D. viscosity

Q.9 Which of the following statements suits best for the role of chemical methods of birth control in family planning?

- Ans**
- ☐ A. They mechanically block the fallopian tubes and suppress menstruation entirely.
 - ☒ B. They alter the hormone levels to inhibit ovulation and uterus preparation.
 - ☐ C. They prevent sperm from entering the uterus by thickening the vaginal wall.
 - ☐ D. They increase estrogen levels to promote ovulation and make fertilisation less likely.

Q.10 At what pH does tooth decay begin to occur in the human mouth?

- Ans**
- ☒ A. Below 5.5
 - ☐ B. Exactly 6.5
 - ☐ C. Between 7 and 8
 - ☐ D. Above 8

Q.11 When CO_2 reacts with calcium hydroxide, it gives calcium carbonate and water. Which property of CO_2 is seen in this reaction?

- Ans**
- ☒ A. Acidic property
 - ☐ B. Basic property
 - ☐ C. Neutral property
 - ☐ D. Oxidising property

Q.12 Which of the following is a result of the genetic variation introduced by sexual reproduction?

- Ans**
- ☒ A. Evolution
 - ☐ B. Formation of identical twins
 - ☐ C. Production of genetically identical offspring
 - ☐ D. Decreased chances of survival

Q.13 Water harvesting is important because it:

- Ans**
- ☐ A. Purifies the water bodies
 - ☒ B. Recharges groundwater
 - ☐ C. Reduces the mineral density in water bodies
 - ☐ D. Decreases the water supply to downstream areas

Q.14 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Vegetative propagation helps grow plants that do not produce seeds.

Reason (R): It uses flowers to grow new plants.

- Ans**
- ☐ A. A is false, but R is true
 - ☐ B. Both A and R are true, and R is the correct explanation of A
 - ☐ C. Both A and R are true, but R is not the correct explanation of A
 - ☒ D. A is true, but R is false

Q.15 A convex mirror always forms an image that is _____.

- Ans**
- ☐ A. real, erect, and same size as the object
 - ☐ B. real, inverted, and smaller than the object
 - ☐ C. virtual, erect, and larger than the object
 - ☒ D. virtual, erect, and diminished

Q.16 According to Ohm's law, the potential difference across a conductor is:

- Ans**
- ☒ A. directly proportional to the current
 - ☐ B. independent of the current
 - ☐ C. inversely proportional to the current
 - ☐ D. equal to the resistance

Q.17 Food web consists of different types of _____.

- Ans**
- ☐ A. trophic levels
 - ☐ B. ecosystems
 - ☒ C. food chains
 - ☐ D. foods

Q.18 What happens to the sound when the source vibrates faster?

- Ans**
- ☒ A. The frequency and pitch become higher.
 - ☐ B. The pitch stays the same, but frequency decreases.
 - ☐ C. The frequency and pitch become lower.
 - ☐ D. The sound stops producing compressions and rarefactions.

Q.19 Which of the following situations clearly illustrates Newton's third law, where action and reaction forces act on two different objects and are equal and opposite?

- Ans**
- ☐ A. A car accelerating due to engine power.
 - ☐ B. A stone resting on the ground.
 - ☒ C. A sailor pushes the boat backward while jumping forward, and the boat pushes him forward.
 - ☐ D. A book kept on a table remains at rest.

Q.20 Which of the following combination reactions is an example of exothermic reaction?

- Ans**
- ☐ A. $\text{CaCO}_{3(s)} \xrightarrow{\text{Heat}} \text{CaO}_{(s)} + \text{CO}_{2(g)}$
 - ☐ B. $\text{Pb}_{(s)} + \text{CuCl}_{2(aq)} \rightarrow \text{PbCl}_{2(aq)} + \text{Cu}_{(s)}$
 - ☐ C. $2\text{AgCl}_{(s)} \xrightarrow{\text{sunlight}} 2\text{Ag}_{(s)} + \text{Cl}_{2(g)}$
 - ☒ D. $\text{CH}_{4(g)} + 2\text{O}_2 \rightarrow \text{CO}_{2(g)} + 2\text{H}_2\text{O}$

Q.21 Which of the following is NOT a property of ionic compounds?

- Ans**
- ☐ A. They are generally solid at room temperature.
 - ☐ B. They can conduct electricity in an aqueous/molten state.
 - ☐ C. They generally have high melting and boiling points.
 - ☒ D. They are soluble in solvents such as kerosene and petrol.

Q.22 What is the correct formula for calculating pressure, where thrust is the force applied and area is the surface it acts on?

- Ans**
- ☐ A. Pressure = Thrust $\times$ Area
 - ☐ B. Pressure = Area $\div$ Thrust
 - ☒ C. Pressure = Thrust $\div$ Area
 - ☐ D. Pressure = Thrust + Area

Q.23 A particle accelerates uniformly at 2 m/s^2 . Its velocity changes from 5 m/s to 15 m/s . How long does this take?

- Ans**
- ☒ A. 5 s
 - ☐ B. 2 s
 - ☐ C. 10 s
 - ☐ D. 7s

Q.24 The resistance of a wire is 1Ω . If it is cut into two equal parts, the resistance of each part will be:

- Ans**
- ☐ A. 1Ω
 - ☐ B. 4Ω
 - ☒ C. 0.5Ω
 - ☐ D. 2Ω

Q.25 The absolute refractive index of a material is $4/3$. If the speed of light in air is $3 \times 10^8 \text{ m/s}$, then what will be the speed of light in this medium?

- Ans**
- ☒ A. $2.25 \times 10^8 \text{ m/s}$
 - ☐ B. $1.33 \times 10^8 \text{ m/s}$
 - ☐ C. $4 \times 10^8 \text{ m/s}$
 - ☐ D. $3 \times 10^8 \text{ m/s}$

Section : Mathematics

Q.26 What is the LCM of 13, 65, and 91?

- Ans**
- ☒ A. 455
 - ☐ B. 650
 - ☐ C. 5005
 - ☐ D. 1825

Q.27 Two trains are running in opposite directions at the same speed. If the length of each train is 444 m and they cross each other in 37 seconds, then what is the speed of each train?

- Ans**
- ☐ A. 9 m/s
 - ☐ B. 10 m/s
 - ☒ C. 12 m/s
 - ☐ D. 8 m/s

Q.28 The value of the expression $\frac{1.1^2 - 0.9^2}{0.011^2 - 0.009^2} \times 0.1^2$ is ____.

- Ans
- ☐ A. 0.1
 - ☒ B. 100
 - ☐ C. 10
 - ☐ D. 1

Q.29 If 4 lines of a print, in a column of a book, contain 36 words, how many words will a column of 50 lines contain?

- Ans
- ☐ A. 446
 - ☐ B. 454
 - ☒ C. 450
 - ☐ D. 460

Q.30 Rahul covers a distance of 225 km in 15 hours. How many hours will he take to cover 40% less distance if he drives 20% faster than his original speed?

- Ans
- ☐ A. 8
 - ☐ B. 7
 - ☐ C. 8.5
 - ☒ D. 7.5

Q.31 The volume of a sphere is numerically equal to its surface area. Find its radius (in units).

- Ans
- ☐ A. 5
 - ☒ B. 3
 - ☐ C. 4
 - ☐ D. 6

Q.32 X, Y and Z together can complete a piece of work in 8 days, while X alone can complete it in 24 days and Y alone can complete it in 36 days. Find in how many days Z alone can complete the work?

- Ans
- ☐ A. 12 days
 - ☐ B. 28 days
 - ☐ C. 48 days
 - ☒ D. 18 days

Q.33 If $P : 17 :: 42 : 6$, then find the value of P.

- Ans
- ☐ A. 116
 - ☐ B. 122
 - ☒ C. 119
 - ☐ D. 118

Q.34 The difference between the present ages of two sisters is 3 years. After 2 years, the elder sister will be twice as old as the younger sister was 2 years ago. Find the sum of their ages after 8 years from now.

- Ans
- ☐ A. 33 years
 - ☒ B. 37 years
 - ☐ C. 39 years
 - ☐ D. 31 years

Q.35 A, B and C can do a piece of work in 3, 9 and 18 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans** ☒ A. 4
☐ B. 12
☐ C. 8
☐ D. 5

Q.36 Find the effective price percentage of the marked price after three consecutive discounts of 11%, 18% and 20% (rounded off to two decimal places).

- Ans** ☐ A. 61.4%
☒ B. 58.38%
☐ C. 58.88%
☐ D. 62.14%

Q.37 The ratio of three numbers is 12 : 21 : 5. If 50 percent of the first number is 78, then what would be 50 percent of the absolute difference of third and second number?

- Ans** ☒ A. 104
☐ B. 103
☐ C. 102
☐ D. 105

Q.38 A dealer marks his goods at 25% above the cost price and allows a discount of 28% on the marked price. What is his gain or loss percentage?

- Ans** ☐ A. 11% loss
☐ B. 8% loss
☒ C. 10% loss
☐ D. 7% gain

Q.39 During the festive season, one large laddoo having radius 32 cm is made as prashad. After pooja, it is decided to make small laddoos from one large laddoo so as to distribute to the devotees. How many laddoos of radius 2 cm can be made?

- Ans** ☐ A. 3964
☐ B. 4132
☐ C. 3896
☒ D. 4096

Q.40 The mode of the observations 22, 21, 22, 20, 33, 34, 22, 29, 29, 31, 23, 23, 28, 32, 22, 26 and 27 is:

- Ans** ☐ A. 20
☐ B. 33
☒ C. 22
☐ D. 21

Q.41 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 66^\circ$. E is a point on BC such that $\angle CAE = 35^\circ$. What is the measure of $\angle AEB$?

- Ans** ☐ A. 65°
☐ B. 66°
☒ C. 59°
☐ D. 47°

Q.42 A man bought some oranges at the rate of 10 for ₹300 and sold them at the rate of 5 for ₹175. What is his profit percentage (correct to two decimal places)?

- Ans
- ☒ A. 14.67%
 - ☒ B. 16.67%
 - ☒ C. 15.67%
 - ☒ D. 18.67%

Q.43 By how much is 60% of 45 greater than $\frac{1}{5}$ of 55?

- Ans
- ☒ A. 13
 - ☒ B. 14
 - ☒ C. 10
 - ☒ D. 16

Q.44 A computer printed 1,76,400 lines in a given day. If the printer was in operation for 6 hours during the day, how many lines did it print per minute?

- Ans
- ☒ A. 460
 - ☒ B. 490
 - ☒ C. 450
 - ☒ D. 420

Q.45 Find the simple interest (in ₹) on ₹4,000 at 6% per annum rate of interest for the period from 22 February 2024 to 23 April 2024.

- Ans
- ☒ A. 41
 - ☒ B. 40
 - ☒ C. 39
 - ☒ D. 38

Q.46 Find the value of $\left\{ \frac{25 \times (4)^{-4}}{(5)^{-3} \times 10 \times (4)^{-8}} \right\} \div \left\{ \frac{(3)^{-5} \times (10)^{-5} \times 1}{(5)^{-7} \times (6)^{-5}} \right\}$

- Ans
- ☒ A. $\frac{89}{6}$
 - ☒ B. $\frac{73}{4}$
 - ☒ C. $\frac{149}{9}$
 - ☒ D. $\frac{128}{5}$

Q.47 The average of first 6 odd natural numbers, is:

- Ans
- ☒ A. 7
 - ☒ B. 5.5
 - ☒ C. 6
 - ☒ D. 6.5

Q.48 A vertical stick 15 m long casts a shadow 5 m long on the ground. At the same time, a tower casts a shadow of 46.5 m long on the ground. The height of the tower is:

- Ans
- ☒ A. 137.5 m
 - ☒ B. 135.5 m
 - ☒ C. 139.5 m
 - ☒ D. 141.5 m

Q.49 In a town with 75,000 voters, 95% cast their votes, all of which were valid. There were three candidates: A, B, and C. Candidate A received 40% of the valid votes, while candidate B received 12% fewer votes than A. What percentage of the valid votes did candidate C receive?

- Ans** ☐ A. 52%
☐ B. 15.2%
☒ C. 24.8%
☐ D. 48%

Q.50 A person saves 10% of his income. If his expenditure is ₹360, then his income (in ₹) is:

- Ans** ☐ A. 324
☐ B. 36
☒ C. 400
☐ D. 440

Section : General Intelligence and Reasoning

Q.51 All 54 people are standing in a row facing north. Mr. Akte is 8th from the right end while Mr. Memi is 21st from the left end. How many people are there between Mr. Akte and Mr. Memi?

- Ans** ☐ A. 26
☐ B. 23
☒ C. 25
☐ D. 24

Q.52 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?

(84 A 12) B 5 C 13 B 2 D 11 B 5 C 28 = ?

- Ans** ☐ A. 27
☒ B. 34
☐ C. 54
☐ D. 49

Q.53 A, B, C, D, E and F are sitting around a circular table, facing the centre. D sits third to the right of C. A sits second to the left of C. E sits second to the right of F. B sits to the immediate right of E. How many people sit between A and F, when counted from the left of A?

- Ans** ☐ A. None
☐ B. Two
☐ C. One
☒ D. Four

Q.54 In a certain code language,
P + Q means 'P is the husband of Q',
P # Q means 'P is the brother of Q',
P & Q means 'P is the mother of Q' and
P % Q means 'P is the sister of Q'.

How is F related to E if 'F # N + O & V % E'?

- Ans** ☐ A. Sister's son
☒ B. Father's brother
☐ C. Sister's husband
☐ D. Father's sister

Q.55 Each of the digits in the number 21786539 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ A. One
 - ☐ B. Three
 - ☐ C. None
 - ☒ D. Two

Q.56 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 14, 25)
(4, 13, 24)

- Ans**
- ☐ A. (9, 18, 23)
 - ☐ B. (8, 17, 6)
 - ☒ C. (6, 15, 26)
 - ☐ D. (10, 31, 42)

Q.57 YEVA is related to JPGL in a certain way based on the English alphabetical order. In the same way, QWNS is related to BHYD. To which of the given options is XDUZ related, following the same logic?

- Ans**
- ☒ A. IOFK
 - ☐ B. IOFJ
 - ☐ C. FIKO
 - ☐ D. FOKI

Q.58 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:

All bags are shoes.
All bags are caps.
All bags are laptops.

Conclusions:

(I): All shoes are laptops.
(II): Some laptops are caps.

- 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.59 All 46 people are standing in a row facing north. Z is 12th from the right end while G is 9th from the left end. How many people are there between Z and G?

- Ans**
- ☒ A. 25
 - ☐ B. 24
 - ☐ C. 21
 - ☐ D. 23

Q.60 Refer to the following letter series and answer the question. (Counting to be done from left to right only.)

(Left) D M X A G N R L W O T P Y E F Q K Z J V U H (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. Two
 - ☐ B. One
 - ☐ C. Three
 - ☒ D. More than three

Q.61 In a certain code language, 'AUTO' is coded as '2683' and 'TOUR' is coded as '8136'. What is the code for 'R' in that language?

- Ans**
- ☒ A. 1
 - ☐ B. 8
 - ☐ C. 6
 - ☐ D. 3

Q.62 JTUB is related to HRSZ in a certain way based on the English alphabetical order. In the same way, MXNP is related to KVLN. To which of the given options is LRYH related, following the same logic?

- Ans**
- ☐ A. JPXF
 - ☐ B. KQXG
 - ☒ C. JPWF
 - ☐ D. IOVE

Q.63 In a certain code language, 'go there now' is coded as 'lb gt de' and 'go to school' is coded as 'kj ft de'. How is 'go' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☐ A. kj
 - ☐ B. gt
 - ☒ C. de
 - ☐ D. lf

Q.64 Refer to the given number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 2 1 5 7 9 8 5 3 6 2 1 5 7 3 7 8 4 3 6 9 7 4 5 2 4 1 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. More than three
 - ☐ B. One
 - ☐ C. Two
 - ☐ D. Three

Q.65 Seven friends, L, M, N, O, Q, R and S, are sitting in a straight line facing north. No one sits to the right of S. S sits immediately to the right of Q. Only three people sit between S and N. R sits third to the left of M. O sits to the immediate right of M. How many people sit between L and Q?

- Ans**
- ☐ A. One
 - ☐ B. Zero
 - ☒ C. Three
 - ☐ D. Two

Q.66 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CYB 48 DZC 53 EAD 58 FBE 63 ?

- Ans**
- ☒ A. GBE 67
 - ☒ B. GCF 68
 - ☒ C. GDE 68
 - ☒ D. GHJ 67

Q.67 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

PSQ-MPN
GJH-DGE

- Ans**
- ☒ A. TWU-PTQ
 - ☒ B. TWU-QTR
 - ☒ C. TVS-PSQ
 - ☒ D. TVS-QTR

Q.68 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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. YBG
 - ☒ B. CFK
 - ☒ C. ILQ
 - ☒ D. JMQ

Q.69 What should come in place of the question mark (?) in the given series?

17, 22, 32, 47, 67, ?

- Ans**
- ☒ A. 91
 - ☒ B. 93
 - ☒ C. 94
 - ☒ D. 92

Q.70 This question is based on the five, three-digit numbers given below.

(Left) 654 842 684 714 385 (Right)

(Example: 697 - First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, then the position of how many numbers will remain unchanged?

- Ans**
- ☒ A. Four
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Three

Q.71 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. SQ-MK
 - ☒ B. CA-WU
 - ☒ C. GE-ZA
 - ☒ D. MK-GE

Q.72 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?

12 C 52 A 13 B 7 D 31 = ?

- Ans**
- ☒ A. 8
 - ☒ B. 9
 - ☒ C. 5
 - ☒ D. 7

Q.73 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

KDG, MFI, OHK, QJM, ?

- Ans**
- ☒ A. SLP
 - ☒ B. SKO
 - ☒ C. SKP
 - ☒ D. SLO

Q.74 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 statements.

Statements: Some Hydrogens are Oxygens. All Oxygens are Nitrogens. All Nitrogens are Carbons.

Conclusion I: All Oxygens are Carbons.

Conclusion II: Some Nitrogens are Hydrogens.

- Ans**
- ☒ A. Only Conclusion I follows
 - ☒ B. Neither Conclusion I nor II follows
 - ☒ C. Only Conclusion II follows
 - ☒ D. Both Conclusions I and II follow

Q.75 Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 4 8 @ 3 € 8 & 6 * 6 © 6 £ & 5 7 \$ \$ # 8 \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ A. 6
 - ☒ B. 8
 - ☒ C. 7
 - ☒ D. 5

Q.76 Vikas starts from Point Y and drives 81 km towards the south. He then takes a right and drives 77 km. He then takes a right turn and drives 27 km. He takes a right turn, drives 35 km. He then turns right, drives 39 km, turns left and drives 42 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans** ☒ A. 93 km towards the north
☐ B. 94 km towards the south
☐ C. 89 km towards the north
☐ D. 97 km towards the south

Q.77 What should come in place of the question mark (?) in the given series?

6 8 ? 18 26 36

- Ans** ☐ A. 14
☐ B. 13
☒ C. 12
☐ D. 11

Q.78 Kartik starts from Point A and drives 9 km towards east. He then takes a right turn, drives 5 km, turns right and drives 11 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☐ A. 6 km to the north
☒ B. 7 km to the south
☐ C. 6 km to the south
☐ D. 7 km to the north

Q.79 What should come in place of the question mark (?) in the given series?

1 5 11 19 ? 41

- Ans** ☐ A. 30
☐ B. 28
☒ C. 29
☐ D. 27

Q.80 Five people, A, B, C, D and E, are sitting in a row, facing towards the north. Only two people are sitting between A and D. B is sitting at the third position from the extreme left of the row. B is sitting to the immediate right of A. B is sitting to the immediate left of E. Exactly how many people are sitting between E and A?

- Ans** ☐ A. Three
☒ B. One
☐ C. None
☐ D. Two

Section : General Awareness and Current Affairs

Q.81 What was the theme of the National Disaster Management Authority (NDMA)'s 21st Formation Day, observed on 26 September 2025?

- Ans** ☐ A. Volunteerism in Disaster Management
☐ B. Empowering Communities for Disaster Risk Reduction Through Awareness
☐ C. Stopping Impact of Disaster Incidents in the Himalayan Region
☒ D. Technology for Risk Reduction – For a Safer Nation

Q.82 Which of the following villages in the Uttarkashi district of Uttarakhand was devastated by a flash flood caused by a cloudburst on 5 August 2025?

- Ans**
- ☐ A. Pangot
 - ☐ B. Kanatal
 - ☒ C. Dharali
 - ☐ D. Bhowali

Q.83 The Fit India Movement's 'Sundays on Cycle' event, aimed at promoting a healthy lifestyle, was held in February 2025. At which iconic Mumbai landmark did it take place?

- Ans**
- ☐ A. Bandra-Worli Sea Link
 - ☐ B. Chhatrapati Shivaji Maharaj Terminus
 - ☒ C. Gateway of India
 - ☐ D. Marine Drive

Q.84 Which milestone did Tata Lockheed Martin Aerostructures (TLMAL), a joint venture of Tata Advanced Systems (TASL) and Lockheed Martin achieve in India's defence manufacturing in December 2025?

- Ans**
- ☐ A. Delivery of 100th C-130J tail assembly
 - ☐ B. Delivery of 200th C-130J tail assembly
 - ☒ C. Delivery of 250th C-130J tail assembly
 - ☐ D. Delivery of 300th C-130J tail assembly

Q.85 In which track event did Animesh Kujur break his own national record?

- Ans**
- ☐ A. 800 m
 - ☐ B. 400 m
 - ☒ C. 200 m
 - ☐ D. 100 m

Q.86 Which among the following states was ranked first in the NITI Aayog's Fiscal Health Index (FHI) 2025 for the financial year 2022-23?

- Ans**
- ☐ A. Karnataka
 - ☐ B. Gujarat
 - ☐ C. Maharashtra
 - ☒ D. Odisha

Q.87 What type of weapon is DRDO planning to test under the DURGA-2 project?

- Ans**
- ☐ A. Biological Agent
 - ☐ B. Hypersonic Missile
 - ☒ C. Laser Weapon
 - ☐ D. Plasma Gun

Q.88 Where will India's first electronic waste (e-waste) eco-park be established by the Delhi government as a model for sustainable urban development?

- Ans**
- ☐ A. Anand Vihar
 - ☐ B. Rohini
 - ☒ C. Holambi Kalan
 - ☐ D. Dwarka

Q.89 What action did the Securities and Exchange Board of India (SEBI) take on 22 August 2025 regarding social-media financial schemes?

- Ans**
- ☐ A. Grant registration to finance influencers
 - ☐ B. Create a retail investor compensation fund
 - ☐ C. Ban all financial content on social media
 - ☒ D. Issue advisory against FPI-linked schemes

Q.90 The Defence Research and Development Organisation (DRDO) flight-tested the Integrated Air Defence Weapon System (IADWS) in August 2025. Which of the following DRDO laboratories developed the high-power laser-based Directed Energy Weapon (DEW) for the Integrated Air Defence Weapon System (IADWS)?

- Ans**
- ☐ A. Research Centre Imarat
 - ☒ B. Centre for High Energy Systems and Sciences
 - ☐ C. Defence Research and Development Laboratory
 - ☐ D. Defence Research and Development Establishment

Q.91 Where were the Special Olympics World Winter Games 2025 held?

- Ans**
- ☒ A. Italy
 - ☐ B. Iceland
 - ☐ C. China
 - ☐ D. Canada

Q.92 According to the World Bank's Poverty and Equity Brief Report 2025, India's extreme poverty rate fell from 16.2% (in 2011-12) to what percentage in 2022-23?

- Ans**
- ☐ A. 2.8%
 - ☒ B. 2.3%
 - ☐ C. 1.8%
 - ☐ D. 3.2%

Q.93 Which organisation confirmed strong economic growth in India's industrial and services sectors in May 2025, despite unemployment challenges?

- Ans**
- ☐ A. World Bank
 - ☐ B. Ministry of Finance
 - ☒ C. Reserve Bank of India
 - ☐ D. NITI Aayog

Q.94 In June 2025, which of the following organizations published the Global Economic Prospects (GEP) report, a flagship publication providing analysis of global economic trends, forecasts, and risks?

- Ans**
- ☐ A. World Economic Forum
 - ☒ B. World Bank Group
 - ☐ C. Asian Development Bank
 - ☐ D. International Monetary Fund

Q.95 On 11 March 2025, Finance Minister Nirmala Sitharaman announced a corpus of how much for a contingency fund in Manipur during the discussion on the 'Manipur Appropriation Bill, 2025' and 'The Manipur Appropriation (Vote on Account) Bill, 2025' in the Lok Sabha?

- Ans**
- ☒ A. ₹500 crore
 - ☐ B. ₹750 crore
 - ☐ C. ₹400 crore
 - ☐ D. ₹600 crore

Q.96 In September 2025, which female cheetah was released in Gandhi Sagar Wildlife Sanctuary to strengthen breeding efforts?

- Ans**
- ☐ A. Aasha
 - ☒ B. Dheera
 - ☐ C. Namib
 - ☐ D. Sasha

Q.97 As of July 2025, how many Indian cricketers have been nominated for a Laureus World Sports Award, including Rishabh Pant?

- Ans**
- ☐ A. One
 - ☐ B. Four
 - ☐ C. Three
 - ☒ D. Two

Q.98 Which summit involving regional leaders from East and Southeast Asia was held in Kuala Lumpur, Malaysia, on 26-27 May 2025?

- Ans**
- ☒ A. ASEAN-China Summit
 - ☐ B. East Asia Summit
 - ☐ C. Indo-Pacific Strategic Forum
 - ☐ D. Asia-Pacific Economic Cooperation Summit

Q.99 In October 2025, what was the RBI Monetary Policy Committee's decision on the policy repo rate and stance?

- Ans**
- ☐ A. Cut to 5.25% and shifted to 'accommodative' stance
 - ☒ B. Held at 5.50% and maintained a 'neutral' stance
 - ☐ C. Held at 5.90% with an 'accommodative' stance
 - ☐ D. Hiked to 5.75% and turned 'hawkish' stance

Q.100 'Why the Constitution Matters' is a book written by _____.

- Ans**
- ☐ A. Bibek Debroy
 - ☒ B. D.Y. Chandrachud
 - ☐ C. Arif Khan
 - ☐ D. Natwar Singh



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
 CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Aluva
Test Date	03/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements describes biological magnification?

- Ans
- ☐ A. Progressive increase in biological activities.
 - ☐ B. Pollutants are completely broken down by decomposers in the ecosystem.
 - ☐ C. Energy increases as it flows from producers to consumers.
 - ☒ D. Increase in concentration of harmful substances at higher trophic levels.

Q.2 What happens after fertilisation in a flowering plant?

- Ans
- ☐ A. The petals and stamens become the seed, and the ovary forms the embryo.
 - ☐ B. The entire flower dries up and falls off without forming any new structures.
 - ☐ C. The ovule becomes a fruit, and the ovary forms the seed.
 - ☒ D. The ovule becomes the seed, and the ovary becomes the fruit.

Q.3 When OH^- ions are added to an acidic solution, the pH:

- Ans
- ☐ A. becomes zero
 - ☐ B. stays the same
 - ☐ C. decreases
 - ☒ D. increases

Q.4 A constant force acts on an object of mass 4 kg for a duration of 2 s. It increases the object's velocity from 2 m/s to 8 m/s. What is the magnitude of the applied force?

- Ans
- ☐ A. 8 N
 - ☐ B. 24 N
 - ☐ C. 10 N
 - ☒ D. 12 N

Q.5 Which of the following is an example of uniform circular motion in daily life?

- Ans
- ☐ A. A bus accelerating on a straight road
 - ☐ B. A person walking in a straight line
 - ☐ C. A ball rolling down an inclined plane
 - ☒ D. A ceiling fan rotating at constant speed

Q.6 Which of the following devices works on the principle of force on a current-carrying conductor in a magnetic field?

- Ans**
- ☐ A. Transformer
 - ☐ B. Electric generator
 - ☒ C. Electric motor
 - ☐ D. Resistor

Q.7 Match the following.

Column A	Column B
1. Calyx	a. Carpels
2. Corolla	b. Stamens
3. Androecium	c. Petals
4. Gynoecium	d. Sepals

- Ans**
- ☐ A. 1 - a, 2 - c, 3 - b, 4 - d
 - ☐ B. 1 - d, 2 - b, 3 - c, 4 - a
 - ☒ C. 1 - d, 2 - c, 3 - b, 4 - a
 - ☐ D. 1 - c, 2 - d, 3 - b, 4 - a

Q.8 If the power of an engine is doubled while the time remains constant, the work done will _____.

- Ans**
- ☐ A. Be halved
 - ☐ B. Be quadrupled
 - ☐ C. Remain the same
 - ☒ D. Be doubled

Q.9 Which of the following activities CANNOT be taken as a defining characteristic of life?

- Ans**
- ☐ A. Breathing and internal maintenance of cells
 - ☐ B. Molecular movement within the cells
 - ☐ C. Growth-related movement of plants
 - ☒ D. Visible movement like walking or running

Q.10 What is a major disadvantage of connecting an electric bulb and an electric heater in series, based on their required operating current?

- Ans**
- ☒ A. They need currents of widely different values to operate properly
 - ☐ B. The current through the heater would stop immediately
 - ☐ C. The total voltage would decrease to zero
 - ☐ D. The total equivalent resistance would be zero

Q.11 Which of the following is a double displacement reaction?

- Ans**
- ☐ A. $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$
 - ☐ B. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
 - ☒ C. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
 - ☐ D. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

Q.12 Why do fodder crops require tall plants with profuse branching?

- Ans**
- ☒ A. To provide maximum green matter for fodder
 - ☐ B. To reduce harvesting time
 - ☐ C. To improve soil fertility
 - ☐ D. To increase grain yield

Q.13 Which of the following statements is NOT correct?

- Ans
- ☐ A. Frequency of vibration determines the pitch of sound
 - ☒ B. Sound can be produced by non-vibrating bodies
 - ☐ C. Amplitude of vibration affects loudness
 - ☐ D. Vibrations create compressions and rarefactions in air

Q.14 Which of the following structures acts as the basic filtration unit in the kidney?

- Ans
- ☐ A. Alveolus
 - ☐ B. Tracheid
 - ☒ C. Nephron
 - ☐ D. Villus

Q.15 In which part of the female reproductive system does fertilisation take place?

- Ans
- ☐ A. Uterus
 - ☐ B. Cervix
 - ☐ C. Ovary
 - ☒ D. Oviduct (fallopian tube)

Q.16 Molecules of compounds are formed by:

- Ans
- ☐ A. Metals joined with metals through metallic bonds
 - ☒ B. Different elements chemically bonded together
 - ☐ C. Mixing ions without forming any chemical bonds
 - ☐ D. One type of atom only with identical properties

Q.17 Which of the following is a molecule of a compound?

- Ans
- ☒ A. H_2O
 - ☐ B. O_2
 - ☐ C. He
 - ☐ D. N_2

Q.18 Which of the following reacts with bases to form salt and water?

- Ans
- ☐ A. Sodium oxide
 - ☐ B. Hydrogen gas
 - ☐ C. Calcium hydroxide
 - ☒ D. Carbon dioxide

Q.19 An object is placed at infinity in front of a convex lens. The image formed is:

- Ans
- ☐ A. at infinity, highly magnified
 - ☐ B. at $2F$, same size
 - ☐ C. between F and $2F$, inverted
 - ☒ D. at the focal point, highly diminished (point-sized)

Q.20 An object is dropped from a height. What is its initial velocity?

- Ans
- ☐ A. 9.8 m/s
 - ☐ B. Can't be determined
 - ☐ C. 10 m/s
 - ☒ D. 0 m/s

Q.21 Isobars are the atoms with:

- Ans**
- ☐ A. same refractive index but different melting point
 - ☒ B. same mass number but different atomic number
 - ☐ C. same melting point but different refractive index
 - ☐ D. same atomic number but different mass number

Q.22 The law of refraction is valid for which range of the angle of incidence?

- Ans**
- ☐ A. $i > 90^\circ$
 - ☒ B. $0^\circ < i < 90^\circ$
 - ☐ C. $0^\circ < i < 60^\circ$
 - ☐ D. $0^\circ < i < 45^\circ$

Q.23 In blood, oxygen is transported by ____.

- Ans**
- ☐ A. White blood corpuscles
 - ☒ B. Red blood corpuscles
 - ☐ C. Blood platelets
 - ☐ D. Lymph

Q.24 Which of the following is NOT an isotope of hydrogen atom?

- Ans**
- ☒ A. Helium
 - ☐ B. Deuterium
 - ☐ C. Protium
 - ☐ D. Tritium

Q.25 What is the primary characteristic that defines organic compounds?

- Ans**
- ☐ A. They are compounds that conduct electricity in their molten state.
 - ☐ B. They always contain oxygen atoms.
 - ☐ C. They are formed only by living organisms.
 - ☒ D. They primarily consist of carbon and hydrogen atoms, forming covalent bonds.

Section : Mathematics

Q.26 If $5^{x+y} = 3125$ and $3^{3x-y} = 2187$, then the value of $41x - 32y$ is:

- Ans**
- ☐ A. 55
 - ☐ B. 53
 - ☐ C. 57
 - ☒ D. 59

Q.27 Find the greatest number that exactly divides 46, 98 and 74.

- Ans**
- ☒ A. 2
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 3

Q.28 P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 36 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

- Ans**
- ☐ A. 18
 - ☒ B. 9
 - ☐ C. 10
 - ☐ D. 19

Q.29 The arithmetic mean of the observations 17, 64, 55, 37, 65, 12, 51, 18 and 59 is:

- Ans ☐ A. 44
☐ B. 37
☒ C. 42
☐ D. 51

Q.30 The average of 7 numbers is 23. If each number is increased by 4, what will the new average be?

- Ans ☐ A. 31
☐ B. 7
☒ C. 27
☐ D. 23

Q.31 Simplify: $\frac{\sin^2\theta(1 + \cot^2\theta)}{\sec^2\theta - 1}$

- Ans ☒ A. $\cot^2\theta$
☐ B. $\tan^2\theta$
☐ C. $\operatorname{cosec}^2\theta$
☐ D. $1 - \cot^2\theta$

Q.32 Three pipes A, B and C can fill an empty tank in 30 minutes, 40 minutes and 45 minutes, respectively. All three pipes are opened at the same time to disperse liquid chemicals X, Y and Z from pipes A, B and C respectively. After 5 minutes, what is the proportion of chemical Y in the tank?

- Ans ☐ A. $\frac{1}{8}$
☒ B. $\frac{9}{29}$
☐ C. $\frac{1}{6}$
☐ D. $\frac{29}{72}$

Q.33 The number of prime numbers between 445 and 456 is:

- Ans ☐ A. 0
☐ B. 2
☒ C. 1
☐ D. 3

Q.34 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 27.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 5 : 6, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans ☐ A. 3°
☐ B. 8°
☐ C. 2°
☒ D. 5°

Q.35 Two trains of lengths 346 m and 319 m are running with speeds of 67 km/h and 59 km/h, respectively, towards each other on parallel tracks. In how many seconds will they cross each other?

- Ans ☐ A. 12
☐ B. 18
☒ C. 19
☐ D. 15

Q.36 If 20% of 50% of $\frac{5}{9}$ of a number is 364, find the number.

- Ans
- ☐ A. 6540
 - ☐ B. 5670
 - ☐ C. 6200
 - ☒ D. 6552

Q.37 A man buys apples at ₹15 per apple and plans to sell them at a 13% profit. How many apples must he sell to make a total profit of ₹195?

- Ans
- ☒ A. 100
 - ☐ B. 110
 - ☐ C. 195
 - ☐ D. 95

Q.38 Find a number such that when 8 is subtracted from 4 times the number, the result is 6 more than thrice the number.

- Ans
- ☐ A. 9
 - ☐ B. 18
 - ☒ C. 14
 - ☐ D. 23

Q.39 An item with a marked price of ₹889 was sold for ₹278. What was the percentage of discount given? (Round off the answer to two decimal places.)

- Ans
- ☐ A. 70.88%
 - ☐ B. 67.92%
 - ☒ C. 68.73%
 - ☐ D. 67.57%

Q.40 A grocer marked his goods at 75% above their cost price and sold them at a discount of X%. If he gained 33% profit, then find the value of X.

- Ans
- ☐ A. 23
 - ☒ B. 24
 - ☐ C. 27
 - ☐ D. 26

Q.41 If $\frac{x^2 - 1}{x} = 4$, then find the value of $\frac{x^6 - 1}{x^3}$.

- Ans
- ☒ A. 76
 - ☐ B. 80
 - ☐ C. 82
 - ☐ D. 66

Q.42 The area of a rectangle is 100.64 cm^2 . If its breadth is 7.4 cm, find the perimeter of the rectangle.

- Ans
- ☐ A. 46 cm
 - ☐ B. 38.25 cm
 - ☐ C. 50.32 cm
 - ☒ D. 42 cm

Q.43 Due to water crisis, 28% of the initial population left the village and 50% of the remaining population left the village for pursuing jobs. If presently, 4450 people inhabit the village, what is the ratio of the initial population to the present population?

- Ans**
- ☐ A. 106:83
 - ☐ B. 107:87
 - ☒ C. 25:9
 - ☐ D. 25:11

Q.44 A solid cylinder of base diameter 4 cm is taken to cast a hollow cylinder of external diameter 12 cm, thickness 0.5 cm and height 15 cm. Find the height (in cm) of the solid cylinder (rounded off to 2 decimal places).

- Ans**
- ☒ A. 21.56
 - ☐ B. 22.54
 - ☐ C. 20.85
 - ☐ D. 18.65

Q.45 A train, 150 m long, takes 30 seconds to cross a platform 350 m long. Find the speed (in km/hr) of the train.

- Ans**
- ☐ A. 50
 - ☒ B. 60
 - ☐ C. 45
 - ☐ D. 40

Q.46 Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Manjit borrowed an amount of ₹5,00,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Manjit after 2 years.

- Ans**
- ☐ A. 36,000
 - ☐ B. 36,500
 - ☐ C. 34,500
 - ☒ D. 35,000

Q.47 Find the mean proportional of 17 and 272?

- Ans**
- ☐ A. 67
 - ☐ B. 71
 - ☒ C. 68
 - ☐ D. 70

Q.48 A sum of ₹33,600 is divided among X, Y and Z. X gets ₹4,000 more than Y and Z gets ₹8,000 more than Y. Find the ratio of the amount received by X, Y and Z.

- Ans**
- ☐ A. 14 : 11 : 20
 - ☐ B. 13 : 11 : 18
 - ☒ C. 14 : 9 : 19
 - ☐ D. 14 : 10 : 17

Q.49 A father's current age is three times his son's age. Together, their ages add up to 48 years. How old is the son?

- Ans**
- ☐ A. 10 years
 - ☐ B. 16 years
 - ☐ C. 14 years
 - ☒ D. 12 years

Q.50 $\frac{1}{30}$ is what percentage of $\frac{2}{40}$? (Round off the answer to two decimal

- Ans ☒ A. 66.67%
☒ B. 81.67%
☒ C. 133.33%
☒ D. 76.67%

Section : General Intelligence and Reasoning

Q.51 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$231 \div 3 - 721 \times 7 + 24 = ?$$

- Ans ☒ A. 772
☒ B. 771
☒ C. 774
☒ D. 773

Q.52 What should come in place of the question mark (?) in the given series?

50 44 40 34 ? 24

- Ans ☒ A. 38
☒ B. 28
☒ C. 36
☒ D. 30

Q.53 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PRT 28 VXZ 21 BDF 14 HJL 7 ?

- Ans ☒ A. NOQ -1
☒ B. NRW -1
☒ C. NQQ 0
☒ D. NPR 0

Q.54 EL 14 is related to BH 16 in a certain way. In the same way, PW 22 is related to MS 24. To which of the following is NU 27 related, following the same logic?

- Ans ☒ A. JQ 28
☒ B. KS 28
☒ C. KQ 29
☒ D. JS 29

Q.55 EKOV is related to WCGN in a certain way based on the English alphabetical order. In the same way, YEIP is related to QWAH. To which of the following options is AGKR related, following the same logic?

- Ans ☒ A. SYCJ
☒ B. SCJU
☒ C. SCDE
☒ D. SCKP

Q.56 In a row of 48 people facing north, Pari is 13th from the right end. If Vivek sits 16th to the left of Pari, what is Vivek's position from the left end of the line?

- Ans**
- ☒ A. 20th
 - ☐ B. 19th
 - ☐ C. 18th
 - ☐ D. 21st

Q.57 What should come in place of the question mark (?) in the given series?

12 22 33 45 ? 72

- Ans**
- ☐ A. 62
 - ☒ B. 58
 - ☐ C. 56
 - ☐ D. 60

Q.58 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$42 \times 6 - 12 + 3 \div 5 = ?$$

- Ans**
- ☐ A. 8
 - ☐ B. 9
 - ☐ C. 7
 - ☒ D. 4

Q.59 In a certain code language,

A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
A % B means 'A is the father of B' and
A # B means 'A is the daughter of B'.

How is C related to E if 'C - Q x Y % R - E'?

- Ans**
- ☐ A. Sister's husband
 - ☒ B. Mother's brother
 - ☐ C. Sister's son
 - ☐ D. Wife's brother

Q.60 Five people, V, W, X, Y and Z, are sitting in a row, facing towards the north. W is sitting at the extreme left end of the row. There are only two people sitting between Z and W. V is an immediate neighbour of Z. X is an immediate neighbour of V. Exactly how many people are sitting between W and Y?

- Ans**
- ☒ A. Three
 - ☐ B. Two
 - ☐ C. None
 - ☐ D. One

Q.61 Seven friends, D, E, F, U, V, W and X, are sitting in a straight line, facing north. Only three people sit between U and F. V sits to the immediate left of F. No one sits to the right of X. Only two people sit between X and V. D sits to the immediate right of E. How many people sit between W and D?

- Ans** ☒ A. Two
☐ B. One
☐ C. Three
☐ D. Four

Q.62 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?

$$7\ B\ 4\ D\ 18\ A\ 9\ C\ 16\ C\ 14 = ?$$

- Ans** ☒ A. 56
☐ B. 58
☐ C. 60
☐ D. 55

Q.63 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 4 3 3 1 4 7 2 9 4 8 2 7 4 4 2 2 5 2 6 9 9 3 2 7 9 8 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 5
☐ B. 3
☒ C. 4
☐ D. 6

Q.64 MNPM is related to NOQN in a certain way based on the English alphabetical order. In the same way, UVXU is related to VWYV. To which of the following is JKMJ related, following the same logic?

- Ans** ☒ A. KLNK
☐ B. KKMK
☐ C. KLMK
☐ D. KMMQ

Q.65 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HNE MRH RVK WZN ?

- Ans** ☒ A. BDQ
☐ B. ACP
☐ C. CER
☐ D. BCR

Q.66 Town D is to the west of Town A. Town C is to the south of Town A. Town B is to the north of Town E. Town E is to the west of Town D. What is the position of Town B with respect to Town C?

- Ans** ☐ A. North
☒ B. North-west
☐ C. South-west
☐ D. East

Q.67 In a certain code language, 'LEGS' is coded as '5483' and 'ALES' is coded as '2348'. What is the code for 'A' in the given code language?

- Ans**
- ☐ A. 8
 - ☐ B. 4
 - ☒ C. 2
 - ☐ D. 3

Q.68 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. LN - GI
 - ☐ B. SU - NP
 - ☐ C. OQ - JL
 - ☒ D. PR - KN

Q.69 Piku, Aman, Krishna, Deepa, and Shruti are sitting at a circular table facing the centre. Shruti and Deepa are immediate neighbours. Piku is an immediate neighbour of both Deepa and Krishna. Who are the immediate neighbours of Aman?

- Ans**
- ☒ A. Shruti and Krishna
 - ☐ B. Krishna and Deepa
 - ☐ C. Shruti and Deepa
 - ☐ D. Piku and Shruti

Q.70 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 conclusion(s) logically follow(s) from the given statements.

Statements:

All hats are trousers.

All trousers are pants.

No pant is a coat.

Conclusions:

(I): No hat is a coat.

(II): No trouser is a coat.

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

Q.71 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 letter-cluster pair 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. AB-EF
 - ☒ B. XY-AE
 - ☐ C. NO-RS
 - ☐ D. JK-NO

Q.72 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 6 3 9 8 9 9 8 1 3 3 7 9 9 9 4 1 4 1 1 7 1 8 8 8 7 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- ☐ A. 6
 - ☒ B. 7
 - ☐ C. 8
 - ☐ D. 9

Q.73 Z ranked 21st from the bottom and 63rd from the top in his class. How many students are there in his class?

- Ans
- ☐ A. 82
 - ☐ B. 81
 - ☐ C. 80
 - ☒ D. 83

Q.74 In a certain code language, 'HEL'S' is coded as '4695' and 'ALES' is coded as '5749'. What is the code for 'A' in the given code language?

- Ans
- ☐ A. 5
 - ☐ B. 9
 - ☒ C. 7
 - ☐ D. 4

Q.75 Hemant starts from point A and drives 62 km towards the east. He then takes a left turn, drives 40 km, turns left and drives 78 km. He then takes a left turn and drives 71 km. He takes a final left turn, drives 16 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. 33 km to the south
 - ☐ B. 30 km to the north
 - ☐ C. 32 km to the south
 - ☒ D. 31 km to the north

Q.76 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 5 3 \$ 8 % © 1 % 8 * 5 5 4 # £ & 5 5 £ € 5 € (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans
- ☐ A. 6
 - ☐ B. 5
 - ☒ C. 4
 - ☐ D. 3

Q.77 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 bells are pots.
All pots are machines.

Conclusions:

(I): Some bells are machines.
(II): All machines are pots.

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

Q.78 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(28, 56, 45)
(41, 82, 71)

- Ans** ☒ A. (77, 154, 142)
☒ B. (89, 178, 167)
☒ C. (54, 108, 99)
☒ D. (97, 194, 182)

Q.79 What should come in place of the question mark (?) in the given series?

2, 6, 12, 20, 30, ?

- Ans** ☒ A. 38
☒ B. 42
☒ C. 44
☒ D. 40

Q.80 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 3 8 2 3 7 6 4 2 6 9 2 7 2 3 6 1 4 2 3 5 5 7 9 7 2 6 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☒ A. 3
☒ B. 2
☒ C. 4
☒ D. 1

Q.81 At COP30 (November 2025), the “Baku–Belem Roadmap” aimed to scale climate finance to what annual level by 2035?

- Ans**
- ✓ A. US\$1.3 trillion
 - ✗ B. US\$10 trillion
 - ✗ C. US\$5.2 trillion
 - ✗ D. US\$2.5 trillion

Q.82 In July 2024, which Indian scientist was awarded with the Vikram Sarabhai Medal that honours outstanding space science research in developing countries?

- Ans**
- ✓ A. Anil Bhardwaj
 - ✗ B. Prahlad Chandra Agrawal
 - ✗ C. Govindarajan Padmanabhan
 - ✗ D. Umesh Varshney

Q.83 The Income Tax Act, 2025, introduced a new concept to describe assets such as cryptocurrencies and tokenized assets. What is this new concept called?

- Ans**
- ✗ A. Crypto Tokens
 - ✗ B. E-Assets
 - ✓ C. Virtual Digital Assets
 - ✗ D. Digital Currencies

Q.84 Who presented India's Third Voluntary National Review (VNR) Report on Sustainable Development Goals (SDGs) in July 2025?

- Ans**
- ✓ A. Vice Chairman, NITI Aayog
 - ✗ B. External Affairs Minister
 - ✗ C. Finance Minister
 - ✗ D. Prime Minister of India

Q.85 In October 2024, which minister from Andhra Pradesh met and invited Microsoft CEO Satya Nadella to Andhra Pradesh and sought Microsoft's cooperation in improving e-governance and establishing IT hubs in the state?

- Ans**
- ✓ A. Nara Lokesh
 - ✗ B. Vangalapudi Anitha
 - ✗ C. N Chandrababu Naidu
 - ✗ D. Kolusu Parthasarathy

Q.86 Which company signed an MoU with the Aeronautical Development Agency (ADA) during Aero India 2025, for the development of Flight Control Actuators for the AMCA programme?

- Ans**
- ✗ A. Hindustan Aeronautics Limited
 - ✗ B. Bharat Dynamics Limited
 - ✓ C. Godrej & Boyce Manufacturing Company Limited
 - ✗ D. Tata Advanced Systems

Q.87 The BRICS Summit on 6–7 July 2025 was held in:

- Ans**
- ✗ A. Shanghai, China
 - ✗ B. Johannesburg, South Africa
 - ✗ C. New Delhi, India
 - ✓ D. Rio de Janeiro, Brazil

Q.88 How much funding was allocated to the Khelo India programme for the financial year 2025-26?

- Ans**
- ☐ A. ₹10,000 crore
 - ☐ B. ₹500 crore
 - ☒ C. ₹1,000 crore
 - ☐ D. ₹100 crore

Q.89 Which of the following dignitaries inaugurated Asia's largest telecom, media and technology event, the 9th edition of the India Mobile Congress (IMC) 2025, in New Delhi?

- Ans**
- ☐ A. Droupadi Murmu
 - ☒ B. Narendra Modi
 - ☐ C. Ashwini Vaishnaw
 - ☐ D. CP Radhakrishnan

Q.90 Manu Bhaker, who received the Major Dhyan Chand Khel Ratna Award in 2025, is primarily known for her achievements in which sport?

- Ans**
- ☒ A. Shooting
 - ☐ B. Para-Athletics
 - ☐ C. Hockey
 - ☐ D. Badminton

Q.91 According to the Periodic Labour Force Survey (PLFS), May 2025, what was India's overall unemployment rate reported by the Ministry of Statistics and Programme Implementation (MOSPI)?

- Ans**
- ☐ A. 8.5%
 - ☒ B. 5.6%
 - ☐ C. 5.1%
 - ☐ D. 6.6%

Q.92 Which Gujarati children's poet won the Bal Sahitya Puraskar for Tinchak in June 2025?

- Ans**
- ☐ A. Nandini Purandare
 - ☒ B. Kirtida Brahmhatt
 - ☐ C. Parvati Tirkey
 - ☐ D. Akhil P Dharmajan

Q.93 Which of the following banks was fined ₹29.6 lakh by the Reserve Bank of India (RBI) for violating regulations in June 2025?

- Ans**
- ☐ A. HDFC Bank
 - ☐ B. Canara Bank
 - ☒ C. Fino Payments Bank
 - ☐ D. City Union Bank

Q.94 According to the National Commission for Women data released in January 2025, which Indian state reported the highest number of complaints of domestic violence in 2024?

- Ans**
- ☒ A. Uttar Pradesh
 - ☐ B. Rajasthan
 - ☐ C. Maharashtra
 - ☐ D. Bihar

Q.95 Who was named the 2025 Laureus World Sportsman of the Year for his pole-vaulting record-breaking performances?

- Ans**
- ☒ A. Armand Duplantis
 - ☐ B. Leon Marchand
 - ☐ C. Max Verstappen
 - ☐ D. Carlos Alcaraz

Q.96 Which All-India Financial Institution coordinates financing of Micro, Small and Medium Enterprises (MSME) according to the Dept of Financial Services Annual Report 2024-25 published in March 2025?

- Ans**
- ☐ A. Export -Import Bank of India (Exim Bank)
 - ☐ B. National Bank for Agriculture and Rural Development (NABARD)
 - ☒ C. Small Industrial Development Bank of India (SIDBI)
 - ☐ D. National Bank for Financing Infrastructure and Development (NaBFID)

Q.97 Which of the following organisations formed a dedicated task force to support displaced female Afghan athletes or players?

- Ans**
- ☐ A. International Olympic Committee
 - ☐ B. International Federation of Association Football
 - ☐ C. International Hockey Federation
 - ☒ D. International Cricket Council

Q.98 On which date was the 94th martyrdom day of Chandra Shekhar Azad observed in 2025?

- Ans**
- ☐ A. 15th August
 - ☒ B. 27th February
 - ☐ C. 26th February
 - ☐ D. 27th January

Q.99 Which cyclonic storm in November 2025 caused widespread flooding and prompted disaster relief responses in South India and Sri Lanka?

- Ans**
- ☐ A. Cyclone Amphan
 - ☒ B. Cyclone Ditwah
 - ☐ C. Cyclone Tauktae
 - ☐ D. Cyclone Yaas

Q.100 Rajasthan's first Namu Biodiversity Park, inaugurated in October 2025, is located in which district?

- Ans**
- ☐ A. Jaipur District
 - ☐ B. Udaipur District
 - ☐ C. Kota District
 - ☒ D. Alwar District



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Thondamuthur
Test Date	03/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What do members of a homologous series differ from each other by?

- Ans**
- ☐ A. One oxygen atom
 - ☐ B. One carbon atom
 - ☒ C. One carbon atom and two hydrogen atoms
 - ☐ D. Two hydrogen atoms

Q.2 Which characteristic of parallel circuits makes them advantageous over series circuits for connecting multiple electrical gadgets in a house?

- Ans**
- ☐ A. If one component fails, the entire circuit is broken.
 - ☐ B. The potential difference across each gadget is unique.
 - ☒ C. The current is divided among the electrical gadgets, allowing them to operate independently.
 - ☐ D. The total resistance is increased, protecting appliances.

Q.3 Which of the following increases the rate of evaporation?

- Ans**
- ☐ A. High humidity and absence of wind movement
 - ☐ B. Dense atmosphere and generally cool weather
 - ☒ C. High temperature and increased wind speed
 - ☐ D. Low surface area and cold air temperature

Q.4 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Vasectomy leads to loss of sexual drive in males.

Reason (R): It involves removal of the testes.

- Ans**
- ☒ A. Both A and R are false
 - ☐ B. Both A and R are true, and R is the correct explanation of A
 - ☐ C. A is false, but R is true
 - ☐ D. Both A and R are true, but R is not the correct explanation of A

Q.5 Why is variation important in a population of organisms?

- Ans**
- ☐ A. It causes extinction of all organisms.
 - ☒ B. It helps some individuals survive if environmental conditions change.
 - ☐ C. It prevents reproduction.
 - ☐ D. It makes organisms identical.

Q.6 In multicellular organisms, why can't simple diffusion alone meet the requirements of all cells?

- Ans**
- ☐ A. Because all cells are directly exposed to air
 - ☒ B. Because body size and complexity increase
 - ☐ C. Because diffusion requires light
 - ☐ D. Because diffusion only transports oxygen

Q.7 Read the given statements carefully and select the correct option.

Statement 1: Fleming's left-hand rule is used to find the direction of force (motion) on a current-carrying conductor placed in a magnetic field.

Statement 2: The force on the conductor acts perpendicular to both the current and the magnetic field.

- Ans**
- ☐ A. Both statements 1 and 2 are incorrect.
 - ☒ B. Both statements 1 and 2 are correct.
 - ☐ C. Statement 1 is incorrect, but 2 is correct.
 - ☐ D. Statement 1 is correct, but 2 is incorrect.

Q.8 For a convex mirror, where is the centre of curvature located?

- Ans**
- ☐ A. At the mirror's surface
 - ☐ B. At the focus
 - ☒ C. Behind the mirror
 - ☐ D. In front of the mirror

Q.9 What will be the acceleration due to gravity on a planet whose mass and radius are double that of the Earth? (Take the acceleration due to gravity on Earth as g .)

- Ans**
- ☐ A. $g/4$
 - ☒ B. $g/2$
 - ☐ C. $2g$
 - ☐ D. g

Q.10 Which of the following is an example of negative work?

- Ans**
- ☐ A. Lifting a bag upwards
 - ☐ B. Pushing a moving car forward.
 - ☒ C. Friction acting on a moving object
 - ☐ D. Gravity acting on a falling ball

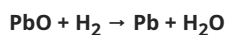
Q.11 In the absence of any external force, a moving body will ____.

- Ans**
- ☐ A. Stop due to its inertia
 - ☒ B. Maintain a constant velocity in straight line
 - ☐ C. Continue to move with constant acceleration
 - ☐ D. Slow down and change its path

Q.12 Which of the following is NOT the characteristic of epithelial tissue?

- Ans**
- ☐ A. Cells have no intercellular spaces.
 - ☒ B. Cells are loosely arranged.
 - ☐ C. Skin, kidney tubules are made up of epithelial tissue.
 - ☐ D. Cells form a continuous sheet.

Q.13 In the given reaction, which of the following reactants has undergone oxidation?



- Ans**
- ☐ A. H₂O
 - ☐ B. Pb
 - ☒ C. H₂
 - ☐ D. PbO

Q.14 Which of the following factors increases the rate of evaporation?

- Ans**
- ☐ A. Increase in humidity
 - ☐ B. Decrease in wind speed
 - ☒ C. Increase in surface area
 - ☐ D. Decrease in temperature

Q.15 Which part of the flower protects the ovule and later transforms into the fruit?

- Ans**
- ☐ A. Sepal
 - ☐ B. Petal
 - ☐ C. Stigma
 - ☒ D. Ovary

Q.16 Match the following pH change and its effect.

Column A (Change)	Column B (Effect)
A. pH ↓ from 7 to 4	1. Increase in acidity
B. pH ↑ from 7 to 10	2. Acid rain forms
C. pH = 7	3. Neutral solution
D. pH < 5.6 in rain	4. Increase in basicity

- Ans**
- ☐ A. A-4; B-3; C-1; D-2
 - ☒ B. A-1; B-4; C-3; D-2
 - ☐ C. A-2; B-1; C-4; D-3
 - ☐ D. A-3; B-4; C-2; D-1

Q.17 Which element is necessary for the thyroid gland to secrete the thyroxine hormone?

- Ans**
- ☐ A. Fluorine
 - ☐ B. Bromine
 - ☒ C. Iodine
 - ☐ D. Chlorine

Q.18 To accurately locate the image of an extended object formed by a spherical mirror using a ray diagram, what is the minimum number of reflected rays that must intersect (or appear to intersect)?

- Ans**
- ☐ A. One ray
 - ☒ B. Two rays
 - ☐ C. Four rays
 - ☐ D. Three rays

Q.19 The atomic number of an element is equal to which of the following?

- Ans**
- ☐ A. Number of neutrons + number of protons
 - ☐ B. Number of electrons
 - ☐ C. Number of neutrons
 - ☒ D. Number of protons

Q.20 Which of the following compounds would have the highest pH when dissolved in water?

- Ans**
- ☒ A. Sodium hydroxide
 - ☐ B. Hydrogen chloride gas
 - ☐ C. Vinegar solution
 - ☐ D. Lemon juice

Q.21 Read the given Assertion (A) and Reason (R) carefully and select the correct option.

(A): Sound waves are transverse waves.

(R): Sound waves require a material medium for their propagation.

- Ans**
- ☐ A. Both assertion and reason are false.
 - ☒ B. Assertion is false and reason is true.
 - ☐ C. Assertion is true but reason is false.
 - ☐ D. Both assertion and reason are true and reason is the correct explanation of assertion.

Q.22 Which of the following mixtures is a suspension?

- Ans**
- ☐ A. Salt water
 - ☒ B. Muddy water
 - ☐ C. Milk
 - ☐ D. Vinegar

Q.23 A person shows high blood sugar levels even after eating small amounts of food. What may be the cause?

- Ans**
- ☐ A. Excess estrogen
 - ☐ B. Excess growth hormone
 - ☒ C. Lack of insulin
 - ☐ D. Low thyroxine

Q.24 Which of the following is NOT a function of the cell wall?

- Ans**
- ☐ A. Helping in cell-to-cell interaction
 - ☒ B. Synthesising proteins for the cell
 - ☐ C. Providing shape to the cell
 - ☐ D. Protecting the cell from mechanical damage

Q.25 If the velocity-time graph of an object is curved, it indicates _____.

- Ans
- ☐ A. Constant speed
 - ☐ B. Uniform motion
 - ☐ C. Zero velocity
 - ☒ D. Non-uniform acceleration

Section : Mathematics

Q.26 A cylindrical water tank with an internal radius of 70 cm and a height of 1.5 m is completely filled with water. Water is being pumped out at a rate of 5 litres per second. How long will it take for the water level to drop by 50 cm?

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

- Ans
- ☐ A. 176 seconds
 - ☐ B. 168 seconds
 - ☒ C. 154 seconds
 - ☐ D. 142 seconds

Q.27 The amount on a sum of ₹2,800 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans
- ☐ A. ₹3,279
 - ☐ B. ₹4,341
 - ☐ C. ₹4,968
 - ☒ D. ₹4,032

Q.28 $\frac{1}{30}$ is what percentage of $\frac{2}{50}$? (Round off the answer to two decimal



- Ans
- ☒ A. 83.33%
 - ☐ B. 98.33%
 - ☐ C. 166.67%
 - ☐ D. 93.33%

Q.29 A shopkeeper offers the following four schemes.

- A) Two successive discounts of 18% and 10%
- B) Buy 2, get 8
- C) Discount of 24%
- D) Two successive discounts of 42% and 45%

Which scheme is best for customers?

- Ans
- ☐ A. A
 - ☒ B. B
 - ☐ C. D
 - ☐ D. C

Q.30 In an election, there are three candidates: A, B, and C. Candidate A gets 40% of the total valid votes, Candidate B gets 30%, and Candidate C gets the remaining votes. If 12% of the total votes were declared invalid and the total number of voters was 25,000, find the number of votes received by Candidate C.

- Ans
- ☐ A. 5500
 - ☐ B. 8800
 - ☐ C. 4400
 - ☒ D. 6600

Q.31 Simplify $\frac{(5.9)^3 + (0.1)^3}{(5.9)^2 + (0.1)^2 - 5.9 \times 0.1}$.

- Ans ☒ A. 6
☒ B. 60
☒ C. 6000
☒ D. 600

Q.32 P and Q together can fill a cistern with water in 9 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

- Ans ☒ A. 27
☒ B. 54
☒ C. 55
☒ D. 28

Q.33 If the radius of a sphere is 6 cm, then its surface area is:

- Ans ☒ A. $72 \pi \text{ cm}^2$
☒ B. $144 \pi \text{ cm}^2$
☒ C. $36 \pi \text{ cm}^2$
☒ D. $288 \pi \text{ cm}^2$

Q.34 Amit purchases an old scooter for ₹5,600. He spends ₹1,400 on its repairs and sells it to Sumit for ₹7,700. Find the profit percentage of Amit.

- Ans ☒ A. 9%
☒ B. 14%
☒ C. 10%
☒ D. 12%

Q.35 The sides of a triangle are 80 cm, 44 cm, and 52 cm. What is the length of its altitude corresponding to the side with a length of 44 cm?

- Ans ☒ A. 49 cm
☒ B. 94 cm
☒ C. 48 cm
☒ D. 61 cm

Q.36 Two trains, each 230 meters long, are running parallel to each other in the same direction. The speed of the faster train is 102 km/h and the speed of the slower train is 66 km/h. How long will it take for the faster train to completely pass the slower train?

- Ans ☒ A. 42 seconds
☒ B. 46 seconds
☒ C. 36 seconds
☒ D. 56 seconds

Q.37 Evaluate: $\frac{\sec 33^\circ}{\operatorname{cosec} 57^\circ} + \sqrt{3} \cot 13^\circ \cot 21^\circ \cot 60^\circ \cot 69^\circ \cot 77^\circ - 2(\sin^2 4$

- Ans ☒ A. 2
☒ B. 0
☒ C. 5
☒ D. 1

Q.38 The average age of 31 students of a class is 35 years. If the age of the teacher is also included, the average age of the whole group becomes 36 years. The age (in years) of the teacher is:

- Ans** ☒ A. 67
☐ B. 69
☐ C. 68
☐ D. 72

Q.39 104 men have provisions for 12 weeks. They are joined by 52 men. How long (in weeks) will the provisions last?

- Ans** ☒ A. 8
☐ B. 10
☐ C. 12
☐ D. 6

Q.40 Two trains started from station A to B with speeds of 68 km/h and 82 km/h on parallel lines. Find the distance (in km) between the two trains after 2.5 hours.

- Ans** ☐ A. 25
☐ B. 15
☒ C. 35
☐ D. 40

Q.41 A and B can complete a job in 18 days and 24 days, respectively. They worked together for 5 days, and then A left the job. In how many days will B finish the remaining work?

- Ans** ☒ A. $12\frac{1}{3}$ days
☐ B. $10\frac{2}{3}$ days
☐ C. $14\frac{1}{3}$ days
☐ D. $15\frac{2}{3}$ days

Q.42 The marked price of a toy truck is ₹3,050, and its selling price is ₹2,220. Find the discount percentage. (Round off the answer to two decimal places.)

- Ans** ☐ A. 26.88%
☒ B. 27.21%
☐ C. 29.73%
☐ D. 25.98%

Q.43 If the mean proportional of P and 169 is 104, then find the value of P.

- Ans** ☒ A. 64
☐ B. 66
☐ C. 67
☐ D. 65

Q.44 Simplify: $[(3x + 4y)^2 - (3x - 4y)^2] \div (24xy)$

- Ans** ☐ A. -1
☒ B. 2
☐ C. -2
☐ D. 1

Q.45 The present age of Arman is four times the present age of his cousin, Riya. In 8 years, Arman's age will be three times Riya's age at that time. What is Arman's current age?

- Ans**
- ☐ A. 48 years
 - ☐ B. 56 years
 - ☐ C. 72 years
 - ☒ D. 64 years

Q.46 A cricketer has an average of 54 runs for 9 innings. In the 10th inning, he scores 191 runs. By how many runs did his average increase? (Round off the answer to the nearest whole number.)

- Ans**
- ☐ A. 5
 - ☐ B. 16
 - ☐ C. 17
 - ☒ D. 14

Q.47 If 20% of 50% of $\frac{5}{9}$ of a number is 409, find the number.

- Ans**
- ☐ A. 7110
 - ☐ B. 7700
 - ☐ C. 10140
 - ☒ D. 7362

Q.48 Solve : $3 \times (10 \times (2^2)) \div 20 + 13 - 3$

- Ans**
- ☐ A. 13
 - ☒ B. 16
 - ☐ C. 17
 - ☐ D. 25

Q.49 The cost of 3 apples and 5 bananas is ₹75. The cost of 4 apples and 2 bananas is ₹86. Find the cost of a banana.

- Ans**
- ☐ A. ₹10
 - ☒ B. ₹3
 - ☐ C. ₹20
 - ☐ D. ₹5

Q.50 The sum of three numbers is 840. If the ratio of the second number to the first number is 3 : 13 and that of the third number to the second number is 8 : 12, then find the second number.

- Ans**
- ☒ A. 140
 - ☐ B. 139
 - ☐ C. 142
 - ☐ D. 141

Section : General Intelligence and Reasoning

Q.51 Seven boxes A, B, C, D, P, Q and R are kept one over the other but not necessarily in the same order. No box is kept above Q. Only three boxes are kept between Q and D. Only one box is kept between C and B. B is kept immediately above D. Only four boxes are kept between C and R. A is kept at some place above P. Which box is kept second below A?

- Ans**
- ☒ A. P
 - ☒ B. D
 - ☒ C. R
 - ☒ D. B

Q.52 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 8 1 7 8 7 6 7 5 2 5 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☒ A. Two
 - ☒ B. Four
 - ☒ C. One
 - ☒ D. Three

Q.53 In a certain code language, QOEX is coded as 50 and WPIU is coded as 42. What is the code for SANR in that language?

- Ans**
- ☒ A. 59
 - ☒ B. 67
 - ☒ C. 55
 - ☒ D. 62

Q.54 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 letter-cluster pair 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. JM-HL
 - ☒ B. DG-BF
 - ☒ C. HK-FI
 - ☒ D. FI-DH

Q.55 What should come in place of the question mark (?) in the given series?

PPR NQO LRL ? HTF

- Ans**
- ☒ A. GHT
 - ☒ B. NIJ
 - ☒ C. IHY
 - ☒ D. JSI

Q.56 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

STW-ZAD
PQT-WXA

- Ans**
- ☒ A. TTV-ZAD
 - ☒ B. TUX-ABE
 - ☒ C. TTV-ABE
 - ☒ D. TUX-ZBD

Q.57 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7435681, then what will be the sum of the digits that are third from the left and third from the right?

- Ans** ☒ A. 10
☒ B. 8
☒ C. 14
☒ D. 6

Q.58 Six people, A, B, C, X, Y and Z, are sitting around a circular table, facing towards the centre of the table.

Z is sitting to the immediate left of A.
B is sitting second to the right of Z.
X is an immediate neighbour of both Y and C.
Y is not an immediate neighbour of Z.
What is the position of B with respect to Y?

- Ans** ☒ A. Second to the right
☒ B. Second to the left
☒ C. Immediate right
☒ D. Immediate left

Q.59 This question is based on the five, three-digit numbers given below.

(Left) 426 125 357 489 627 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

- Ans** ☒ A. One
☒ B. Four
☒ C. Three
☒ D. Two

Q.60 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 balls are hens.
All vans are hens.

Conclusions:
(I) Some balls are vans.
(II) All hens are vans.

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

Q.61 Each of the digits in the number 24597831 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans** ☒ A. None
☐ B. One
☐ C. Two
☐ D. Three

Q.62 This question is based on the five, three-digit numbers given below.

(Left) 582 128 563 183 592 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if third digit of the highest number is added to the second digit of lowest number?

- Ans** ☐ A. 6
☒ B. 4
☐ C. 3
☐ D. 7

Q.63 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:

All torches are keys.

All keys are locks.

Some locks are batteries.

Conclusions:

(I): All torches are locks.

(II): Some batteries are torches.

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

Q.64 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YAC–GIK

QSU–YAC

- Ans** ☐ A. JKL–RTV
☒ B. JLN–RTV
☐ C. JLN–QTU
☐ D. JKL–QSU

Q.65 All 18 students in a class are standing in a row, facing north. Charan is 11th from the right end, while Prakash is 3rd from the left end. How many people stand between Charan and Prakash?

- Ans** ☐ A. 5
☐ B. 3
☒ C. 4
☐ D. 2

Q.66 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LKN 58 MLO 65 NMP 72 ONQ 79 ?

- Ans**
- ☒ A. PUA 85
 - ☒ B. PNQ 85
 - ☒ C. POR 86
 - ☒ D. PPQ 86

Q.67 In a certain code language, 'ride those horses' is coded as 'dq fn ta' and 'horses run wild' is coded as 'vy dq si'. How is 'horses' coded in the given language?

- Ans**
- ☒ A. fn
 - ☒ B. ta
 - ☒ C. dq
 - ☒ D. vy

Q.68 Mr. Pasto starts from point A and drives 11 km towards North. He then takes a left turn, drives 7 km, turns left and drives 13 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 2 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. 12 km to the west
 - ☒ B. 11 km to the south
 - ☒ C. 14 km to the west
 - ☒ D. 13 km to the south

Q.69 Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the row?

- Ans**
- ☒ A. A
 - ☒ B. C
 - ☒ C. D
 - ☒ D. B

Q.70 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 5 8 5 8 3 1 5 2 6 1 6 3 1 4 2 4 3 7 8 5 9 5 2 8 2 5 (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. 4
 - ☒ D. 2

Q.71 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

92 - 6 - 86

13 - 8 - 5

- Ans**
- ☐ A. 12 - 5 - 6
 - ☐ B. 30 - 12 - 24
 - ☐ C. 4 - 1 - 2
 - ☒ D. 50 - 20 - 30

Q.72 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'KxT-R+Z&V'?

- Ans**
- ☐ A. Mother
 - ☐ B. Brother's daughter
 - ☒ C. Brother's wife
 - ☐ D. Sister

Q.73 What should come in place of the question mark (?) in the given series?

2, 3, 5, 8, 12, 17, ?

- Ans**
- ☐ A. 24
 - ☐ B. 25
 - ☐ C. 26
 - ☒ D. 23

Q.74 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. VUW
 - ☐ B. YXZ
 - ☐ C. HGI
 - ☒ D. QPS

Q.75 What should come in place of ? in the given series?
17 7 -6 -22 -41 ?

- Ans**
- ☐ A. -61
 - ☒ B. -63
 - ☐ C. -64
 - ☐ D. -62

Q.76 What should come in place of the question mark (?) in the given series?

94 102 118 150 214 ?

- Ans**
- ☐ A. 344
 - ☐ B. 341
 - ☐ C. 343
 - ☒ D. 342

Q.77 Currently, the minute hand of a watch is pointing towards the north and the hour hand is pointing towards the east. After two and a half hours, which direction will the minute hand point towards?

- Ans**
- ☐ A. East
 - ☐ B. West
 - ☐ C. North
 - ☒ D. South

Q.78 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?

(90 Q 15) P 8 R 7 P 4 S (12 P 3) Q 2 = ?

- Ans**
- ☐ A. 20
 - ☐ B. 52
 - ☒ C. 38
 - ☐ D. 44

Q.79 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

PAST - PSTA - ASPT
QUAD - QADU - UAQD

- Ans**
- ☐ A. USER - UERS - SURE
 - ☒ B. IDEA - IEAD - DEIA
 - ☐ C. TIDE - ITDE - IDET
 - ☐ D. VAIN - VIAN - NIAV

Q.80 A, B, C, D, N, O and P are sitting in a straight line, facing the north.
Only two people sit to the left of N. Only three people sit between N and P. O sits second to the right of N. Only two people sit between O and D. C sits at some place to the right of B but at some place to the left of A.
How many people sit to the right of C?

- Ans**
- ☐ A. Two
 - ☐ B. One
 - ☐ C. Four
 - ☒ D. Three

Section : General Awareness and Current Affairs

Q.81 Which of the following states introduced the strengthening of the SHe-Box portal in May 2025?

- Ans**
- ☐ A. Punjab
 - ☐ B. Maharashtra
 - ☒ C. Uttar Pradesh
 - ☐ D. Tamil Nadu

Q.82 As part of Tripura's tech-driven disaster preparedness initiative launched in August 2025, how many automated weather stations and rain gauges are proposed to be installed?

- Ans**
- ☐ A. 14
 - ☐ B. 15
 - ☒ C. 26
 - ☐ D. 10

Q.83 What happens to a Prime Minister, Chief Minister, or Minister if bail is not granted within 30 days under the Constitution (130th Amendment) Bill 2025?

- Ans**
- ☒ A. Automatic removal
 - ☐ B. Parliamentary review
 - ☐ C. Temporary suspension
 - ☐ D. Legal appeal

Q.84 Which organisation announced plans to develop a new indicator for measuring extreme poverty in India in 2025?

- Ans**
- ☐ A. NITI Aayog
 - ☐ B. Ministry of Statistics
 - ☐ C. Reserve Bank of India
 - ☒ D. World Bank

Q.85 Where did Jeff Bezos and Lauren Sánchez hold their lavish wedding in June 2025?

- Ans**
- ☐ A. Dubrovnik, Croatia
 - ☐ B. Santorini, Greece
 - ☒ C. Venice, Italy
 - ☐ D. Cannes, France

Q.86 Which of the following introduced NACH 3.0 in July 2025, bringing faster and more secure bank transactions under the National Automated Clearing House (NACH) system?

- Ans**
- ☐ A. National Securities Depository Limited
 - ☒ B. National Payments Corporation of India
 - ☐ C. Reserve Bank of India
 - ☐ D. Life Insurance corporation

Q.87 Who won the Men's Ballon d'Or, 2025?

- Ans**
- ☐ A. Kylian Mbappe
 - ☐ B. Lionel Messi
 - ☒ C. Ousmane Dembele
 - ☐ D. Cristiano Ronaldo

Q.88 What were Suruchi Singh's final two shot scores that clinched gold at the 2025 International Shooting Sport Federation (ISSF) World Cup in Munich?

- Ans**
- ☐ A. 10.6 and 9.6
 - ☐ B. 10.0 and 9.0
 - ☐ C. 9.5 and 8.5
 - ☒ D. 10.5 and 9.5

Q.89 What was the name of the official mascot of the Khelo India Para Games 2025?

- Ans**
- ☐ A. Shakti
 - ☐ B. Sparky
 - ☐ C. Veer
 - ☒ D. Ujjwala

Q.90 According to the 2025 Sustainable Development Report, what is India's Spillover Score?

- Ans**
- ☐ A. 90.07
 - ☐ B. 86.95
 - ☒ C. 96.07
 - ☐ D. 99.95

Q.91 Which of the following major wildlife surveys did the Indian Prime Minister announce to be conducted in 2025?

- Ans**
- ☐ A. Great Indian Bustard Survey
 - ☒ B. 16th Asiatic Lion Population Estimation
 - ☐ C. Bengal Tiger Count
 - ☐ D. National Elephant Census

Q.92 Who won the men's javelin event at the Ostrava Golden Spike meet in June 2025 by becoming the only athlete to throw beyond 85 metres, with a mark of 85.29 m?

- Ans**
- ☐ A. Julian Weber
 - ☐ B. Jakub Vadlejch
 - ☐ C. Anderson Peters
 - ☒ D. Neeraj Chopra

Q.93 In the 2025 Global Hunger Index (GHI), where does India rank among the 123 countries assessed?

- Ans**
- ☐ A. 10th
 - ☐ B. 105th
 - ☐ C. 85th
 - ☒ D. 102nd

Q.94 What was the Supreme Court's decision on April 28, 2025, regarding a new petition on the Waqf (Amendment) Act?

- Ans**
- ☒ A. It declined to entertain the fresh plea.
 - ☐ B. It accepted the petition for immediate hearing.
 - ☐ C. It dismissed all pending cases.
 - ☐ D. It referred the plea to the High Court.

Q.95 Which organisation developed Delhi's first Centre of Excellence for Sports in Dwarka's Sector 8, inaugurated in May 2025?

- Ans**
- ☐ A. Sports Authority of India (SAI)
 - ☐ B. Delhi Metro Rail Corporation (DMRC)
 - ☒ C. Delhi Development Authority (DDA)
 - ☐ D. Indian Olympic Association (IOA)

Q.96 In June 2025, who was elected as the President of the International Institute of Administrative Sciences (IIAS) for the 2025–2028 term from India?

- Ans**
- ☒ A. V Srinivas
 - ☐ B. NV Subramanian
 - ☐ C. GC Murmu
 - ☐ D. KM Chandrasekhar

Q.97 Which apex agricultural research body is associated with the Indian Institute of Soil Science that organised World Soil Day celebrations in December 2025?

- Ans**
- ☒ A. Indian Council of Agricultural Research
 - ☐ B. Council of Scientific and Industrial Research
 - ☐ C. Central Soil Salinity Research Institute
 - ☐ D. National Horticulture Board

Q.98 Valueattics Reinsurance, India's first private reinsurer, which received the nod of the Insurance Regulatory and Development Authority of India (IRDAI) to commence reinsurance business in India in March 2025 is promoted by which of the following individuals/entities?

- Ans**
- ☒ A. Prem Watsa and Kamesh Goyal
 - ☐ B. Nandan Nilekani and SBI Life
 - ☐ C. Uday Kotak and LIC
 - ☐ D. Rakesh Jhunjhunwala and Axis Bank

Q.99 A total of ₹6,000 crore has been allocated for the 'PM - One Nation One Subscription' initiative. How many years cost does this amount cover?

- Ans**
- ☐ A. Five
 - ☐ B. Six
 - ☒ C. Three
 - ☐ D. Two

Q.100 What is significant about the CMS-03 satellite launch by Indian Space Research Organisation in November 2025?

- Ans**
- ☐ A. It is the first private payload launched from India.
 - ☐ B. It is India's first Mars mission satellite.
 - ☐ C. It is the first navigation satellite mission from India.
 - ☒ D. It is the heaviest communication satellite launched by India.



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Gajularega
Test Date	03/02/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is a major environmental disadvantage of big dams?

- Ans**
- ☒ A. Creation of recreational spaces
 - ☒ B. Submergence of forests
 - ☒ C. Water conservation
 - ☒ D. Increased biodiversity

Q.2 Through which of the following structures does urine go into the urinary bladder from kidneys?

- Ans**
- ☒ A. Artery
 - ☒ B. Ureters
 - ☒ C. Vein
 - ☒ D. Vena cava

Q.3 Which of the following methods of reproduction simply involves the splitting of the parent cell into two daughter cells in the bacteria?

- Ans**
- ☒ A. Binary fission
 - ☒ B. Spore formation
 - ☒ C. Fragmentation
 - ☒ D. Budding

Q.4 According to Rutherford's model of an atom, the radius of an atom in metre is about:

- Ans**
- ☒ A. 10^{-10}
 - ☒ B. 10^{15}
 - ☒ C. 10^{-5}
 - ☒ D. 10^{10}

Q.5 Which colour do silver articles attain when they get corroded and form a coating of silver sulphide?

- Ans**
- ☒ A. Reddish brown
 - ☒ B. White
 - ☒ C. Remains silver
 - ☒ D. Black

Q.6 A car slows down uniformly when brakes are applied, producing an acceleration of 8 m/s^2 opposite to its motion. If the car comes to rest in 2s, what distance does it cover before stopping?

- Ans**
- ☐ A. 8 m
 - ☐ B. 12 m
 - ☒ C. 16 m
 - ☐ D. 20 m

Q.7 Which of the following statements about ions is correct?

- Ans**
- ☐ A. A cation is a negatively charged species.
 - ☒ B. A group of atoms carrying a net charge is called a polyatomic ion.
 - ☐ C. Ions are formed only from non-metal atoms.
 - ☐ D. Sodium chloride consists of neutral sodium and chloride atoms.

Q.8 What effect does an unbalanced force have on a moving object?

- Ans**
- ☐ A. It keeps the object at rest.
 - ☒ B. It causes a change in speed or direction of motion.
 - ☐ C. It stops the object immediately.
 - ☐ D. It increases the weight of the object.

Q.9 Which of the following best explains why combination reactions are often exothermic?

- Ans**
- ☒ A. They release energy due to stable product formation.
 - ☐ B. They involve the breaking of bonds only.
 - ☐ C. They require light to proceed.
 - ☐ D. They involve formation of bonds, which absorb energy.

Q.10 Which of the following is a homologous series?

- Ans**
- ☐ A. Methane, Methanol, Methanoic acid
 - ☐ B. Ethene, Ethyne, Ethane
 - ☒ C. Methane, Ethane, Propane
 - ☐ D. Methane, Ethane, Ethene

Q.11 If the length of a conductor and area is halved, keeping material same, then its resistance will _____.

- Ans**
- ☐ A. Be doubled
 - ☒ B. Remain same
 - ☐ C. Become four times
 - ☐ D. Be halved

Q.12 Which of the statement(s) is/are NOT true about the phenomenon of scattering of light:

- (i) The amount of scattering light undergoes is independent of the size of particles of the medium through which light is passing.
- (ii) The amount of scattering is directly proportional to the wavelength of light.
- (iii) The colour of the sky appears blue as blue light undergoes more scattering as compared to red light.
- (iv) The colour of danger signal is red as red colour undergoes least amount of scattering when passing through fog.

- Ans**
- ☐ A. Both (iii) and (iv)
 - ☐ B. Both (i) and (iii)
 - ☒ C. Both (i) and (ii)
 - ☐ D. Both (ii) and (iii)

Q.13 Ethanoic acid is commonly known as acetic acid and has:

- Ans**
- ☐ A. A strong fruity smell in water
 - ☐ B. A basic pH and slippery feel
 - ☒ C. A sharp, sour smell and taste
 - ☐ D. No effect on litmus or metals

Q.14 Which of the following organelles is the first to divide during binary fission in Amoeba?

- Ans**
- ☐ A. Cell wall
 - ☐ B. Cytoplasm
 - ☒ C. Nucleus
 - ☐ D. Vacuole

Q.15 If a body of mass m is raised to a height h in a gravitational field of acceleration g , its potential energy depends on:

- Ans**
- ☐ A. h only
 - ☐ B. g only
 - ☐ C. m only
 - ☒ D. m , g and h

Q.16 What is the main purpose of cell division in multicellular organisms?

- Ans**
- ☐ A. Formation of vacuoles and maintenance of turgidity
 - ☒ B. Growth, repair, and replacement of damaged or old cells
 - ☐ C. Transport of substances through the cell membrane
 - ☐ D. Absorption of nutrients and release of wastes

Q.17 Which of the following statements best differentiates a mixture from a compound?

- Ans**
- ☐ A. A compound can be separated into its constituents by physical methods.
 - ☐ B. A compound shows the properties of its constituent elements.
 - ☒ C. A mixture retains the individual properties of its constituents.
 - ☐ D. A mixture always contains elements in a fixed ratio.

Q.18 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Monoculture plantations often fail to meet the diverse needs of forest-dependent villagers.

Reason (R): These plantations provide medicinal herbs, food and fuel for villagers.

- Ans**
- ☐ A. A is false, but R is true.
 - ☐ B. Both A and R are true, but R is not the correct explanation of A.
 - ☐ C. Both A and R are true, and R is the correct explanation of A.
 - ☒ D. A is true, but R is false.

Q.19 A body weighs 60 kg wt on the surface of the moon. What will be the mass and the weight, respectively, of the body on the surface of the Earth?

(Take the value of g on Earth as 10 m/s^2)

- Ans**
- ☐ A. 60 kg and 36 kg wt
 - ☐ B. 36 kg and 360 kg wt
 - ☐ C. 600 kg and 360 kg wt
 - ☒ D. 360 kg and 360 kg wt

Q.20 _____ is/are NOT selectively re-absorbed from the filtrate in the nephron.

- Ans
- ☐ A. Salts
 - ☐ B. Glucose
 - ☒ C. Urea
 - ☐ D. Amino acids

Q.21 Carbon has the unique ability to form bonds with other atoms of carbon, giving rise to large molecules. This property is called:

- Ans
- ☐ A. unification
 - ☐ B. conjugation
 - ☒ C. catenation
 - ☐ D. addition

Q.22 If the stigma of a flower is damaged, which process would most likely be affected?

- Ans
- ☒ A. Pollination and fertilisation
 - ☐ B. Fruit ripening
 - ☐ C. Seed dispersal
 - ☐ D. Formation of petals and sepals

Q.23 An object is placed beyond the centre of curvature (C) of a concave mirror. The image formed will be now:

- Ans
- ☒ A. Real, inverted, and diminished
 - ☐ B. Real, inverted, and magnified
 - ☐ C. Real, inverted, and same size
 - ☐ D. Virtual, erect, and magnified

Q.24 What is the equivalent of 1 kilowatt-hour (kWh) in joules?

- Ans
- ☐ A. 1 kWh = 360 joules
 - ☐ B. 1 kWh = 36×10^{-6} joules
 - ☒ C. 1 kWh = 3.6×10^6 joules
 - ☐ D. 1 kWh = 3.6×10^3 joules

Q.25 The main purpose of designing a hall with curved walls and ceilings is _____.

- Ans
- ☐ A. to make the hall look beautiful
 - ☐ B. to reduce the speed of sound
 - ☒ C. to ensure uniform sound distribution
 - ☐ D. to make the sound louder only near the stage

Section : Mathematics

Q.26 In a quadrilateral ABCD, $\angle A = 62^\circ$ and $\angle B = 19^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

- Ans
- ☐ A. 28.5°
 - ☒ B. 40.5°
 - ☐ C. 50°
 - ☐ D. 34°

Q.27 Successive discounts of 20% and 29% are equivalent to a single discount of:

- Ans
- ☐ A. 46.66%
 - ☐ B. 42.5%
 - ☐ C. 46.44%
 - ☒ D. 43.2%

Q.28 The length of each side of a rhombus is 20 cm, and the length of one of the diagonals is 24 cm. Find the area (in cm^2) of the rhombus.

- Ans**
- ☐ A. 268
 - ☐ B. 356
 - ☒ C. 384
 - ☐ D. 284

Q.29 A, B and C can do a piece of work in 3, 8 and 24 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☒ A. 4
 - ☐ B. 12
 - ☐ C. 5
 - ☐ D. 8

Q.30 Find the value of r , if $25^{(r-1)} + 100 = 5^{(2r-1)}$

- Ans**
- ☐ A. 4
 - ☐ B. 1
 - ☐ C. 3
 - ☒ D. 2

Q.31 A vertical pole stands on level ground. From a point 20 metres (m) away from the base of the pole, the angle of elevation to the top is 45° . What is the height of the pole?

- Ans**
- ☐ A. 10 m
 - ☒ B. 20 m
 - ☐ C. 15 m
 - ☐ D. 25 m

Q.32 The distance between points A and B is 964 km. Kamlesh travels from A to B at 48 km/hr and returns at 52 km/hr. Find his average speed for the entire journey.

- Ans**
- ☐ A. 51.85 km/hr
 - ☒ B. 49.92 km/hr
 - ☐ C. 48.86 km/hr
 - ☐ D. 50.69 km/hr

Q.33 $\frac{1}{30}$ is what percentage of $\frac{1}{100}$ (rounded off to two decimal places)?

- Ans**
- ☐ A. 666.67%
 - ☐ B. 343.33%
 - ☐ C. 348.33%
 - ☒ D. 333.33%

Q.34 Three taps, A, B and C, can fill a tank in 12 hours, 15 hours and 18 hours, respectively. If tap A is open all the time and tap B and C are opened for one-one hour each alternately starting with tap B first, in how many hours will the tank be filled?

- Ans**
- ☐ A. $4\frac{3}{8}$ hours
 - ☐ B. $3\frac{5}{7}$ hours
 - ☒ C. $6\frac{8}{9}$ hours
 - ☐ D. $5\frac{2}{11}$ hours

Q.35 The ratio of three numbers is 10 : 21 : 16. If 60 percent of the first number is 12, then what would be 40 percent of the difference of third and second number?

- Ans
- ☐ A. 5
 - ☐ B. 6
 - ☒ C. 4
 - ☐ D. 2

Q.36 For 10 innings, a cricketer has an average of 76 runs. In the 11th innings, he scores 193 runs. His average score increased by (rounded off to the nearest whole number):

- Ans
- ☐ A. 9
 - ☒ B. 11
 - ☐ C. 6
 - ☐ D. 8

Q.37 What price should Amit mark on a pair of jeans which cost him ₹7,700, so as to gain 32% after allowing successive discounts of 16% and 20%?

- Ans
- ☐ A. ₹15,183
 - ☒ B. ₹15,125
 - ☐ C. ₹14,997
 - ☐ D. ₹14,993

Q.38 A train traveling at 60km/h crosses another train traveling in the same direction. What is the combined length of both the trains?



- Ans
- ☐ A. 150m
 - ☐ B. 250m
 - ☐ C. 270m
 - ☒ D. 300m

Q.39 The value of $\left(\frac{75983 \times 75983 - 45983 \times 45983}{30000} \right)$ is:

- Ans
- ☐ A. 131325
 - ☒ B. 121966
 - ☐ C. 145214
 - ☐ D. 141669

Q.40 What is the minimum value that must be assigned to A so that the 8-digit number 130A1568 is divisible by 8?

- Ans
- ☐ A. 5
 - ☒ B. 0
 - ☐ C. 3
 - ☐ D. 2

Q.41 If $x^2 - 3x - 1 = 0$, find the value of $x^2 + \frac{1}{x^2} - 6$.

- Ans
- ☐ A. 7
 - ☐ B. 9
 - ☐ C. 3
 - ☒ D. 5

Q.42 The price of fuel decreases by 35%, 40% and 50% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price? (Round off your answer to two decimal places.)

- Ans**
- ☐ A. Increases by 77.27%
 - ☐ B. Decreases by 70.64%
 - ☐ C. Increases by 76.37%
 - ☒ D. Decreases by 71.73%

Q.43 Find the product of two numbers whose sum is 24 and whose difference is 8.

- Ans**
- ☐ A. 124
 - ☐ B. 132
 - ☒ C. 128
 - ☐ D. 118

Q.44 The monthly incomes of two friends, Vijay and Mohan, are in the ratio 5 : 9, respectively, and each of them saves ₹4,2000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Vijay (in ₹).

- Ans**
- ☒ A. 2,10,000
 - ☐ B. 2,94,000
 - ☐ C. 2,11,000
 - ☐ D. 2,09,000

Q.45 The arithmetic mean of the observations 18, 74, 33, 16, 35, 96, 40, 68 and 43 is:

- Ans**
- ☐ A. 44
 - ☒ B. 47
 - ☐ C. 41
 - ☐ D. 43

Q.46 If $54 : A :: A : 150$, then find the positive value of A.

- Ans**
- ☐ A. 89
 - ☐ B. 93
 - ☒ C. 90
 - ☐ D. 87

Q.47 The amount on a sum of ₹7,100 at 10% per annum compound interest, compounded annually, in 2 years, will be:

- Ans**
- ☐ A. ₹8,828
 - ☐ B. ₹9,031
 - ☒ C. ₹8,591
 - ☐ D. ₹8,468

Q.48 A man buys a watch for ₹1,200 and sells it at a 10% loss. What is the selling price?

- Ans**
- ☐ A. ₹1,220
 - ☒ B. ₹1,080
 - ☐ C. ₹1,180
 - ☐ D. ₹1,240

Q.49 A brother is 2 years younger than his sister, and together their ages sum to 26 years. How old is the sister?

- Ans**
- ☐ A. 18 years
 - ☐ B. 16 years
 - ☐ C. 12 years
 - ☒ D. 14 years

Q.50 From a solid cylinder of height 48 cm and radius 14 cm, a conical cavity of radius 7 cm and height 24 cm is drilled out from one end of the cylinder. A hemisphere of radius 14 cm is scooped out from the other end. Find the total surface area (in cm^2) of the remaining solid.

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

- Ans**
- ☐ A. 6864
 - ☐ B. 6463
 - ☐ C. 6870
 - ☒ D. 6468

Section : General Intelligence and Reasoning

Q.51 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. HL-JN
 - ☐ B. XB-ZD
 - ☐ C. MQ-OS
 - ☒ D. PT-QX

Q.52 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:

All potatoes are bananas.
All bananas are apples.

Conclusions:

(I) All potatoes are apples.
(II) Some apples are bananas.

- 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.53 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HCU : LAY
PYC : TWG

- Ans**
- ☐ A. YCR : AYT
 - ☒ B. XUK : BSO
 - ☐ C. WGD : ABH
 - ☐ D. TKG : XHK

Q.54 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

YCG 18 HLP 23 QUY 28 ZDH 33 ?

- Ans ☒ A. INP 38
☒ B. IMQ 38
☒ C. ILP 37
☒ D. IRB 37

Q.55 In a certain code language, 'rain hall pig' is coded as 'kq zz nl' and 'pig bean error' is coded as 'hu mt zz'. How is 'pig' coded in that language?

- Ans ☒ A. kq
☒ B. nl
☒ C. zz
☒ D. hu

Q.56 Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only three boxes are kept below W. Only two boxes are kept between W and P. Only B is kept above D. T is kept at some place below E and at some place above S. Which box is kept at second position from the bottom?

- Ans ☒ A. S
☒ B. T
☒ C. E
☒ D. P

Q.57 In a certain code language,
'A + B' means 'A is the brother of B',
'A - B' means 'A is the husband of B',
'A × B' means 'A is the sister of B' and
'A ÷ B' means 'A is the mother of B'.

How is P related to T if 'P + Q - R ÷ S × T'?

- Ans ☒ A. Mother's brother
☒ B. Father's father
☒ C. Mother's father
☒ D. Father's brother

Q.58 In a certain code language, 'light reveals truth' is coded as 'rn ea kw' and 'truth guides paths' is coded as 'ib rn xu'. How is 'truth' coded in the given language?

- Ans ☒ A. kw
☒ B. rn
☒ C. ib
☒ D. ea

Q.59 What should come in place of the question mark (?) in the given series?

168 181 196 209 224 ?

- Ans ☒ A. 238
☒ B. 237
☒ C. 235
☒ D. 239

Q.60 KNKM is related to LOLN in a certain way based on the English alphabetical order. In the same way, ILIK is related to JMJL. To which of the given options is OROQ related, following the same logic?

- Ans**
- ☒ A. PROR
 - ☒ B. PSPR
 - ☒ C. PSOR
 - ☒ D. PTOX

Q.61 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. B is seated third from the right end. G is third to the left of D. E is seated to the right of B and at one of the ends. Only two people are seated between F and E. A does not sit at any of the extreme ends. Who is seated at the extreme left end?

- Ans**
- ☒ A. C
 - ☒ B. G
 - ☒ C. D
 - ☒ D. F

Q.62 Eight people – A, B, C, D, E, F, G and H, are sitting around a circular table facing the centre. Only two people sit between A and G when counted from the left of G. B sits to the immediate left of G. Only three people sit between C and B when counted from the left of C. E sits to the immediate right of D. F is not an immediate neighbour of B. Who sits second to the right of H?

- Ans**
- ☒ A. C
 - ☒ B. G
 - ☒ C. F
 - ☒ D. E

Q.63 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(57, 56.4, 58.4)

(49, 48.4, 50.4)

- Ans**
- ☒ A. (83, 82.4, 84.4)
 - ☒ B. (75, 74.4, 77.4)
 - ☒ C. (91, 89.4, 91.4)
 - ☒ D. (58, 57.4, 60.4)

Q.64 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 3215674, which of the following digits will be first from the right?

- Ans**
- ☒ A. 4
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. 8

Q.65 BYRS is related to LIBC in a certain way based on the English alphabetical order. In the same way, PMFG is related to ZWPQ. To which of the given options is TQJK related, following the same logic?

- Ans**
- ☒ A. DTRE
 - ☒ B. DUTA
 - ☒ C. DATB
 - ☒ D. DATU

- Q.66** 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:

All bolts are screws.
All bolts are nuts.
All nuts are rivets.

Conclusions:

(I): All bolts are rivets.
(II): Some nuts are screws.

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

- Q.67** In a row of 52 people facing north, Dimple sits 17th from the left end. If only 15 people sit to the right of Avni, then how many people sit between Dimple and Avni?

- Ans** ☒ A. 21
☒ B. 18
☒ C. 19
☒ D. 20

- Q.68** Six people G, H, I, Q, R and S are sitting in a straight line facing the north. No one is seated to the left of R. Only three people are seated between R and G. Only three people are seated to the right of H. Q is seated to the immediate left of H. S is not an immediate neighbor of H. How many people are seated between S and I?

- Ans** ☒ A. Four
☒ B. Three
☒ C. One
☒ D. Two

- Q.69** A, B, C and D opened shopping complexes in the same city. The shopping complex of A is 6 km west of the shopping complex of B. The shopping complex of C is 4 km north of the shopping complex of B. The shopping complex of D is 6 km west of the shopping complex of C. In which direction is the shopping complex of D from the shopping complex of A?

- Ans** ☒ A. West
☒ B. North
☒ C. East
☒ D. South

- Q.70** What should come in place of the question mark (?) in the given series?

808 818 829 841 854 ?

- Ans** ☒ A. 862
☒ B. 866
☒ C. 868
☒ D. 864

Q.71 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?

$$42 \text{ A } 6 \text{ D } 5 \text{ B } 3 \text{ C } 18 = ?$$

- Ans**
- ☒ A. 6
 - ☒ B. 13
 - ☒ C. 10
 - ☒ D. 18

Q.72 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

XLD, AOG, DRJ, GUM, ?

- Ans**
- ☒ A. JXQ
 - ☒ B. JXP
 - ☒ C. JYQ
 - ☒ D. JYP

Q.73 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. WTU
 - ☒ B. LJJ
 - ☒ C. DAB
 - ☒ D. EBC

Q.74 What should come in place of the question mark (?) in the given series?

21 28 38 51 67 ?

- Ans**
- ☒ A. 85
 - ☒ B. 87
 - ☒ C. 86
 - ☒ D. 84

Q.75 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 1 8 6 9 1 8 4 8 2 6 9 7 2 6 5 9 8 4 7 1 9 1 6 9 6 5 (Right)

How many such even numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☒ A. 4
 - ☒ B. 5
 - ☒ C. 6
 - ☒ D. 3

Q.76 This question is based on the five, three-digit numbers given below.
(Left) 128 945 371 539 276 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number.

- Ans
- ☐ A. 11
 - ☐ B. 9
 - ☒ C. 12
 - ☐ D. 8

Q.77 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 6 1 2 1 8 4 2 3 1 7 5 3 5 9 8 5 2 1 9 3 6 6 7 2 6 7 5 (Right)

How many such even numbers are there (from left to right), each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- ☐ A. 4
 - ☐ B. 5
 - ☐ C. 2
 - ☒ D. 3

Q.78 Town A is to the east of Town B. Town C is to the south of Town A. Town D is to the west of Town C. Town E is to the north of Town D. Town B is to the north-west of Town E. What is the position of Town A with respect to Town E?

- Ans
- ☐ A. South-east
 - ☒ B. North-east
 - ☐ C. South-west
 - ☐ D. North-west

Q.79 This question is based on the five, three-digit numbers given below.

(Left) 562 428 653 154 749 (Right)
(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second highest number is added to the third digit of the second lowest number?

- Ans
- ☒ A. 13
 - ☐ B. 12
 - ☐ C. 14
 - ☐ D. 11

Q.80 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 31264759, then what will be the sum of the second digit from the left and the third digit from the right in the new number thus formed?

- Ans
- ☐ A. 12
 - ☐ B. 8
 - ☒ C. 6
 - ☐ D. 10

Q.81 The ISSF World Cup is associated with which of the following sports?

- Ans**
- ☐ A. Skiing
 - ☐ B. Swimming
 - ☒ C. Shooting
 - ☐ D. Squash

Q.82 As of June 2025, how many times has the Indian men's junior hockey team won the Junior Asia Cup?

- Ans**
- ☐ A. 4
 - ☐ B. 1
 - ☒ C. 5
 - ☐ D. 7

Q.83 Which level of school education had the best pupil-teacher ratio (PTR) according to the UDISE+, 2024-25, report?

- Ans**
- ☒ A. Foundational (Classes 1-5)
 - ☐ B. Preparatory (Classes 6-8)
 - ☐ C. Secondary (Classes 9-12)
 - ☐ D. Middle (Classes 6-8)

Q.84 Which city ranked first in Category-1 (population of over 10 lakh) in the Swachh Vayu Sarvekshan Awards, 2025?

- Ans**
- ☐ A. Jabalpur
 - ☐ B. Agra
 - ☐ C. Surat
 - ☒ D. Indore

Q.85 In November 2025, 79 spotted deer were moved to which national park as part of conservation efforts in India?

- Ans**
- ☒ A. Chandoli National Park
 - ☐ B. Keoladeo National Park
 - ☐ C. Kaziranga National Park
 - ☐ D. Sultanpur National Park

Q.86 Which edition of the WHO Global Summit on Traditional Medicine will be held in New Delhi in December 2025?

- Ans**
- ☒ A. 2nd Edition
 - ☐ B. 1st Edition
 - ☐ C. 3rd Edition
 - ☐ D. 4th Edition

Q.87 Which of the following schemes is NOT converged into the Pradhan Mantri Virasat Ka Samvardhan scheme?

- Ans**
- ☐ A. Seekho Aur Kamao
 - ☐ B. Hamari Dharohar
 - ☒ C. Atal Pension Yojana
 - ☐ D. Nai Roshni

Q.88 On 13 September 2025, the Ministry of Youth Affairs & Sports announced the second edition of which of the following events aimed at higher participation, new tracks, and broader outreach?

- Ans**
- ☒ A. Viksit Bharat Young Leaders Dialogue – 2026
 - ☐ B. Viksit Bharat Youth Leadership Summit – 2026
 - ☐ C. Viksit Bharat Youth Development Forum – 2026
 - ☐ D. Viksit Bharat Young Innovators Conference – 2026

Q.89 Which city hosted WWE's 'Night of Champions' on 28 June 2025?

- Ans**
- ☐ A. Cairo, Egypt
 - ☐ B. Istanbul, Turkey
 - ☐ C. Dubai, UAE
 - ☒ D. Riyadh, Saudi Arabia

Q.90 At which institution was India's first AI teacher introduced?

- Ans**
- ☒ A. KTCT Higher Secondary School, Thiruvananthapuram
 - ☐ B. Government College of Teacher Education, Thiruvananthapuram
 - ☐ C. Loyola College, Chennai
 - ☐ D. St. Thomas College, Thrissur

Q.91 Which classical Bharatanatyam talent aged 14 received the Nritya Kala Bhushan Bal Puraskar in May 2025?

- Ans**
- ☒ A. Chetna V
 - ☐ B. Ravi Shankar
 - ☐ C. Sudha Chandran
 - ☐ D. Malavika Nair

Q.92 What was the Reserve Bank of India's repo rate in April 2025 after the 54th meeting of the Monetary Policy Committee (MPC)?

- Ans**
- ☐ A. 6.50%
 - ☒ B. 6.00%
 - ☐ C. 6.75%
 - ☐ D. 7.00%

Q.93 The U.S.–Turkey Nuclear Cooperation Agreement, signed in 2025, primarily focuses on developing which category of advanced nuclear reactors?

- Ans**
- ☐ A. Molten Salt Reactors
 - ☐ B. Fusion Reactors
 - ☒ C. Small Modular Reactors
 - ☐ D. Fast Breeder Reactors

Q.94 According to reports released in May 2025, DRR Dhan 100 (Kamala), a genome-edited rice variety developed by ICAR-IIRR, Hyderabad, is a derivative of which of the following rice varieties?

- Ans**
- ☒ A. Samba Mahsuri
 - ☐ B. MTU 1010
 - ☐ C. Swarna
 - ☐ D. IR64

Q.95 Who defended the 100 m hurdles title and set a Championships record of 12.96 s at the Asian Athletics Championships in May 2025?

- Ans** ☒ A. Jyothi Yarraji
☐ B. Anu Raghavan
☐ C. Vithya Ramraj
☐ D. Pooja Singh

Q.96 In October 2025, which national park was in the news for launching India's first-ever cheetah safari for tourists?

- Ans** ☐ A. Ranthambore National Park, Rajasthan
☒ B. Kuno National Park, Madhya Pradesh
☐ C. Jim Corbett National Park, Uttarakhand
☐ D. Kaziranga National Park, Assam

Q.97 When was the 130th Constitutional Amendment Bill introduced in the Lok Sabha?

- Ans** ☐ A. July 2025
☒ B. August 2025
☐ C. April 2025
☐ D. January 2025

Q.98 The Insurance Regulatory and Development Authority of India's (IRDAI) June 2025 advisory on the Air India AI-171 crash was issued to which of the following stakeholders?

- Ans** ☐ A. Only Life Insurers
☐ B. Only General Insurers
☒ C. All Insurers and Reinsurers
☐ D. All Banks and NBFCs

Q.99 At the Asian Para-Badminton Championship 2025 held in Thailand, how many total medals did Indian shuttlers win?

- Ans** ☐ A. 20
☒ B. 27
☐ C. 25
☐ D. 30

Q.100 Which of the following bodies released the report titled 'India's Blue Economy: Strategy for Harnessing Deep-Sea and Offshore Fisheries' in October 2025?

- Ans** ☐ A. National Fisheries Development Board
☐ B. Indian Ocean Research Institute
☒ C. NITI Aayog
☐ D. Marine Products Export Development Authority



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
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CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Webinfotron Technologies Pvt. Ltd.
Test Date	04/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 In plants, how does sexual reproduction leads to better survival in offspring?

- Ans
- ☐ A. Offspring are exact clones
 - ☐ B. Offspring are born faster
 - ☒ C. Offspring show new genetic recombination
 - ☐ D. Offspring do not show any variation

Q.2 What happens to an atom when it loses an electron?

- Ans
- ☐ A. It becomes neutral
 - ☒ B. It becomes a cation
 - ☐ C. It becomes an anion
 - ☐ D. It becomes a molecule

Q.3 What happens to the energy of an object just before it hits the ground while falling freely?

- Ans
- ☐ A. Its potential energy is at its highest, and its kinetic energy becomes lowest.
 - ☒ B. Its kinetic energy becomes highest, and its potential energy becomes lowest.
 - ☐ C. It has equal amounts of potential and kinetic energy.
 - ☐ D. Both its kinetic and potential energy become zero.

Q.4 In the electrolytic refining of copper, which of the following correctly describes the role of electrodes?

- Ans
- ☐ A. Both electrodes are made of impure copper
 - ☐ B. Pure copper is used as anode and impure copper as cathode
 - ☒ C. Impure copper is used as anode and pure copper as cathode
 - ☐ D. Both electrodes are made of pure copper

Q.5 The velocity-time graph of a particle moving with uniform acceleration is a:

- Ans
- ☐ A. curve concave upward
 - ☐ B. horizontal line
 - ☐ C. vertical line
 - ☒ D. straight line inclined to time axis

Q.6 What is the ratio of carbon to oxygen by mass, in carbon dioxide?

- Ans**
- ☐ A. 1:2
 - ☒ B. 3:8
 - ☐ C. 6:8
 - ☐ D. 2:4

Q.7 Complex tissues are made up of:

- Ans**
- ☐ A. one type of cells
 - ☐ B. only one cell
 - ☐ C. no cells
 - ☒ D. more than one type of cells

Q.8 In daily life, the heating effect of electric current is used in which of the following?

- Ans**
- ☒ A. Electric heater, electric iron, and fuse
 - ☐ B. Electric fan and motor
 - ☐ C. Electric bell and buzzer
 - ☐ D. LED and torch

Q.9 Which part of the Bryophyllum plant produces buds for vegetative propagation?

- Ans**
- ☒ A. Leaf margins
 - ☐ B. Tip of the leaf
 - ☐ C. Flower
 - ☐ D. Pedicel

Q.10 Which of the following statements is correct?

- Ans**
- ☐ A. Magnetic field lines intersect each other.
 - ☒ B. Magnetic field lines always emerge from the north pole of a magnet and enter the south pole outside the magnet.
 - ☐ C. The magnetic field at a point is zero when field lines are dense.
 - ☐ D. Magnetic field lines start from the south pole and end at the north pole.

Q.11 A train starts from rest and reaches a velocity of 36 km/hr in 3 minutes with uniform acceleration. What is the distance covered by the train during this time?

- Ans**
- ☐ A. 250 m
 - ☐ B. 750 m
 - ☐ C. 500 m
 - ☒ D. 900 m

Q.12 What is the function of the secretions from the prostate gland and seminal vesicles in the male reproductive system?

- Ans**
- ☐ A. To prevent mixing of urine and sperms
 - ☒ B. To provide nutrition and aid in sperm transport
 - ☐ C. To destroy weak sperms
 - ☐ D. To eliminate waste from sperms

Q.13 Which of the following are generally sensitive to touch and help plants in climbing?

- Ans**
- ☒ A. Tendrils
 - ☐ B. Thorns
 - ☐ C. Seeds
 - ☐ D. Flowers

Q.14 Adding dilute hydrochloric acid to zinc granules produces hydrogen gas. This is an example of which of the following?

- Ans**
- ☐ A. Mixture formation
 - ☒ B. Chemical change
 - ☐ C. Dissolution
 - ☐ D. Physical change

Q.15 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Zinc can displace copper from copper sulphate solution.

Reason (R): Zinc is less reactive than copper.

- Ans**
- ☐ A. Both A and R are true, and R is the correct explanation of A.
 - ☒ B. A is true, but R is false.
 - ☐ C. A is false, but R is true.
 - ☐ D. Both A and R are true, and R is not the correct explanation of A.

Q.16 If an object is at infinity in front of a convex lens, the image is formed:

- Ans**
- ☒ A. at F
 - ☐ B. between F and 2F
 - ☐ C. at infinity
 - ☐ D. at 2F

Q.17 What helps in the upward movement of water and minerals in plants?

- Ans**
- ☐ A. Conversion of sunlight into starch
 - ☒ B. Transpiration pull and root pressure
 - ☐ C. Diffusion of gases in stomata
 - ☐ D. Active transport in leaf cells

Q.18 In stethoscopes, the sound of the heartbeat is transmitted to the doctor's ears because:

- Ans**
- ☐ A. the sound waves undergo successive refraction in the tube
 - ☒ B. the sound waves are guided by multiple reflections in the tube
 - ☐ C. the sound waves are amplified by electricity
 - ☐ D. the sound waves are absorbed by the tube walls

Q.19 If the radius of the Earth is halved and the masses of both interacting objects are tripled, while keeping the distance between them unchanged, how will the gravitational force between them change?

- Ans**
- ☐ A. Decreases 3 times
 - ☐ B. Increases 3 times
 - ☒ C. Increases 9 times
 - ☐ D. Increases 36 times

Q.20 Which of the following is a characteristic property of ionic compounds?

- Ans**
- ☒ A. Strong electrostatic forces between ions
 - ☐ B. Insoluble in water
 - ☐ C. Poor electrical conductivity in molten state
 - ☐ D. Low melting point

Q.21 Which of the following cell organelle is present ONLY in animal cells but not in plant cells?

- Ans**
- ☒ A. Centrosome
 - ☐ B. Vacuole
 - ☐ C. Mitochondria
 - ☐ D. Golgi apparatus

Q.22 What is formed when ethanol is oxidised using an oxidising agent like alkaline KMnO_4 ?

- Ans**
- ☐ A. Acetone
 - ☐ B. Methanoic acid
 - ☒ C. Ethanoic acid
 - ☐ D. Methane

Q.23 Ethanoic acid reacts with ethanol in the presence of concentrated H_2SO_4 to form:

- Ans**
- ☐ A. sodium acetate
 - ☐ B. methanol
 - ☒ C. ethyl ethanoate
 - ☐ D. acetone

Q.24 Food items such as wheat, rice, vegetables, fruits and meat contain varying amounts of pesticide residues due to which of the following phenomena?

- Ans**
- ☒ A. Biological magnification
 - ☐ B. Eutrophication
 - ☐ C. Transpiration
 - ☐ D. Photosynthesis

Q.25 Which of the following statements is true regarding the twinkling of the stars?

- (i) The stars twinkle as they have light of their own.
- (ii) The stars twinkle due to reflection of light.
- (iii) There is apparent change in the position of the star during the night time.
- (iv) The stars twinkle due to atmospheric refraction.

- Ans**
- ☒ A. Both (iii) and (iv)
 - ☐ B. Both (i) and (ii)
 - ☐ C. Both (ii) and (iii)
 - ☐ D. Both (i) and (iv)

Section : Mathematics

Q.26 If regular polygons of side 6 and 5 are inscribed in a circle of radius R, then what is the ratio of their areas?

- Ans**
- ☐ A. $4\sqrt{3}:5\sqrt{10+2\sqrt{5}}$
 - ☒ B. $12\sqrt{3}:5\sqrt{10+2\sqrt{5}}$
 - ☐ C. $3\sqrt{3}:5\sqrt{10-2\sqrt{5}}$
 - ☐ D. $4\sqrt{3}:5\sqrt{10-2\sqrt{5}}$

Q.27 The value of $16^3 - 10^3$ is:

- Ans**
- ☐ A. 3064
 - ☒ B. 3096
 - ☐ C. 2957
 - ☐ D. 2837

Q.28 Evaluate $\sqrt{16} + \sqrt{900} + \sqrt{\frac{9.5 \times 0.0085 \times 18.9}{0.021 \times 0.0017 \times 1.9}}$.

- Ans
- ☐ A. 154
 - ☐ B. 174
 - ☒ C. 184
 - ☐ D. 164

Q.29 Successive discounts of 12% and 13% are equivalent to what single discount?

- Ans
- ☒ A. 23.44%
 - ☐ B. 21.91%
 - ☐ C. 22.2%
 - ☐ D. 20.7%

Q.30 A cuboid of dimensions 18 cm × 12 cm × 8 cm is melted and recast into smaller cubes each having an edge of 4 cm. Find the ratio of the total surface area of one small cube to that of the original cuboid.

- Ans
- ☒ A. 2 : 19
 - ☐ B. 1 : 10
 - ☐ C. 2 : 21
 - ☐ D. 3 : 19

Q.31 If 42 is the mean proportion between x and 294, what is the value of x?

- Ans
- ☐ A. 8
 - ☐ B. 4
 - ☐ C. 7
 - ☒ D. 6

Q.32 A shopkeeper offers the following four schemes.

- A) Two successive discounts of 19% and 25%
- B) Buy 7, get 6 free
- C) Single discount of 50%
- D) Two successive discounts of 3% and 39%

Which scheme is the best for the shopkeeper?

- Ans
- ☐ A. D
 - ☐ B. C
 - ☒ C. A
 - ☐ D. B

Q.33 In a test, B got 50 marks while A got 75 marks, out of 90 maximum marks. What percentage of A's marks was B's marks? (Round off the answer to two decimal places.)

- Ans
- ☐ A. 90.33%
 - ☒ B. 66.67%
 - ☐ C. 83.33%
 - ☐ D. 150.91%

Q.34 Two pipes can fill a cistern, individually, in 100 min and 25 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 40 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☐ A. 39 min
 - ☐ B. 38 min
 - ☒ C. 40 min
 - ☐ D. 37 min

Q.35 The points scored by a basketball team in a series of matches are as follows: 17, 2, 7, 27, 25, 5, 14, 18, 10, 24, 10, 8, 10, 12, 11. The value of the median is:

- Ans**
- ☐ A. 12
 - ☒ B. 11
 - ☐ C. 14
 - ☐ D. 10

Q.36 The monthly incomes of two friends Ashish and Kiran, are in the ratio 5 : 8, respectively, and each of them saves ₹75,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Ashish (in ₹).

- Ans**
- ☐ A. 1,88,500
 - ☒ B. 1,87,500
 - ☐ C. 2,62,500
 - ☐ D. 1,86,500

Q.37 Sachin bought 52 books for ₹1,120 from one shop and 47 books for ₹910 from another. What is the average price (in ₹, rounded off to two decimal places) he paid per book?

- Ans**
- ☐ A. 23.51
 - ☐ B. 21.51
 - ☐ C. 22.51
 - ☒ D. 20.51

Q.38 P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 18 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☐ A. 10
 - ☐ B. 18
 - ☒ C. 9
 - ☐ D. 19

Q.39 ₹1,287 is divided among Rahul, Monika, and Yuvraj in such a way that if ₹36, ₹22, and ₹29 are deducted from their respective shares, they have money in the ratio 17:7:16. Find the actual share of Monika.

- Ans**
- ☒ A. ₹232
 - ☐ B. ₹260
 - ☐ C. ₹160
 - ☐ D. ₹60

Q.40 The numerator of a fraction is 6 less than the denominator. If 2 is added to the numerator and the denominator, the fraction becomes $\frac{1}{2}$. Find the simplest form of the fraction.

- Ans
- ☐ A. $\frac{7}{13}$
 - ☐ B. $\frac{6}{11}$
 - ☒ C. $\frac{5}{8}$
 - ☐ D. $\frac{4}{5}$

Q.41 A man buys a sofa set for ₹24,000. He spends ₹3,000 on repairs and sells it for ₹30,000. He again buys it back for ₹28,000 and sells at a loss of ₹1,200. What is the overall profit?

- Ans
- ☒ A. ₹1,800
 - ☐ B. ₹1,200
 - ☐ C. ₹1,400
 - ☐ D. ₹1,600

Q.42 The amount on a sum of ₹2,400 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans
- ☐ A. ₹3,280
 - ☒ B. ₹3,456
 - ☐ C. ₹3,705
 - ☐ D. ₹3,206

Q.43 The distance between points A and B is 966 km. Kamlesh travels from A to B at a speed of 52 km/hr and returns at a speed of 118 km/hr. Calculate Kamlesh's average speed for the entire journey (round off the answer to two decimal places).

- Ans
- ☐ A. 80.53 km/hr
 - ☐ B. 69.63 km/hr
 - ☐ C. 83.02 km/hr
 - ☒ D. 72.19 km/hr

Q.44 A train can travel 60% faster than a car. Both start from point A at the same time and reach point B, which is 60 km away, simultaneously. However, the train loses 20 minutes due to stops at stations. What is the speed of the car?

- Ans
- ☐ A. 57.5 km/h
 - ☒ B. 67.5 km/h
 - ☐ C. 52.5 km/h
 - ☐ D. 62.5 km/h

Q.45 A 6-digit number 648XYZ is divisible by 4, 9 and 10. Find the value of $X + Z - Y$, where Y is the smallest possible number.

- Ans
- ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☒ D. 0

Q.46 If 8 years ago from now, a grandmother's age was 13 times the age of her granddaughter and after 12 years from now, the grandmother's age will be 3 times her granddaughter's age, then what is the difference of their ages at present (in years)?

- Ans ☐ A. 68
☐ B. 52
☐ C. 56
☒ D. 48

Q.47 In the first round of elections, Amit received 63% of the votes. In the second round, his support decreased by 24%. What percentage of the total votes did Amit receive after the second round?

- Ans ☐ A. 57.88%
☒ B. 47.88%
☐ C. 39%
☐ D. 49%

Q.48 The respective ratios between the numerical values of a curved surface area and the volume of a right circular cylinder is 1 : 7. If the respective ratio between the diameter and height of the cylinder is 7 : 6, what is the total surface area of the cylinder?

Use $\pi = \frac{22}{7}$

- Ans ☐ A. 4343 unit²
☐ B. 3434 unit²
☐ C. 4433 unit²
☒ D. 3344 unit²

Q.49 A ladder is placed against a vertical wall such that it makes an angle of θ with the ground. If the foot of the ladder is 8.5 m away from the wall, then what is the height of the wall at which the ladder touches the wall?

(Use $\sqrt{3} = 1.7$)

- Ans ☐ A. 5
☐ B. 15.54
☐ C. 10.5
☒ D. 14.45

Q.50 If $43 \times 43 = 1849$, then 4.3×4.3 equals to:

- Ans ☐ A. 184.9
☐ B. 0.1849
☐ C. 1.849
☒ D. 18.49

Section : General Intelligence and Reasoning

- Q.51** Six people, A, B, C, D, E and F, are sitting in a row, facing towards the north. Only three people are sitting at the right of A. Only one person is sitting between A and C. E is sitting second from the extreme left end of the row. B is not the immediate neighbour of A. F is sitting to the immediate left to B. F is sitting to the immediate right to A. Who is sitting at the extreme left end of the row?

Ans ☐ A. E
☐ B. B
☒ C. C
☐ D. D

- Q.52** S, P, D, M, and R are sitting around a circular table facing the centre. Only two people are sitting between R and M when counted from the left of R. D is an immediate neighbour of M and R. P is sitting to the immediate left of R. Who are the immediate neighbours of S?

Ans ☐ A. R and P
☐ B. D and R
☐ C. M and D
☒ D. P and M

- Q.53** Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 4 9 8 5 1 6 4 5 9 6 5 3 4 9 6 2 9 4 8 5 1 1 8 4 1 5 7 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

Ans ☐ A. 4
☐ B. 1
☐ C. 3
☒ D. 2

- Q.54** 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

All mints are lamps.

All mints are kites.

All mints are jams.

Conclusions:

(I) All lamps are jams

(II) Some jams are kites

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

Q.55 Shubham starts from Point A and drives 11 km towards South. He then takes a right turn, drives 7 km, turns right and drives 14 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(Note: All turns are 90° turns only unless specified.)

- Ans**
- ☒ A. 4 km to the east
 - ☒ B. 4 km to the west
 - ☒ C. 5 km to the east
 - ☒ D. 5 km to the west

Q.56 Seven friends D, E, F, U, V, W and X are sitting in a straight line facing the north. Only two people are seated between U and D. Only X is seated to the right of F. Only one person is seated between D and F. V is seated at some place to the right of E but at some place to the left of W. How many people are seated between W and E?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. Two

Q.57 Mr. Hepa ranked 56^{th} from the top and 71^{st} from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 126
 - ☒ B. 125
 - ☒ C. 123
 - ☒ D. 124

Q.58 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?

$$68 \text{ A } 2 \text{ D } 7 \text{ B } 5 \text{ C } (25 \text{ A } 5) \text{ B } 9 \text{ C } 30 \text{ A } 6 = ?$$

- Ans**
- ☒ A. 28
 - ☒ B. 61
 - ☒ C. 49
 - ☒ D. 35

Q.59 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 3215674, what will be the sum of the digits which are first from the left and third from the right?

- Ans**
- ☒ A. 6
 - ☒ B. 8
 - ☒ C. 7
 - ☒ D. 9

Q.60 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?

$$92 \text{ A } 2 \text{ D } (35 \text{ A } 7) \text{ B } 4 \text{ C } 30 \text{ A } 3 \text{ C } 5 \text{ B } 11 = ?$$

- Ans**
- ☒ A. 80
 - ☒ B. 91
 - ☒ C. 73
 - ☒ D. 102

Q.61 Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

NJL-OKM

CYA-DZB

- Ans**
- ☐ A. IEG-IFG
 - ☐ B. IDE-JFH
 - ☐ C. IDE-IEG
 - ☒ D. IEG-JFH

Q.62 What should come in place of the question mark (?) in the given series?

84 77 70 ? 56 49 42

- Ans**
- ☐ A. 68
 - ☐ B. 66
 - ☐ C. 60
 - ☒ D. 63

Q.63 54 people are standing in a row facing North. Junaid is 21st from the left end, while Sourav is 12th from the right end. How many people are there between Junaid and Sourav?

- Ans**
- ☐ A. 18
 - ☒ B. 21
 - ☐ C. 19
 - ☐ D. 20

Q.64 VHEP is related to OAXI in a certain way based on the English alphabetical order. In the same way, TFCN is related to MYVG. To which of the following options is YKHS related, following the same logic?

- Ans**
- ☐ A. RLDE
 - ☒ B. RDAL
 - ☐ C. RADE
 - ☐ D. RDSE

Q.65 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. TXZ
 - ☐ B. RVX
 - ☒ C. HLP
 - ☐ D. LPR

Q.66 This question is based on the five, three-digit numbers given below.

(Left) 604, 895, 469, 742, 307 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

Note: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans ☒ A. 5

☐ B. 9

☐ C. 12

☐ D. 16

Q.67 In a certain code language,
'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the wife of B',
'A % B' means 'A is the father of B' and
'A # B' means 'A is the daughter of B'.

How is C related to R if 'C # N × K % T + R'?

Ans ☐ A. Mother's mother

☐ B. Sister's daughter

☒ C. Mother's sister

☐ D. Mother's father

Q.68 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:

All forks are kettles.

Some forks are spoons.

Conclusions:

(I): Some kettles are spoons.

(II): All spoons are forks.

Ans ☐ A. Only conclusion (II) follows

☐ B. Both conclusions (I) and (II) follow

☐ C. Neither conclusion (I) nor (II) follows

☒ D. Only conclusion (I) follows

Q.69 In a certain code language, WASO is coded as 65 and YKSB is coded as 64. What is the code for LEUC in that language?

Ans ☐ A. 52

☐ B. 57

☐ C. 50

☒ D. 48

Q.70 GBCI is related to YTUA in a certain way based on the English alphabetical order. In the same way, AVWC is related to SNOU. To which of the following options is CXYE related, following the same logic?

- Ans**
- ☒ A. UIOP
 - ☒ B. UPQW
 - ☒ C. UPNH
 - ☒ D. UQWE

Q.71 Hitesh starts from Point A and drives 62 km towards the east. He then takes a left turn, drives 36 km, turns left and drives 78 km. He then takes a left turn and drives 71 km. He takes a final left turn, drives 16 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. 37 km to the south
 - ☒ B. 34 km to the north
 - ☒ C. 36 km to the south
 - ☒ D. 35 km to the north

Q.72 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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ A. KOT
 - ☒ B. WAE
 - ☒ C. ZDI
 - ☒ D. HLQ

Q.73 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEA 48 CDZ 55 BCY 62 ABX 69 ?

- Ans**
- ☒ A. ZAW 76
 - ☒ B. ZIS 75
 - ☒ C. ZBV 76
 - ☒ D. ZZV 75

Q.74 What should come in place of the question mark (?) in the given series?

15, 22, 36, 57, 85, ?

- Ans**
- ☒ A. 122
 - ☒ B. 119
 - ☒ C. 121
 - ☒ D. 120

Q.75 What should come in place of the question mark (?) in the given series?

412 420 408 424 404 428 ?

- Ans**
- ☒ A. 432
 - ☒ B. 400
 - ☒ C. 408
 - ☒ D. 424

Q.76 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only).

(Left) 9 3 5 7 2 4 6 1 8 9 2 5 3 7 4 6 1 8 9 5 2 4 (Right)

How many unique single-digit numbers in the series are divisible by 3 (each single-digit number counted only once, regardless of repetitions)?

- Ans** ☒ A. Three
☐ B. Two
☐ C. None
☐ D. One

Q.77 In a certain code language, 'never judge people' is coded as 'gu uf ha' and 'don't ask people' is coded as 'kl td uf'. How is 'people' coded in that language? (All codes are two-letter codes.)

- Ans** ☒ A. uf
☐ B. td
☐ C. ha
☐ D. gu

Q.78 Refer to the following series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 1 7 9 4 5 3 4 4 1 8 2 2 4 4 9 7 6 9 9 4 6 2 9 9 8 7 (Right)

How many such odd numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 3
☐ B. 0
☐ C. 2
☒ D. 1

Q.79 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GDA IFC KHE MJG ?

- Ans** ☐ A. OKI
☐ B. OKJ
☐ C. OLJ
☒ D. OLI

Q.80 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

19, 35
28, 53

- Ans** ☒ A. 36, 69
☐ B. 73, 145
☐ C. 85, 166
☐ D. 42, 85

Section : General Awareness and Current Affairs

Q.81 Who won the prestigious Yuva Puraskar in Hindi for the poetry collection, Phir Ugna, in June 2025?

- Ans**
- ☐ A. Mayur Khavdu
 - ☒ B. Parvati Tirkey
 - ☐ C. Subrat Senapati
 - ☐ D. Akhil P Dharmajan

Q.82 At which event did the DRDO official announce the development of the new high-calibre Pinaka rocket with a range of 120 km?

- Ans**
- ☐ A. Defence Expo 2025
 - ☐ B. Aero Expo 2025
 - ☐ C. International Defence Conference 2025
 - ☒ D. Aero India 2025

Q.83 Which of the following International events did India host in 2025 that is considered one of the largest gatherings of its kind and showcases India's global standing in inclusive sports?

- Ans**
- ☐ A. Commonwealth Games 2026
 - ☒ B. World Para Athletics Championships 2025
 - ☐ C. FIFA Women's World Cup 2025
 - ☐ D. Summer Universiade 2025

Q.84 As per the Sustainable Development Report 2025, which rank did India secure in the Sustainable Development Goals (SDG) Index, marking its first entry into the "top 100" nations?

- Ans**
- ☐ A. 74
 - ☐ B. 85
 - ☒ C. 99
 - ☐ D. 98

Q.85 Which among the following got a six-year support plan announced in Union Budget 2025-2026 to reduce imports?

- Ans**
- ☐ A. Steel
 - ☒ B. Pulses
 - ☐ C. Electronics
 - ☐ D. Oil seeds

Q.86 In June 2025, Karnataka raised the housing reservation quota for religious minorities from 10% to what percentage?

- Ans**
- ☐ A. 18%
 - ☒ B. 15%
 - ☐ C. 12%
 - ☐ D. 20%

Q.87 According to the Indian Government, by the June 2025, how many Khelo India Centres (KICs) were established for grassroots sports training and athlete development?

- Ans**
- ☒ A. 1045
 - ☐ B. 936
 - ☐ C. 1000
 - ☐ D. 950

Q.88 In November 2025, which organization delivered a human-rated Vikas engine to the Indian Space Research Organisation for the Gaganyaan mission?

- Ans**
- ☐ A. Larsen & Toubro
 - ☒ B. Godrej Aerospace
 - ☐ C. Hindustan Aeronautics Limited
 - ☐ D. Bharat Dynamics Limited

Q.89 Which of the following is NOT included among the four Labour Codes implemented in 2025?

- Ans**
- ☐ A. Code on Social Security, 2020
 - ☐ B. Code on Wages, 2019
 - ☐ C. Industrial Relations Code, 2020
 - ☒ D. Code on Education, 2021

Q.90 Who inaugurated the football stadium at Police Complex, Chumoukedima near Dimapur, Nagaland, in January 2025?

- Ans**
- ☐ A. Conrad Sangma
 - ☐ B. N. Biren Singh
 - ☐ C. Temjen Imna Along
 - ☒ D. Neiphiu Rio

Q.91 According to the October 2025 Monetary Policy Report of the Reserve Bank of India, what is the revised CPI inflation projection for FY 2025–26?

- Ans**
- ☒ A. 2.6%
 - ☐ B. 3.4%
 - ☐ C. 3.1%
 - ☐ D. 2.2%

Q.92 Which city hosted the 28th National Conference on e-Governance in September 2025?

- Ans**
- ☐ A. New Delhi
 - ☐ B. Bengaluru
 - ☒ C. Visakhapatnam
 - ☐ D. Hyderabad

Q.93 Where was the 2025 Champions League final held?

- Ans**
- ☐ A. Santiago Bernabéu, Madrid
 - ☒ B. Allianz Arena, Munich
 - ☐ C. Camp Nou, Barcelona
 - ☐ D. Wembley Stadium, London

Q.94 Who among the following was appointed as the Deputy Chief Executive Officer (Deputy CEO) of SBI General Insurance in June 2025?

- Ans**
- ☐ A. Naveen Chandra Jha
 - ☐ B. Anand Pejaware
 - ☐ C. Indrani Dutta
 - ☒ D. Mohd. Arif Khan

Q.95 In 2025, the UN General Assembly urged to grant UN membership as the 194th country to which of the following countries?

- Ans**
- ☐ A. Vatican City
 - ☐ B. South Sudan
 - ☒ C. Palestine
 - ☐ D. Kosovo

Q.96 Which group set a Guinness World Record by performing 108 Surya Namaskars with over 22,000 tribal students?

- Ans**
- ☒ A. Andhra Pradesh tribal students
 - ☐ B. Gujarat volunteers
 - ☐ C. Maharashtra yoga groups
 - ☐ D. Rajasthan school children

Q.97 The Chhattisgarh Chief Minister in August 2025 directed officials to extend assistance to families affected by floods in which of the following divisions?

- Ans**
- ☐ A. Surguja
 - ☐ B. Bilaspur
 - ☒ C. Bastar
 - ☐ D. Raipur

Q.98 When is Hindi Journalism Day celebrated every year in India?

- Ans**
- ☒ A. 30 May
 - ☐ B. 5 May
 - ☐ C. 18 February
 - ☐ D. 9 April

Q.99 Which of the following cyber security exercises was launched by the Indian Armed Forces in 2025 to simulate real-world threats and promote secure practices?

- Ans**
- ☐ A. Raksha Netra
 - ☒ B. Cyber Suraksha
 - ☐ C. Sainya SecureNet
 - ☐ D. Cyber Kavach

Q.100 What is a key aim of the Aravalli Green Wall Project launched on the World Environment Day in June 2025?

- Ans**
- ☒ A. Expanding green cover to combat desertification
 - ☐ B. Mounting vertical gardens in Mumbai
 - ☐ C. Establishing national parks across Himalayas
 - ☐ D. Building embankments in Punjab



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Sector 4
Test Date	04/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 In which of the following reactions does colour change, gas evolution, and solid residue formation, all occur simultaneously during decomposition?

Ans ☒ A. $\text{Pb}(\text{NO}_3)_2 \rightarrow \text{PbO} + \text{NO}_2 + \text{O}_2$

☐ B. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

☐ C. $2\text{AgCl} \rightarrow 2\text{Ag} + \text{Cl}_2$

☐ D. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$

Q.2 Which of the following features enables simple squamous epithelium to efficiently carry out diffusion?

Ans ☐ A. Presence of multiple layers of cells

☐ B. Cells with cilia for movement

☒ C. Flat, thin, and closely packed cells

☐ D. Thick cytoplasm with large nuclei

Q.3 What is the correct definition of one unit of force (1 newton)?

Ans ☐ A. The force needed to move a 1 kg object to a distance of 1 metre

☐ B. The force that causes a 1 g object to accelerate at 1 metre

☒ C. The force that causes a 1 kg object to accelerate at 1 m/s^2

☐ D. The force required to keep an object at rest

Q.4 In a hypotonic solution, which of the following statements is correct for animal tissues compared with plant tissues?

Ans ☐ A. Animal cells have thicker cellulose walls than plants.

☒ B. Animal cells are more likely to lyse without an external wall.

☐ C. Animal cells resist swelling due to a rigid wall.

☐ D. Animal cells shrink more than plant cells in dilute media.

Q.5 An atom contains 17 electrons and 18 neutrons. Find the number of protons.

Ans ☐ A. 35.5

☒ B. 17

☐ C. 18

☐ D. 36

Q.6 Which of the following statements is true about work done by a constant force?

- Ans**
- ☐ A. It is independent of displacement
 - ☒ B. It depends only on the initial and final positions
 - ☐ C. It depends on the path of motion
 - ☐ D. It is always positive

Q.7 If the value of the Universal Gravitational Constant (G), the mass of the Earth (M), and the radius of the Earth (R) are known, which equation is used to calculate the acceleration due to gravity (g) near the Earth's surface?

- Ans**
- ☐ A. $g = GR/M^2$
 - ☐ B. $g = GM/R$
 - ☐ C. $R^2/(GM)$
 - ☒ D. $g = GM/R^2$

Q.8 Which proteins are essential for muscle contraction and relaxation?

- Ans**
- ☐ A. Elastin and fibrin
 - ☐ B. Keratin and collagen
 - ☒ C. Contractile proteins
 - ☐ D. Myoglobin and haemoglobin

Q.9 In a laboratory, a student mixes starch in water and observes that the mixture is neither a true solution nor a suspension. What property of this mixture confirms it is a colloidal solution?

- Ans**
- ☐ A. The particles settle down after some time.
 - ☐ B. The mixture is completely transparent and does not scatter light.
 - ☐ C. The particles are visible to the naked eye.
 - ☒ D. The particles scatter a beam of light but do not settle on standing.

Q.10 Which of the following statements is/are correct?

- a. Zinc granules when placed in dilute sulphuric acid, hydrogen gas is evolved.
- b. Zinc granules when placed in sodium hydroxide solution forms zinc hydroxide.
- c. Zinc granules when placed in sodium hydroxide forms sodium zincate.

- Ans**
- ☒ A. a and c
 - ☐ B. a and b
 - ☐ C. Only a
 - ☐ D. Only b

Q.11 A mixture differs from a compound in that:

- Ans**
- ☐ A. it shows combined properties only
 - ☐ B. it has fixed proportions of elements
 - ☐ C. its components cannot be separated
 - ☒ D. its components retain their properties

Q.12 When an iron nail is dipped in copper sulphate solution, which of the following observations confirms that a displacement reaction has occurred?

- Ans**
- ☐ A. The solution turns colourless, and hydrogen gas is released.
 - ☐ B. A white precipitate is formed.
 - ☒ C. The blue colour of the copper sulphate solution fades, and a reddish-brown deposit appears on the iron nail.
 - ☐ D. The solution remains blue, and the iron nail remains shiny.

Q.13 Which of the following animals produces infrasound?

- Ans
- ☐ A. Birds and snakes
 - ☒ B. Whales and elephants
 - ☐ C. Horses and cows
 - ☐ D. Dogs and cats

Q.14 What was the primary goal of the Chipko Movement of the Garhwal region?

- Ans
- ☒ A. Protection of the forest
 - ☐ B. Aforestation
 - ☐ C. Grazing of forest
 - ☐ D. Cutting of forest

Q.15 Why is graphite a good conductor of electricity?

- Ans
- ☒ A. It has free-moving electrons.
 - ☐ B. It melts at low temperatures.
 - ☐ C. It absorbs water easily.
 - ☐ D. It forms strong ionic bonds.

Q.16 The Tyndall effect is observed when:

- Ans
- ☒ A. light is scattered by very fine particles suspended in a medium
 - ☐ B. light reflects from a mirror surface
 - ☐ C. light is absorbed by particles in a solution
 - ☐ D. light passes through a vacuum

Q.17 An electric geyser has a power of 2200 W when it is operated at 220 V. How much will be the current flowing through the heater?

- Ans
- ☐ A. 100 A
 - ☐ B. 1100 A
 - ☐ C. 1 A
 - ☒ D. 10 A

Q.18 The principal focus of a spherical mirror is defined as:

- Ans
- ☒ A. The point on the principal axis where parallel rays converge (or appear to diverge) after reflection
 - ☐ B. The midpoint of the radius of curvature
 - ☐ C. The center of the mirror's reflecting surface
 - ☐ D. The distance between object and image

Q.19 What do the ovary and ovule form after fertilisation in plants?

- Ans
- ☐ A. Ovary forms the plumule and ovule forms the radicle.
 - ☐ B. Ovary forms the seed and ovule forms the embryo.
 - ☒ C. Ovary forms the fruit and ovule forms the seed.
 - ☐ D. Ovary forms the fruit and ovule forms the cotyledons.

Q.20 In a 250 mL solution, 5 g of solute is dissolved. What is the concentration (mass by volume %) of the solution?

- Ans
- ☐ A. 0.2%
 - ☐ B. 20%
 - ☒ C. 2%
 - ☐ D. 5%

Q.21 The process of transfer of pollen grains from one flower to the stigma of another flower is called ____.

- Ans**
- ☐ A. guttation
 - ☒ B. pollination
 - ☐ C. gestation
 - ☐ D. germination

Q.22 Which of the following statements is correct about Ohm's law?

- Ans**
- ☐ A. Current is inversely proportional to voltage at constant temperature.
 - ☒ B. Current is directly proportional to voltage at constant temperature.
 - ☐ C. Resistance remains constant only for non-ohmic conductors.
 - ☐ D. Ohm's law is applicable to all materials at all temperatures.

Q.23 Starting from rest, a car attains a velocity of 10 m/s in 20 s. Braking reduces the velocity to 5 m/s in the next 5 s. What is the respective acceleration in the two scenarios?

- Ans**
- ☐ A. 0.5 m/s² ; 1 m/s²
 - ☐ B. 1 m/s² ; 0.5 m/s²
 - ☐ C. -1 m/s² ; 0.5 m/s²
 - ☒ D. 0.5 m/s² ; -1 m/s²

Q.24 In wastewater treatment plant, the biogas is obtained from which of the following substance?

- Ans**
- ☐ A. Banana peels
 - ☐ B. Coconut husk
 - ☒ C. Sludge
 - ☐ D. Dried leaves

Q.25 If two daughter cells produced by cell division show minor differences in their structure, which process during DNA copying most likely caused these variations?

- Ans**
- ☐ A. The absence of DNA blueprints in the nucleus
 - ☐ B. Errors in protein synthesis after DNA copying
 - ☐ C. The separation of DNA copies into new cells is incomplete
 - ☒ D. Minor variations occur during DNA copying due to the inherent unreliability of biochemical reactions

Section : Mathematics

Q.26 Water flows through a cylindrical pipe of internal diameter 14 cm at 5 metre per second. Calculate the time (in minutes) the pipe would take to fill an empty rectangular tank 8 m × 6 m × 4.62 m.

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

- Ans**
- ☐ A. 50
 - ☐ B. 44
 - ☒ C. 48
 - ☐ D. 46

Q.27 Bibha bought a number of bananas at 2 for a rupee and an equal number at 3 for a rupee. To make a profit of 40%, she should sell a dozen for ₹.

- Ans**
- ☒ A. 7
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 8

Q.28 The volume of the cube is 1728 cm^3 . Find its total surface area.

- Ans**
- ☐ A. 464 cm^2
 - ☐ B. 664 cm^2
 - ☒ C. 864 cm^2
 - ☐ D. 144 cm^2

Q.29 The mode of given list of numbers 115, 190, 110, 185, 85, 110, 115, 102, 90, 95, 85, 68, 85 is:

- Ans**
- ☒ A. 85
 - ☐ B. 110
 - ☐ C. 68
 - ☐ D. 92

Q.30 The square of the expression $\frac{x^3}{y^2} \times \frac{1}{x^{-1}} \div y^{-2} \times \left(\frac{1}{x^2}\right)^2$ is ____.

- Ans**
- ☒ A. 1
 - ☐ B. x
 - ☐ C. $\frac{x^2}{y^2}$
 - ☐ D. x^2

Q.31 A person's monthly income is ₹60,000. He spends 25% of his income on rent, 15% on groceries, 10% on transportation and saves the rest. How much money does he save every month?

- Ans**
- ☒ A. ₹30,000
 - ☐ B. ₹25,000
 - ☐ C. ₹40,000
 - ☐ D. ₹45,000

Q.32 Find the effective price percentage of the marked price after three consecutive discounts of 10%, 27% and 8% (rounded off to two decimal places).

- Ans**
- ☐ A. 58.28%
 - ☒ B. 60.44%
 - ☐ C. 59.64%
 - ☐ D. 62.64%

Q.33 A is three times as old as B. If six years are subtracted from B's age and four years are added to A's age, then A's age will be five times B's age. How old was A two years ago?

- Ans**
- ☐ A. 40 years
 - ☐ B. 36 years
 - ☒ C. 49 years
 - ☐ D. 54 years

Q.34 In a basketball game, a player scored 36 points using only 2-point shots and 3-point shots. She made 14 successful shots in total. How many 2-point and how many 3-point shots did she make?

- Ans**
- ☐ A. Number of 2-point shots = 8; Number of 3-point shots = 6
 - ☒ B. Number of 2-point shots = 6; Number of 3-point shots = 8
 - ☐ C. Number of 2-point shots = 7; Number of 3-point shots = 7
 - ☐ D. Number of 2-point shots = 10; Number of 3-point shots = 4

Q.35 If 90% of 80% of $\frac{2}{7}$ of a number is 576, find the number.

- Ans
- ☒ A. 5180
 - ☒ B. 3710
 - ☒ C. 2800
 - ☒ D. 6740

Q.36 ₹5,403 is divided among A, B, and C in such a way that if ₹79, ₹25, and ₹19 be deducted from their respective shares, they have money in the ratio 14:5:11. Find the difference between the B's and C's original shares.

- Ans
- ☒ A. ₹1,050
 - ☒ B. ₹956
 - ☒ C. ₹1,156
 - ☒ D. ₹1,206

Q.37 Walking at $\frac{5}{7}$ th of his normal speed from his home, Shahid is 12 min late. The usual time taken by him to cover the distance between his home and office is _____.

- Ans
- ☒ A. 28 minutes
 - ☒ B. 30 minutes
 - ☒ C. 23 minutes
 - ☒ D. 34 minutes

Q.38 For 7 innings, a cricketer had an average of 59 runs. In the 8th inning, he scored 217 runs. His average score increased by _____. (Round off the answer to the nearest whole number.)

- Ans
- ☒ A. 20
 - ☒ B. 11
 - ☒ C. 29
 - ☒ D. 19

Q.39 If the fourth proportion to 5, X and 3 is 63, then find the value of X.

- Ans
- ☒ A. 107
 - ☒ B. 106
 - ☒ C. 108
 - ☒ D. 105

Q.40 Two trains of lengths 316 m and 349 m are running at speeds of 58 km/h and 68 km/h, respectively, on parallel tracks in opposite directions. In how many seconds will they cross each other?

- Ans
- ☒ A. 19 seconds
 - ☒ B. 22 seconds
 - ☒ C. 27 seconds
 - ☒ D. 30 seconds

Q.41 A and B can complete a piece of work in 8 days and 12 days, respectively. A starts working on the task and after 3 days, B joins him. How many more days will it take to finish the work after B joins?

- Ans ☐ A. 5 days
☐ B. 2 days
☐ C. 4 days
☒ D. 3 days

Q.42 If $\cos t = x$ and t is an acute angle, find the value of $\sin t$.

- Ans ☒ A. $\sqrt{1-x^2}$
☐ B. $\frac{1}{\sqrt{1-x^2}}$
☐ C. $x\sqrt{1-x^2}$
☐ D. $\frac{x}{\sqrt{1-x^2}}$

Q.43 The amount on a sum of ₹5,000 at 18% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☐ A. ₹7,015
☐ B. ₹7,068
☐ C. ₹6,984
☒ D. ₹6,962

Q.44 Simplify: $\frac{2}{5} + 1.4$

- Ans ☒ A. 1.8
☐ B. 2.8
☐ C. 5.4
☐ D. 3.9

Q.45 If regular polygons of sides 6 and 5 are inscribed in a circle of radius R , then what is the ratio of their areas?

- Ans ☐ A. $4\sqrt{3} : 5\sqrt{10+2\sqrt{5}}$
☒ B. $12\sqrt{3} : 5\sqrt{10+2\sqrt{5}}$
☐ C. $3\sqrt{3} : 5\sqrt{10-2\sqrt{5}}$
☐ D. $4\sqrt{3} : 5\sqrt{10-2\sqrt{5}}$

Q.46 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 75% and that of the TV decreases by 49%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

- Ans ☐ A. Increase by 24.5%
☐ B. Decrease by 19.5%
☐ C. Decrease by 26.4%
☒ D. Increase by 25.4%

Q.47 One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 7 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 22
 - ☐ B. 43
 - ☒ C. 21
 - ☐ D. 42

Q.48 The sum of the first 13 prime numbers is:

- Ans**
- ☐ A. 243
 - ☒ B. 238
 - ☐ C. 235
 - ☐ D. 241

Q.49 A dealer marks his goods at 25% above the cost price and allows a discount of 68% on the marked price. What is his gain or loss percentage?

- Ans**
- ☐ A. 58% loss
 - ☐ B. 63% gain
 - ☒ C. 60% loss
 - ☐ D. 57% loss

Q.50 Simplify: $(x + 5)(x - 5)$

- Ans**
- ☐ A. $x^2 + 25$
 - ☐ B. $x^2 - 10x + 25$
 - ☒ C. $x^2 - 25$
 - ☐ D. $x^2 + 10x + 25$

Section : General Intelligence and Reasoning

Q.51 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DRAWING - ADRWGIN - RADWNGI
FORMULA - RFOMAU - ORFMLAU

- Ans**
- ☐ A. FASHION - SAFHNIO - ASFHONI
 - ☐ B. FASHION - SAFNHIO - FASONHI
 - ☐ C. FASHION - SFAHNOI - ASFIHNO
 - ☒ D. FASHION - SFAHNIO - ASFHONI

- Q.52** 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:

All bottles are cups.

All bottles are glasses.

Some glasses are teapots.

Conclusions:

(I): Some teapots are bottles.

(II): Some glasses are cups.

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

- Q.53** 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☒ A. KN - IM
☒ B. JM - HK
☒ C. GJ - EH
☒ D. MP - KN

- Q.54** In a certain code language,
A + B means 'A is the sister of B',
A # B means 'A is the brother of B',
A x B means 'A is the wife of B',
A @ B means 'A is the father of B'.

Based on the above, how is L related to R if 'L @ O x V # E + R'?

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

- Q.55** P, Q, R, S, and T are sitting around a circular table, facing the centre. R is sitting second to the right of P. T is sitting second to the right of S. P is to the immediate left of S. Who is to the immediate right of T?

- Ans** ☒ A. R
☒ B. Q
☒ C. S
☒ D. P

- Q.56** In a row of 19 people facing north, Geetha is 6th from the left end. If Divya sits 5th to the right of Geetha, then what is Divya's position from the right end of the row?

- Ans** ☒ A. 8th
☒ B. 9th
☒ C. 10th
☒ D. 11th

Q.57 PNHT is related to VILQ in a certain way based on the English alphabetical order. In the same way, MSDT is related to SNHQ. To which of the given options is IRUI related, following the same logic?

- Ans** ☒ A. OMYF
☐ B. PMZF
☐ C. ONYE
☐ D. PNZE

Q.58 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. QVP
☐ B. MRL
☒ C. TYR
☐ D. EJD

Q.59 Seven friends, B, C, D, T, U, V and W, are sitting in a straight line facing north. All friends sit to the left of C. Only three people sit between C and T. Only two people sit between T and V. B sits third to the left of D. W sits to the immediate right of D. How many people sit between U and V?

- Ans** ☒ A. Three
☐ B. One
☐ C. Two
☐ D. Four

Q.60 In a certain code language, NSQE is coded as 165 and XIJA is coded as 132. What is the code for PEYO in that language?

- Ans** ☐ A. 179
☐ B. 188
☐ C. 170
☒ D. 183

Q.61 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:

All crows are sparrows.
No crow is a pigeon.

Conclusions:

(I): No sparrow is a pigeon.
(II): Some pigeons are crows.

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

Q.62 In a row of 50 students facing north, Parash is 18th from the left end. If Aparna is 7th to the right of Parash, what is Aparna's position from the right end of the row?

- Ans** ☒ A. 26th
☐ B. 24th
☐ C. 23rd
☐ D. 25th

Q.63 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$7 \div 5 + 12 \times 3 - 19 = ? + 5$$

- Ans** ☒ A. 55
☐ B. 45
☐ C. 60
☐ D. 50

Q.64 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 1 6 2 9 3 3 6 4 1 8 6 5 6 8 6 9 5 6 1 6 4 8 6 2 8 7 4 8 2 (Right)

How many 6's are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans** ☐ A. Three
☐ B. Two
☒ C. More than three
☐ D. One

Q.65 What should come in place of the question mark (?) in the given series?

521 523 527 533 541 ?

- Ans** ☒ A. 551
☐ B. 553
☐ C. 555
☐ D. 549

Q.66 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$32 + 34 - 35 \times 5 \div 22 = ?$$

- Ans** ☐ A. 154
☐ B. 150
☒ C. 152
☐ D. 153

Q.67 A man is standing on the roof facing east. First, he turns 45 degrees clockwise, then 45 degrees anticlockwise. He then turns 180 degrees anticlockwise. Finally, he turns 90 degrees clockwise. In which direction is the man facing now?

- Ans** ☒ A. North
☐ B. West
☐ C. East
☐ D. South

Q.68 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single digit numbers only.)

(Left) 5 4 4 2 6 3 6 4 6 4 7 9 4 5 8 8 2 5 3 1 7 4 8 5 9 4 1 2 7 4 (Right)

How many such prime 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. More than three
 - ☒ D. Three

Q.69 A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits second to the left of E. D is an immediate neighbour of F. C sits to the immediate left of F. C sits second to the right of A. What is the position of E with respect to F?

- Ans**
- ☒ A. Second to the right
 - ☒ B. Immediate right
 - ☒ C. Second to the left
 - ☒ D. Immediate left

Q.70 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 9 6 4 8 7 7 7 7 1 3 6 4 7 2 3 1 8 5 6 8 9 9 9 4 9 8 (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. 2
 - ☒ B. 4
 - ☒ C. 5
 - ☒ D. 3

Q.71 Wamiq starts from point A and drives 78 km towards the west. He then takes a right turn, drives 81 km, turns right and drives 80 km. He then takes a right turn and drives 90 km. He takes a final right turn, drives 2 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. 11 km to the south
 - ☒ B. 7 km to the north
 - ☒ C. 9 km to the north
 - ☒ D. 10 km to the south

Q.72 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right.

(Left) 9 8 7 4 5 2 5 3 8 4 3 6 2 1 5 7 9 3 1 5 7 4 6 2 3 7 4 (Right)

How many such odd 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. 4
 - ☒ C. 6
 - ☒ D. 3

Q.73 What should come in place of the question mark (?) in the given series?

16, 22, 34, 52, 76, ?

- Ans**
- ☐ A. 105
 - ☐ B. 104
 - ☐ C. 107
 - ☒ D. 106

Q.74 In a certain code language, 'PEARL' is coded as '18723' and 'PAYER' is coded as '82736'. What is the code for 'Y' in that language?

- Ans**
- ☐ A. 8
 - ☐ B. 2
 - ☒ C. 6
 - ☐ D. 3

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 its 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)

19 - 2 - 21

14 - 6 - 20

- Ans**
- ☒ A. 19 - 10 - 29
 - ☐ B. 30 - 11 - 43
 - ☐ C. 9 - 13 - 24
 - ☐ D. 15 - 4 - 21

Q.76 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

PGE 18, TEI 26, XCM 34, BAQ 42, ?

- Ans**
- ☐ A. FCV 52
 - ☐ B. GYV 50
 - ☐ C. FCU 52
 - ☒ D. FYU 50

Q.77 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KJN 72 RQU 63 YXB 54 FEI 45 ?

- Ans**
- ☐ A. MUD 35
 - ☐ B. MMO 36
 - ☐ C. MKO 35
 - ☒ D. MLP 36

Q.78 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$49 \div 5 + 153 \times 3 - 314 = ?$

- Ans**
- ☒ A. 508
 - ☐ B. 521
 - ☐ C. 512
 - ☐ D. 505

Q.79 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

WZX–ZCA

CFD–FIG

- Ans** ☒ A. DGE–GJH
☐ B. DGE–FJG
☐ C. DFC–FIG
☐ D. DFC–GJH

Q.80 What should come in place of the question mark (?) in the given series?

17 28 ? 50 61 72

- Ans** ☒ A. 39
☐ B. 36
☐ C. 31
☐ D. 40

Section : General Awareness and Current Affairs

Q.81 As of August 2025, who among the following was the Governor of the Reserve Bank of India?

- Ans** ☐ A. Dr. Nagesh Kumar
☐ B. Shri Saugata Bhattacharya
☒ C. Shri Sanjay Malhotra
☐ D. Dr. Poonam Gupta

Q.82 What was India's rank in the 2025 SDG Index released by the UN Sustainable Development Solutions Network?

- Ans** ☐ A. 78th
☒ B. 99th
☐ C. 87th
☐ D. 121st

Q.83 What is the name of India's first humanoid robot developed for space missions, announced in 2023?

- Ans** ☐ A. Suryamitra
☐ B. Vikram
☒ C. Vyommitra
☐ D. Aditya

Q.84 Who co-chaired the AI Action Summit held in Paris in February 2025?

- Ans** ☐ A. Chancellor Olaf Scholz and President Emmanuel Macron
☒ B. Prime Minister Narendra Modi and President Emmanuel Macron
☐ C. Prime Minister Rishi Sunak and President Emmanuel Macron
☐ D. Prime Minister Narendra Modi and President Joe Biden

Q.85 The 15th edition of the India-Vietnam Defence Policy Dialogue (DPD) was held in which of the following cities in November 2025?

- Ans** ☐ A. Pune
☒ B. Hanoi
☐ C. New Delhi
☐ D. Ho Chi Minh

Q.86 On which date is Birsa Munda Martyr's Day observed, as commemorated every year?

- Ans**
- ☐ A. 26th January
 - ☐ B. 5th November
 - ☒ C. 9th June
 - ☐ D. 15th August

Q.87 In 2025, India raised concerns with China regarding the construction of a major upstream hydropower project, urging protection of downstream rights. This project is being developed on which river?

- Ans**
- ☐ A. Sutlej
 - ☐ B. Indus
 - ☒ C. Brahmaputra
 - ☐ D. Kosi

Q.88 Which league launched in January 2025 featured international kabaddi teams and set up record-level participation?

- Ans**
- ☐ A. Indian Super Kabaddi
 - ☐ B. World Kabaddi League
 - ☒ C. Global Indian Pravasi Kabaddi League
 - ☐ D. Kabaddi Premier Series

Q.89 At which competition did Gurindervir Singh break the national 100 m record?

- Ans**
- ☐ A. South Asian Championships
 - ☐ B. Olympic Trials
 - ☐ C. Asian Games
 - ☒ D. Indian Grand Prix 1

Q.90 At the Bharat Climate Forum 2026, Shri C. P. Radhakrishnan stated that effective climate action can help India in which of the following?

- Ans**
- ☐ A. Focusing solely on fossil fuels
 - ☐ B. Limiting population growth
 - ☐ C. Reducing agricultural exports
 - ☒ D. Strengthening energy security

Q.91 Which significant new financial institution was launched in June 2025 to support India's maritime economy?

- Ans**
- ☐ A. Coastal Infrastructure Fund
 - ☐ B. India Marine Credit Bank
 - ☒ C. Sagarmala Finance Corporation Ltd.
 - ☐ D. Blue Economy Bank

Q.92 What is the name of the comprehensive strategic partnership treaty signed in January 2025, between Russia and Iran, covering defense, energy, cybersecurity and regional cooperation?

- Ans**
- ☐ A. Iranian-Russian Treaty on Coordination and Security Partnership
 - ☐ B. Iran-Russia Treaty on Business and Strategic Cooperation Treaty
 - ☒ C. Iranian-Russian Treaty on Comprehensive Strategic Partnership
 - ☐ D. Iran-Russia Treaty on Comprehensive Defence and Trade Partnership

- Q.93** Which data collection method contributed to the accurate poverty estimates in India, as per the SBI report in June 2025?
- Ans** ☒ A. Modified Mixed Recall Period
☐ B. Mixed Recall Period
☐ C. Uniform Recall Period
☐ D. Periodic Recall Method
- Q.94** Which tribal poet from Jharkhand received the Sahitya Akademi Yuva Puraskar in June 2025 for 'Phir Ugna'?
- Ans** ☐ A. Akhil P Dharmajan
☐ B. Kirtida Brahmhatt
☐ C. Mayur Khavdu
☒ D. Parvati Tirkey
- Q.95** What approximate percentage of the Union Budget 2025-26 was allocated to gender-specific schemes to address women's empowerment?
- Ans** ☐ A. 2.68%
☐ B. 4.56%
☐ C. 12.21%
☒ D. 8.86%
- Q.96** When did/will the new FASTag annual plan become effective in India?
- Ans** ☐ A. 1 September 2025
☒ B. 15 August 2025
☐ C. 26 November 2025
☐ D. 2 October 2025
- Q.97** In April 2025, at the National Federation Cup Athletics held at Maharaja's College Ground in Ernakulam, which Indian long jumper broke Anju Bobby George's 23-year-old national record with a jump of 6.64 m?
- Ans** ☐ A. Priyanka Goswami
☒ B. Shaili Singh
☐ C. Ancy Sojan
☐ D. D Sudha Singh
- Q.98** Who set a new world indoor 5000 m race walk record at the Italian Indoor Championships in Ancona (Feb 2025)?
- Ans** ☐ A. Toshikazu Yamanishi
☐ B. Matteo Giupponi
☐ C. Evan Dunfee
☒ D. Francesco Fortunato
- Q.99** In July 2025, the Union Environment Ministry notified the Environment Protection Rules, 2025, for which sites?
- Ans** ☒ A. Chemically Contaminated Sites
☐ B. Hilltop Sites
☐ C. Crowded Sites
☐ D. Tourist Sites

Q.100 At the World Governments Summit 2025 in Dubai, which of the following awards recognised pioneering government initiatives worldwide for innovation and social impact?

- Ans**
- ☐ A. Global Public Leadership Award
 - ☐ B. Smart Governance Achievement Award
 - ☒ C. Global Government Excellence Award
 - ☐ D. Government Innovation Excellence Award



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Tupudana
Test Date	04/02/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which one of the following is NOT a tissue?

- Ans
- ☒ A. Nerves
 - ☒ B. Blood
 - ☒ C. Red blood cells
 - ☒ D. Muscles

Q.2 Where are protons found in an atom?

- Ans
- ☒ A. Energy Levels
 - ☒ B. Nucleus
 - ☒ C. Electron Cloud
 - ☒ D. Orbitals

Q.3 When the terminal phosphate linkage in ATP is broken using water, the energy equivalent to ____ kJ/mol is released.

- Ans
- ☒ A. 30.5
 - ☒ B. 50
 - ☒ C. 5
 - ☒ D. 71.5

Q.4 What does variation within a species ensure?

- Ans
- ☒ A. No evolution
 - ☒ B. No mutations
 - ☒ C. Similar response to environmental changes
 - ☒ D. Better adaptability and chances of survival

Q.5 Which of the following statements is/are NOT true regarding the work done by a constant force acting on a body?

- (i) The work done by the force can never be negative.
- (ii) If the direction of the force and displacement of the body is same, the work done will be positive.
- (iii) The S.I. unit of work done is Pascal.

Ans ✓ A. Both (i) and (iii)

✗ B. Only (i)

✗ C. Both (ii) and (iii)

✗ D. Only (ii)

Q.6 What is typically involved in an addition reaction?

Ans ✗ A. Oxidation changes without new bonding

✗ B. Functional groups are replaced by others

✓ C. Atoms get added to unsaturated bonds

✗ D. Removal of atoms from molecules takes place

Q.7 Which of the following types of reactions is a neutralisation reaction?

Ans ✗ A. Single displacement

✗ B. Decomposition

✗ C. Combustion

✓ D. Double displacement

Q.8 Why does the temperature of ice remain constant during the melting of ice?

Ans ✗ A. Ice becomes denser

✓ B. Heat is used to break the bonds between molecules

✗ C. Ice absorbs heat but does not melt

✗ D. Ice reflects heat

Q.9 The sulphide ores of metals, which lie in the middle of activity series, are first converted to oxides. The necessary condition for this conversion is:

Ans ✓ A. presence of excess air

✗ B. presence of high temperature

✗ C. absence of oxygen

✗ D. presence of high pressure

Q.10 The sexually transmitted disease AIDS is caused by which of the following?

Ans ✗ A. Bacteria

✗ B. Protozoa

✗ C. Helminths

✓ D. Virus

Q.11 Rough endoplasmic reticulum (RER) bears ____ for protein synthesis, while smooth endoplasmic reticulum (SER) synthesizes ____.

Ans ✗ A. pores; RNA

✓ B. ribosomes; lipids

✗ C. lysosomes; DNA

✗ D. enzymes; sugars

Q.12 A girl clapped her hands near a cliff and heard the echo after 4 s. What is the distance of the cliff from the girl if the speed of the sound is taken as 320 m s^{-1} ?

- Ans**
- ☒ A. 640 m
 - ☐ B. 80 m
 - ☐ C. 320 m
 - ☐ D. 1280 m

Q.13 Which of the following statements is correct about the absolute refractive index?

- Ans**
- ☒ A. It is always greater than 1.
 - ☐ B. It is always negative.
 - ☐ C. It is always equal to 1.
 - ☐ D. It is always less than 1.

Q.14 What happens to the magnetic field strength produced by a circular coil if the number of turns (n) is increased while keeping the current constant?

- Ans**
- ☒ A. It becomes n times larger than for a single turn.
 - ☐ B. It only increases if the diameter is also increased.
 - ☐ C. It decreases inversely with n .
 - ☐ D. It remains the same as for a single turn.

Q.15 What does the presence of parallel straight magnetic field lines inside a solenoid indicate?

- Ans**
- ☐ A. The magnetic field is zero inside the solenoid
 - ☐ B. The magnetic field is non-uniform and changes at different points
 - ☒ C. The magnetic field is uniform inside the solenoid
 - ☐ D. The magnetic field is infinite inside the solenoid

Q.16 In uniform circular motion, the direction of velocity of an object is:

- Ans**
- ☒ A. Tangential to the circular path
 - ☐ B. Along the radius, away from the center
 - ☐ C. Along the radius, toward the center
 - ☐ D. Perpendicular to the axis of rotation

Q.17 The regular changes in the ovary and uterus during egg formation is called _____.

- Ans**
- ☐ A. fertilisation cycle
 - ☒ B. menstrual cycle
 - ☐ C. estrous cycle
 - ☐ D. circadian rhythm

Q.18 What is the best way to manage non-biodegradable waste such as plastic?

- Ans**
- ☐ A. Burn it in open air
 - ☒ B. Recycle and reuse it
 - ☐ C. Bury it in soil
 - ☐ D. Mix it with compost

Q.19 From a distance–time graph, an object moves from point A to point B, covering a distance ($s_2 - s_1$) in time ($t_2 - t_1$). Which of the following correctly represents the speed (v) of the object?

- Ans**
- ☐ A. $v = (s_2 - s_1)(t_2 - t_1)$
 - ☐ B. $v = (t_2 - t_1)/(s_2 - s_1)$
 - ☒ C. $v = (s_2 - s_1)/(t_2 - t_1)$
 - ☐ D. $v = (s_1 - s_2)(t_1 - t_2)$

Q.20 Which feature is common to all solids?

- Ans**
- ☐ A. Infinite expansion capability with added energy
 - ☐ B. Ability to flow like liquids in open containers
 - ☒ C. Definite volume and shape under normal conditions
 - ☐ D. Easily compressible structure when pressure applied

Q.21 According to Bohr's model of an atom, the 'M' shell is represented by the principal quantum number 'n' equal to:

- Ans**
- ☒ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 4

Q.22 How is the timely sowing of crops helpful for the farmer?

- Ans**
- ☐ A. It decreases crop yield.
 - ☐ B. It increases weed growth.
 - ☒ C. It avoids competition with weeds.
 - ☐ D. It attracts pests.

Q.23 Which of the following is NOT correct according to the sign convention for spherical lenses?

- Ans**
- ☒ A. Focal length of a convex lens is taken as negative.
 - ☐ B. Focal length of a concave lens is taken as negative.
 - ☐ C. Distances measured to the right of the optical centre are positive.
 - ☐ D. Object is always placed on the left of the lens.

Q.24 Which of the following is/are true about the acceleration due to gravity?

- (i) The value of acceleration due to gravity depends on the mass of the object falling under the effect of gravity.
(ii) The value of acceleration due to gravity is universally constant.

- Ans**
- ☐ A. Both (i) and (ii)
 - ☐ B. Only (ii)
 - ☒ C. Neither (i) nor (ii)
 - ☐ D. Only (i)

Q.25 In the reaction $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$, which substance is oxidised?

- Ans**
- ☐ A. Copper
 - ☐ B. Copper oxide
 - ☒ C. Hydrogen
 - ☐ D. Water

Section : Mathematics

Q.26 A car covers three successive 20 km distances at speeds of 10 km/hr, 20 km/hr and 40 km/hr, respectively. Its average speed (in km/hr) is:

- Ans**
- ☐ A. $15\frac{3}{7}$
 - ☐ B. $13\frac{2}{5}$
 - ☐ C. $19\frac{1}{5}$
 - ☒ D. $17\frac{1}{7}$

Q.27 An employee claims ₹20 for each kilometre when he travels by taxi and ₹10 for each kilometre if he travels by his own car. In one week, he claimed ₹2,200 for travelling 120 km. How many kilometres did he travel by taxi?

- Ans**
- ☐ A. 95
 - ☐ B. 80
 - ☐ C. 90
 - ☒ D. 100

Q.28 The sum of three numbers is 270. If the ratio of the second number to the first number is 2:12 and that of the third number to the second number is 5:10, then find the second number.

- Ans**
- ☐ A. 35
 - ☐ B. 37
 - ☒ C. 36
 - ☐ D. 34

Q.29 From the top of a 60 – metre – high tower, the angle of depression to is 30° . Find the distance from the tower to the car. (Use $\sqrt{3} = 1.7$)

- Ans**
- ☐ A. 118 m
 - ☐ B. 128 m
 - ☐ C. 98 m
 - ☒ D. 102 m

Q.30 The product of two numbers is 324 and their HCF is 3. Then their LCM will be:

- Ans**
- ☐ A. 36
 - ☐ B. 321
 - ☒ C. 108
 - ☐ D. 102

Q.31 The number of prime numbers lying between 376 and 384 is:

- Ans**
- ☒ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3

Q.32 $\frac{1}{30}$ is what percentage of $\frac{2}{60}$?

- Ans**
- ☐ A. 110%
 - ☐ B. 115%
 - ☒ C. 100%
 - ☐ D. 200%

Q.33 A, B and C can do a piece of work in 3, 6 and 6 days, respectively. How long (in days) will they take to do twice the same work, working together?

- Ans**
- ☒ A. 3
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 9

Q.34 By how much is 60% of 45 greater than $\frac{2}{5}$ of 15?

- Ans ☒ A. 21
☐ B. 19
☐ C. 18
☐ D. 15

Q.35 A car goes to a place at a speed of 24 km/hr and returns from there at a speed of 28 km/hr. The average speed (in km/hr, rounded off to 2 decimal places) of the car in the entire journey is:

- Ans ☐ A. 27.34
☐ B. 22.12
☐ C. 24.82
☒ D. 25.85

Q.36 In an election, there are two candidates. The winner obtains 49% votes of the total number of voters in the electoral list and defeats the other contestant by 120 votes. If 10% of the voters did not vote, find the total number of voters in the electoral list.

- Ans ☐ A. 1590
☐ B. 1420
☐ C. 1450
☒ D. 1500

Q.37 In a quadrilateral IJKL, $\angle I = 11^\circ$ and $\angle J = 79^\circ$. The bisectors of $\angle K$ and $\angle L$ meet at Z. What is the measure of $\angle LKZ$?

- Ans ☐ A. 31°
☐ B. 55°
☒ C. 45°
☐ D. 51°

Q.38 Find the single equivalent discount (rounded off to two decimal places) for successive discounts of 18%, 6% and 25%.

- Ans ☐ A. 42.89%
☐ B. 41.85%
☐ C. 42.07%
☒ D. 42.19%

Q.39 The ratio of numbers of girls and boys participating in sports of a school is 1 : 7. If the number of girls is 300, determine the number of boys participating in the sports.

- Ans ☐ A. 2120
☐ B. 2075
☐ C. 2130
☒ D. 2100

Q.40 A contractor employed 24 men to build a wall, and they completed the work in 12 days. After working together for 5 days, 6 men leave the job and do not return. How many days more will the remaining men take to complete the work?

- Ans**
- ☒ A. $10\frac{1}{2}$ days
 - ☒ B. $9\frac{1}{3}$ days
 - ☒ C. $9\frac{2}{3}$ days
 - ☒ D. $8\frac{2}{3}$ days

Q.41 The average of first 8 odd natural numbers, is:

- Ans**
- ☒ A. 7.5
 - ☒ B. 9
 - ☒ C. 8.5
 - ☒ D. 8

Q.42 The ratio of length, breadth and height of a cuboid box is in the ratio 5 : 4 : 4 while the areas of the three adjacent faces of a cuboidal box are 160 cm^2 , 64 cm^2 and 40 cm^2 , respectively. Find the lateral surface area of the box (in cm^2).

- Ans**
- ☒ A. 288
 - ☒ B. 396
 - ☒ C. 298
 - ☒ D. 306

Q.43 Find the simplified value of $(\sqrt{48} + \sqrt{75}) \div \sqrt{3}$.

- Ans**
- ☒ A. 7
 - ☒ B. 8
 - ☒ C. 10
 - ☒ D. 9

Q.44 If the length of a cuboid is 21 cm, breadth is 2 cm and the volume of the cuboid is 9198 cm^3 , then find the height of the cuboid.

- Ans**
- ☒ A. 223 cm
 - ☒ B. 219 cm
 - ☒ C. 212 cm
 - ☒ D. 228 cm

Q.45 A shopkeeper buys a toy for ₹388 and sells it for ₹485. Find his profit percentage.

- Ans**
- ☒ A. 25%
 - ☒ B. 19%
 - ☒ C. 8%
 - ☒ D. 12%

Q.46 The amount on a sum of ₹4,200 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☒ A. ₹5,102
 - ☒ B. ₹5,942
 - ☒ C. ₹5,082
 - ☒ D. ₹5,938

Q.47 Solve:
$$\frac{(6.9)^3 + (2.8)^3 + (6.3)^3 - 3 \times 6.9 \times 2.8 \times 6.3}{(6.9)^2 + (2.8)^2 + (6.3)^2 - 6.9 \times 2.8 - 2.8 \times 6.3 - 6.9 \times 6.3}$$

- Ans ☐ A. 12
☐ B. 18
☒ C. 16
☐ D. 14

Q.48 The average age of 48 students of a class is 19 years. If the age of the teacher is also included, the average age of the whole group becomes 20 years. The age (in years) of the teacher is:

- Ans ☐ A. 65
☒ B. 68
☐ C. 69
☐ D. 67

Q.49 If Akhil is as much older than Vijay as he is younger than Karthik, and sum of the ages of Vijay and Karthik is 84 years, then find the age of Akhil.

- Ans ☐ A. 40 years
☒ B. 42 years
☐ C. 44 years
☐ D. 46 years

Q.50 The marked price of a washing machine is ₹45,000. A shopkeeper allows a discount of 44% and gets a profit of 80%. What is the cost price of the washing machine?

- Ans ☐ A. ₹13,850
☒ B. ₹14,000
☐ C. ₹14,042
☐ D. ₹14,154

Section : General Intelligence and Reasoning

Q.51 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?

$$17 \text{ D } 4 \text{ B } 3 \text{ C } 54 \text{ A } 9 = ?$$

- Ans ☐ A. 14
☒ B. 11
☐ C. 12
☐ D. 13

Q.52 What should come in place of the question mark (?) in the given series?

$$18 \ 19 \ 23 \ 32 \ 48 \ ?$$

- Ans ☒ A. 73
☐ B. 85
☐ C. 75
☐ D. 83

Q.53 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. SPR
 ☐ B. FCG
 ☐ C. KHL
 ☐ D. WTX

Q.54 OILQ is related to SMPU in a certain way based on the English alphabetical order. In the same way, KEHM is related to OILQ. To which of the given options is TNQV related, following the same logic?

- Ans** ☐ A. XSUZ
 ☐ B. XRUY
 ☐ C. XSUY
 ☒ D. XRUZ

Q.55 Asim starts from Point A and drives 60 km towards the west. He then takes a right turn, drives 55 km, turns right and drives 64 km. He then takes a right turn and drives 71 km. He takes a final right turn, drives 4 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. 16 km to the north
 ☐ B. 17 km to the south
 ☐ C. 18 km to the south
 ☐ D. 15 km to the north

Q.56 What should come in place of the question mark (?) in the given series?

12 18 6 24 ? 30

- Ans** ☒ A. 0
 ☐ B. 36
 ☐ C. 25
 ☐ D. 48

Q.57 Refer to the following series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 1 7 8 7 4 3 8 5 7 5 2 9 5 3 2 3 2 1 6 1 7 7 5 2 3 1 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☐ A. 6
 ☐ B. 5
 ☐ C. 3
 ☒ D. 4

Q.58 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?

QRP 64 STR 54 UVT 44 WXV 34 ?

- Ans ☒ A. YYW 23
☒ B. YZX 24
☒ C. YAW 24
☒ D. YGP 23

Q.59 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☒ A. MQ-QX
☒ B. FJ-KO
☒ C. BF-GK
☒ D. KO-PT

Q.60 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

INKS - KINS - SKNI
READ - ARED - DAER

- Ans ☒ A. PLAY - LPAY - YLAP
☒ B. HOME - MHOE - EMOH
☒ C. FROM - FORM - MORF
☒ D. TOMB - MTOB - OMBT

Q.61 Ashish starts from Point K and drives 12 km towards the east. He then takes a right turn; drives 10 km; turns left and drives 3 km. He then takes a right turn and drives 5 km. He then takes a right turn and drives 18 km. He takes a final right turn; drives 15 km and stops at Point Z. How far (shortest distance) and in which direction is Point Z with respect to Point K?

(All turns are 90 degree turns only unless specified.)

- Ans ☒ A. 6 km towards east
☒ B. 3 km towards south
☒ C. 6 km towards north
☒ D. 3 km towards west

Q.62 In a certain code language, 'LEASK' is coded as '76432' and 'KASEY' is coded as '46837'. What is the code for 'L' in that language?

- Ans ☒ A. 4
☒ B. 3
☒ C. 7
☒ D. 2

Q.63 In a certain code language, 'time heals wound' is coded as 'dj yk eb' and 'let time reveal' is coded as 'fx ov yk'. How is 'time' coded in that language?

- Ans ☒ A. dj
☒ B. yk
☒ C. fx
☒ D. ov

Q.64 Refer to the given series and answer the question that follows. All numbers are single digit numbers only. Counting to be done from left to right.

(Left) 6 2 5 6 9 1 6 7 6 3 4 7 9 3 7 7 4 5 7 7 6 3 5 6 5 1 3 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans ☒ A. 4

☐ B. 3

☐ C. 6

☐ D. 5

Q.65 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 716324598, what will be the sum of all the odd digits in the new number thus formed?

Ans ☐ A. 26

☐ B. 22

☒ C. 24

☐ D. 20

Q.66 A, B, C, D, N, O and P are sitting in a straight line, facing north.
Only two people sit between D and P. Only C sits to the right of O. Only one person sits between P and O. A sits at some place to the right of N but at some place to the left of B.
How many people sit between B and N?

Ans ☐ A. Four

☒ B. Two

☐ C. One

☐ D. Three

Q.67 XD 15 is related to BG 20 in a certain way. In the same way, MT 25 is related to QW 30. To which of the given options is LR 10 related, following the same logic?

Ans ☐ A. QW 15

☒ B. PU 15

☐ C. MS 15

☐ D. PV 10

Q.68 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$8 - 7 \div 39 \times 13 + 12 = ?$$

Ans ☒ A. 17

☐ B. 15

☐ C. 14

☐ D. 16

- Q.69** 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:

All peas are carrots.
All carrots are turnips.

Conclusions:

(I) Some turnips are carrots.
(II) All peas are turnips.

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

- Q.70** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DER UVI LMZ CDQ ?

- Ans** ☐ A. THI
☐ B. THU
☒ C. TUH
☐ D. TIH

- Q.71** Seven people (A, B, C, D, E, F and G) are sitting around a circular table, facing towards the centre.
C is an immediate neighbour of both A and D. B sits to the immediate left of D. A sits second to the left of F. G is an immediate neighbour of both B and F.
Who is sitting to the immediate right of A?

- Ans** ☐ A. B
☐ B. F
☐ C. G
☒ D. E

- Q.72** In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K + T & RxZ - V'?

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

Q.73 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 6, 11)

(24, 15, 20)

- Ans**
- ☐ A. (18, 9, 4)
 - ☐ B. (23, 14, 9)
 - ☐ C. (19, 28, 33)
 - ☒ D. (16, 7, 12)

Q.74 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 conclusion(s) logically follow(s) from the statements.

Statements:

All hats are mats.

All hats are cats.

All dogs are cats.

Conclusions:

(I) All dogs are mats.

(II) Some cats are mats.

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

Q.75 In a row of 47 people facing north, Umesh is 15th from the right end. If Ketan sits 19th to the left of Umesh, what is Ketan's position from the left end of the line?

- Ans**
- ☒ A. 14th
 - ☐ B. 16th
 - ☐ C. 15th
 - ☐ D. 13th

Q.76 Mr. Zzz ranked 14th from the top and 67th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 86
 - ☐ B. 89
 - ☐ C. 85
 - ☒ D. 80

Q.77 What should come in place of the question mark (?) in the given series?

20 32 46 62 80 ?

- Ans**
- ☒ A. 100
 - ☐ B. 98
 - ☐ C. 105
 - ☐ D. 106

Q.78 Refer to the given series and answer the question that follows (All numbers are single digit numbers only.) Counting to be done from left to right.

(Left) 5 8 5 6 1 8 6 8 5 1 5 8 8 9 4 1 6 1 8 4 2 5 4 3 2 1 2 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

- Ans** ☒ A. eight
☐ B. four
☐ C. five
☐ D. three

Q.79 A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits second to the left of E. D is an immediate neighbour of B. A sits to the immediate left of B. C sits second to the right of E. F sits to the immediate left of C. What is the position of A with respect to F?

- Ans** ☐ A. Immediate right
☒ B. Second to the right
☐ C. Immediate left
☐ D. Second to the left

Q.80 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 1 4 * @ 9 & & £ \$ 7 2 8 & 9 5 £ £ # 6 * 1 % (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans** ☐ A. 2
☐ B. 4
☐ C. 5
☒ D. 3

Section : General Awareness and Current Affairs

Q.81 The inaugural Fit India Carnival, a three-day celebration of fitness and wellness, was held in March 2025. In which city did this pioneering event take place?

- Ans** ☐ A. Chennai
☐ B. Bengaluru
☒ C. New Delhi
☐ D. Mumbai

Q.82 Which cricketer earned the prestigious title of ICC Men's Test Cricketer of the Year for 2024?

- Ans** ☐ A. Rohit Sharma
☐ B. Virat Kohli
☒ C. Jasprit Bumrah
☐ D. Ravichandran Ashwin

Q.83 In July 2025, which global insurance giant entered into a binding agreement with Jio Financial Services to form a 50:50 reinsurance joint venture?

- Ans** ☐ A. American International Group (AIG)
☒ B. Allianz Group
☐ C. Zurich Insurance Group
☐ D. Generali Group

Q.84 In June 2025, who set a new world record of 6.28 m in the men's pole vault at the 2025 Stockholm Diamond League?

- Ans**
- ☐ A. Kurtis Marschall
 - ☒ B. Armand Duplantis
 - ☐ C. Sam Kendricks
 - ☐ D. Emmanouil Karalis

Q.85 In June 2025, which disease was officially declared eliminated in India by the World Health Organization (WHO), marking a major public health milestone?

- Ans**
- ☐ A. Kala-azar
 - ☐ B. Lymphatic Filariasis
 - ☒ C. Trachoma
 - ☐ D. Yaws

Q.86 From 1 August 2025, what is the new minimum average monthly balance (MAB) ICICI Bank requires for savings accounts in metro and urban areas for new customers?

- Ans**
- ☐ A. ₹10,000
 - ☒ B. ₹15,000
 - ☐ C. ₹25,000
 - ☐ D. ₹75,000

Q.87 The National Tourism Day was celebrated in India on which date in 2025?

- Ans**
- ☐ A. 24 May 2025
 - ☐ B. 24 February 2025
 - ☒ C. 25 January 2025
 - ☐ D. 24 June 2025

Q.88 Which of the following national parks was highlighted in 2025 as a leading grassland bird habitat after its inaugural survey recorded 43 grassland bird species (including Finn's Weaver and Bengal Florican)?

- Ans**
- ☒ A. Kaziranga National Park
 - ☐ B. Keoladeo National Park
 - ☐ C. Dudhwa National Park
 - ☐ D. Desert National Park

Q.89 In which Union Budget was the Prime Minister Dhan-Dhaanya Krishi Yojana announced by the Government of India?

- Ans**
- ☒ A. 2025-2026
 - ☐ B. 2020-2021
 - ☐ C. 2023-2024
 - ☐ D. 2018-2019

Q.90 Which swimmer set multiple WRs in the 400 m freestyle, 200 m IM, and 400 m IM during the World Short Course Swimming Championships in Budapest, Hungary, 2024?

- Ans**
- ☐ A. Katie Ledecky
 - ☐ B. Ariarne Titmus
 - ☐ C. Katinka Hosszú
 - ☒ D. Summer McIntosh

Q.91 Which of the following organizations released the report titled the State of World's Forests, 2025, in May 2025?

- Ans**
- ✓ A. FAO
 - ✗ B. UNEP
 - ✗ C. WWF
 - ✗ D. IUCN

Q.92 Which of the following associations organised the 2nd Federation Gatka Cup 2025 in Bengaluru in November 2025?

- Ans**
- ✓ A. National Gatka Association of India
 - ✗ B. Indian Gatka and Martial Arts Federation
 - ✗ C. Federation of Traditional Indian Sports
 - ✗ D. All India Sports and Martial Arts Council

Q.93 In October 2024, which state government launched India's first integrated state-level Cyber Command and Control Centre to serve as a comprehensive hub for handling grievances through multiple channels, including a helpline, web portal and mobile app?

- Ans**
- ✗ A. Gujarat
 - ✗ B. Kerala
 - ✓ C. Maharashtra
 - ✗ D. Chhattisgarh

Q.94 Which of the following political parties won the most seats in the 2025 Bihar Legislative Assembly election?

- Ans**
- ✗ A. Rashtriya Janata Dal
 - ✗ B. Indian National Congress
 - ✗ C. Janata Dal (United)
 - ✓ D. Bharatiya Janata Party

Q.95 In September 2025, what move did Karnataka take to address unemployment by building future-ready workforce capacity?

- Ans**
- ✗ A. Reservation policy mandating jobs only for Karnataka residents
 - ✗ B. International scholarship scheme for student internships abroad
 - ✓ C. State Skill Development Policy using digital and inclusive training tools
 - ✗ D. Sectoral incentive plan focusing mainly on agriculture and handicrafts

Q.96 The new logo unveiled by the Ministry of Statistics & Programme Implementation (MoSPI) conveys which core theme that highlights the importance of official statistics in national progress?

- Ans**
- ✗ A. Economic Resurgence
 - ✓ B. Data for Development
 - ✗ C. Digital India
 - ✗ D. Public Service Delivery

Q.97 Which of the following international organizations was founded in 1945 to promote peace, security and cooperation among countries worldwide?

- Ans**
- ✓ A. United Nations (UN)
 - ✗ B. International Monetary Fund (IMF)
 - ✗ C. North Atlantic Treaty Organization (NATO)
 - ✗ D. World Trade Organization (WTO)

Q.98 In the 2025 Uttarakhand flash flood that occurred on 5 August 2025, which Himalayan village on the route to Gangotri Dham was devastated by a torrent of water, mud and debris?

- Ans**
- ☐ A. Joshimath in Chamoli district, Uttarakhand
 - ☐ B. Rudraprayag in Rudraprayag district, Uttarakhand
 - ☐ C. Balta in Almora district, Uttarakhand
 - ☒ D. Dharali in Uttarkashi district, Uttarakhand

Q.99 In May 2025, which state / union territory government mandated rooftop sprinkler systems on high-rise buildings?

- Ans**
- ☐ A. Telangana
 - ☐ B. Andhra Pradesh
 - ☒ C. Delhi
 - ☐ D. Haryana

Q.100 Which of the following Indian Army regiments participated in the Mitra Shakti-2025 exercise?

- Ans**
- ☐ A. Sikh Regiment
 - ☒ B. Rajput Regiment
 - ☐ C. Gorkha Regiment
 - ☐ D. Garhwal Regiment



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Ramakrishna Colony
Test Date	05/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Inside the lungs, rapid exchange of gases takes place between the air and the blood. Which type of epithelial tissue helps in this process?

- Ans ☒ A. Stratified squamous epithelium
☒ B. Cuboidal epithelium
☒ C. Simple squamous epithelium
☒ D. Ciliated columnar epithelium

Q.2 Which of the following is an example of a cyclic hydrocarbon?

- Ans ☒ A. Ethene
☒ B. Cyclohexane
☒ C. Butane
☒ D. Methane

Q.3 Which of the following statements is true about the potential energy?

- Ans ☒ A. It depends on the object's motion.
☒ B. It is energy stored due to position or condition.
☒ C. It is only present when an object is moving.
☒ D. It cannot be converted into other forms of energy.

Q.4 Which of the following statements is correct regarding the female reproductive system?

- Ans ☒ A. A girl starts producing eggs only after she reaches puberty.
☒ B. The fallopian tubes carry the egg from the ovary to the uterus.
☒ C. The uterus produces eggs that travel through the vagina.
☒ D. The cervix connects the ovaries to the uterus.

Q.5 A convex lens forms an image of an object placed 30 cm away. The image is formed at 60 cm on the other side. The magnification is:

- Ans ☒ A. -2
☒ B. +2
☒ C. -1/2
☒ D. +1/2

Q.6 Which statement is correct about magnetic field lines?

- Ans**
- ✓ A. They never intersect each other.
 - ✗ B. They start from the south pole.
 - ✗ C. They can intersect at the poles.
 - ✗ D. They form random curves.

Q.7 Which of the following correctly represents the sequence of colours observed on the screen when white light passes through a prism in its standard orientation?

- Ans**
- ✗ A. ROYGBIV
 - ✗ B. BYVROIG
 - ✓ C. VIBGYOR
 - ✗ D. GYORVIB

Q.8 Identify the correct matches mentioned in column A with column B.

Column A	Column B
(p) Sepal and petal	(i) Reproductive part
(q) Stamen and pistil	(ii) Accessory part
(r) Stigma	(iii) Stamen
(s) Pollen grain	(iv) Pistil

- Ans**
- ✓ A. p – ii, q – i, r – iv, s – iii
 - ✗ B. p – i, q – ii, r – iii, s – iv
 - ✗ C. p – iii, q – i, r – iv, s – ii
 - ✗ D. p – iv, q – iii, r – ii, s – i

Q.9 When an iron nail is placed in copper sulphate solution, what is observed?

- Ans**
- ✗ A. Hydrogen gas is evolved.
 - ✗ B. No reaction occurs.
 - ✓ C. Iron dissolves and copper deposits on the nail.
 - ✗ D. Copper dissolves and iron deposits on the nail.

Q.10 A botanist observes a plant exhibiting rapid growth at its shoot tip. Which type of plant tissue is most likely responsible for this growth?

- Ans**
- ✗ A. Lateral meristem
 - ✗ B. Permanent tissue
 - ✗ C. Intercalary meristem
 - ✓ D. Apical meristem

Q.11 Rabi crops are harvested in which season?

- Ans**
- ✓ A. Summer
 - ✗ B. Monsoon
 - ✗ C. Winter
 - ✗ D. Autumn

Q.12 Plastids are easily observed under a microscope because:

- Ans**
- ✗ A. they contain DNA
 - ✗ B. they are very small
 - ✓ C. they are large and contain pigments
 - ✗ D. they are colourless

Q.13 Which of the following does NOT represent a pair of isotopes?

- Ans ☐ A. $^{35}_{17}\text{Cl}$ & $^{37}_{17}\text{Cl}$
☒ B. $^{35}_{17}\text{Cl}$ & $^{38}_{17}\text{Cl}$
☐ C. ^1_1H & ^2_1H
☐ D. ^3_1H & ^2_1H

Q.14 Which of the following is true about the homologous series?

- Ans ☐ A. All members have the same molecular weight.
☐ B. All members have the same boiling point.
☒ C. Each successive member differs by $-\text{CH}_2-$ group.
☐ D. All members have different functional groups.

Q.15 A ball is dropped from rest. What will be the velocity of the ball after falling 20 m?
(Take, $g = 10 \text{ m/s}^2$)

- Ans ☐ A. 10.0 m/s
☐ B. 40.0 m/s
☒ C. 20.0 m/s
☐ D. 50.0 m/s

Q.16 What are the primary products formed during the complete combustion of most carbon compounds?

- Ans ☒ A. Carbon dioxide, water, and energy
☐ B. Carbon monoxide and water
☐ C. Alcohols and carboxylic acids
☐ D. Soot and carbon dioxide

Q.17 Which of the following is a characteristic of liquids?

- Ans ☒ A. No fixed shape but fixed volume
☐ B. Fixed shape but variable volume
☐ C. No fixed shape or volume
☐ D. Fixed shape and volume

Q.18 Which of the following is a neutralisation reaction?

- Ans ☐ A. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$
☒ B. $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
☐ C. $\text{Zn} + \text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$
☐ D. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

Q.19 Which part of Bryophyllum develops new plantlets for vegetative propagation?

- Ans ☐ A. Root
☒ B. Leaf margin
☐ C. Stem
☐ D. Flower

Q.20 To hear a distinct echo, what should be the minimum time interval between the original sound and the reflected sound?

- Ans ☐ A. 0.2 s
☐ B. 1.0 s
☐ C. 0.01 s
☒ D. 0.1 s

Q.21 If the acceleration of a body is halved and mass remains constant, the force will _____.

- Ans**
- ☒ A. Double
 - ☒ B. Halve
 - ☒ C. Become zero
 - ☒ D. Remain the same

Q.22 Which of the following combinations will consume more electrical power if connected to the same voltage source?

- Ans**
- ☒ A. Lower resistance
 - ☒ B. Zero resistance
 - ☒ C. Higher resistance
 - ☒ D. Equal resistance

Q.23 Which activity of insects directly causes the loss of plant nutrients?

- Ans**
- ☒ A. Sucking the cell sap
 - ☒ B. Boring into the soil
 - ☒ C. Laying eggs on the plant
 - ☒ D. Eating only fallen leaves

Q.24 Which of the following statements about average velocity is NOT correct?

- Ans**
- ☒ A. It is always the same as average speed.
 - ☒ B. It is the total displacement divided by total time.
 - ☒ C. It depends on the direction of motion.
 - ☒ D. It is measured in m/s.

Q.25 A characteristic of a colloidal solution is that:

- Ans**
- ☒ A. it is an azeotrope
 - ☒ B. it is an ideal solution
 - ☒ C. it is a homogeneous mixture
 - ☒ D. it is a heterogeneous mixture

Section : Mathematics

Q.26 Find the simple interest (in ₹) on ₹2,000 at 7% per annum rate of interest for the period from 8 February 2023 to 22 April 2023.

- Ans**
- ☒ A. 29
 - ☒ B. 27
 - ☒ C. 26
 - ☒ D. 28

Q.27 In a race, an athlete covers a distance of 390 m in 65 sec in the first lap. He covers the second lap of the same length in 195 sec. What is the average speed (in m/sec) of the athlete?

- Ans**
- ☒ A. 1
 - ☒ B. 9
 - ☒ C. 3
 - ☒ D. 12

Q.28 P and Q together can fill a cistern with water in 12 hours. If P alone can fill the cistern with water in 21 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans**
- ☐ A. 8
 - ☒ B. 7
 - ☐ C. 14
 - ☐ D. 15

Q.29 Suman, Tariq and Neha invest sums in the ratio 8 : 25 : 15, respectively. If they earned a total profit of ₹44,544 at the end of the year, then what is the positive difference between the shares of Suman and Neha?

- Ans**
- ☐ A. ₹6,493
 - ☐ B. ₹6,497
 - ☐ C. ₹6,498
 - ☒ D. ₹6,496

Q.30 A total profit of ₹28,800 is to be distributed amongst P, Q and R such that P : Q = 17 : 5 and Q : R = 6 : 12. The share (in ₹) of Q in the profit is:

- Ans**
- ☐ A. 4,400
 - ☒ B. 4,500
 - ☐ C. 4,650
 - ☐ D. 4,600

Q.31 The sides of a triangle are in the ratio 3 : 4 : 5. A square has its perimeter equal to the perimeter of the triangle. If the difference between their areas is 48 cm², find the perimeter of the triangle.

- Ans**
- ☐ A. 42 cm
 - ☐ B. 56 cm
 - ☐ C. 52 cm
 - ☒ D. 48 cm

Q.32 The number of prime numbers between 368 and 376 is:

- Ans**
- ☐ A. 3
 - ☐ B. 2
 - ☐ C. 0
 - ☒ D. 1

Q.33 A cricketer has an average of 77 runs over 12 innings. If he scores 266 runs in the 13th inning, by how many runs (rounded off to the nearest whole number) does his average score increase?

- Ans**
- ☐ A. 19
 - ☐ B. 9
 - ☒ C. 15
 - ☐ D. 6

Q.34 What price should Kunal mark on a hoodie which cost him ₹8,400, so as to gain 25% after allowing successive discounts of 20% and 25%?

- Ans**
- ☐ A. ₹17,648
 - ☒ B. ₹17,500
 - ☐ C. ₹17,676
 - ☐ D. ₹17,509

Q.35 Two trains, X and Y, are running along parallel tracks towards each other. The length of train X is 150 m, and the length of train Y is 250 m. Train X is running at a speed of 60 km/hr, and train Y is running at a speed of 90 km/hr. How much time will it take for train X to cross train Y?

- Ans** ☒ A. 9.6 seconds
☒ B. 10.6 seconds
☒ C. 8.6 seconds
☒ D. 7.6 seconds

Q.36 If $5^{x+1} = 1$, what is the value of x?

- Ans** ☒ A. -1
☒ B. 1
☒ C. 0
☒ D. -5

Q.37 A metallic cylindrical tube is open at both ends. The external diameter of the tube is 12 cm, and its length is 63 cm. The thickness of the metal tube everywhere is 0.4 cm. What is the total surface area (in cm^2) of the tube?

(Take $\pi = \frac{22}{7}$, and round off the answer to the nearest multiple of 5.)

- Ans** ☒ A. 4630
☒ B. 4625
☒ C. 4620
☒ D. 4615

Q.38 The arithmetic mean of the observations 25, 92, 48, 17, 38, 93, 37, 90 and 73 is:

- Ans** ☒ A. 55
☒ B. 58
☒ C. 67
☒ D. 57

Q.39 If $x + 6$ is the HCF of $x^2 + 10x + 24$ and $x^2 + kx + 12$, then the value of k is:



- Ans** ☒ A. 6
☒ B. -8
☒ C. 8
☒ D. -6

Q.40 The value of $\frac{3}{4}(\sin^2 3x - \tan^2 3x) + \frac{3}{4}(\cos^2 3x + \sec^2 3x)$ is ____.

- Ans** ☒ A. 0.5
☒ B. 1
☒ C. 1.5
☒ D. 0.75

Q.41 A sells to B at 20% profit, B sells to C at 25% loss, C sells to D at 40% profit. D pays ₹252. How much did A pay originally?

- Ans** ☒ A. ₹210
☒ B. ₹180
☒ C. ₹200
☒ D. ₹175

Q.42 Evaluate: $3^5 \times 7^5 \div 21^3$

- Ans ☒ A. 441
☐ B. 541
☐ C. 21
☐ D. 341

Q.43 Sarah's age is 5 years more than twice her sister Emma's age. If the sum of their ages is 29 years, how old is Sarah?

- Ans ☐ A. 23 years
☐ B. 18 years
☒ C. 21 years
☐ D. 26 years

Q.44 There were two candidates in an election. One candidate got 28% of the total valid votes and lost by 13,200 votes. Find the total number of valid votes.

- Ans ☐ A. 50,000
☒ B. 30,000
☐ C. 40,000
☐ D. 60,000

Q.45 A cistern has a hole in the bottom through which water is leaking. A tap can fill the cistern in 3 hours and the hole in the bottom can empty the fully filled cistern in 5 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

- Ans ☐ A. 5.6 hours
☒ B. 7.5 hours
☐ C. 8 hours
☐ D. 12.8 hours

Q.46 After allowing a discount of 75% on the marked price of an article, it is sold for ₹69,356. Find its marked price (in ₹).

- Ans ☐ A. 2,77,339
☐ B. 2,77,431
☒ C. 2,77,424
☐ D. 2,77,594

Q.47 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 33^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 3 : 8, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans ☒ A. 30°
☐ B. 32°
☐ C. 34°
☐ D. 26°

Q.48 In a test, B got 50 marks while A got 75 marks, out of 115 maximum marks. What percentage of A's marks was B's marks? (Round off your answer to two decimal places.)

- Ans ☒ A. 66.67%
☐ B. 150.24%
☐ C. 115.32%
☐ D. 65.22%

Q.49 In a region 86% of registered voters participated in voting. If the total registered voters are 18,000 in that region, then how many voters participated in voting?

- Ans**
- ☐ A. 15,490 voters
 - ☐ B. 18,000 voters
 - ☒ C. 15,480 voters
 - ☐ D. 15,080 voters

Q.50 The sum of two numbers is 86 and their difference is 12. Find the product of the two numbers.

- Ans**
- ☐ A. 1613
 - ☒ B. 1813
 - ☐ C. 1713
 - ☐ D. 1913

Section : General Intelligence and Reasoning

Q.51 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 9 2 4 6 8 9 4 3 2 8 3 8 4 6 5 1 2 8 4 7 2 8 5 7 3 7 4 8 7 (Right)

How many 8's are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans**
- ☒ A. More than three
 - ☐ B. Two
 - ☐ C. Three
 - ☐ D. One

Q.52 What should come in place of the question mark (?) in the given series?

17 32 49 68 89 ?

- Ans**
- ☐ A. 109
 - ☒ B. 112
 - ☐ C. 114
 - ☐ D. 111

Q.53 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CAR GYV KWZ OUD ?

- Ans**
- ☐ A. TRG
 - ☒ B. SSH
 - ☐ C. RSI
 - ☐ D. STG

Q.54 RIVK is related to BSFU in a certain way based on the English alphabetical order. In the same way, FWJY is related to PGTI. To which of the following options is JANC related, following the same logic?

- Ans**
- ☒ A. TKXM
 - ☐ B. TXDE
 - ☐ C. TMXD
 - ☐ D. TMKI

Q.55 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 letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☒ A. UX-XD
☐ B. DG-HK
☐ C. FI-JM
☐ D. SV-WZ

Q.56 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

35 - 7 - 5
60 - 6 - 10

- Ans** ☐ A. 40 - 5 - 9
☒ B. 63 - 7 - 9
☐ C. 12 - 4 - 2
☐ D. 81 - 7 - 8

Q.57 If 'P' stands for 'x', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '÷', what will come in place of the question mark (?) in the following equation?

(9 Q 3) P 8 S (72 Q 12) P 7 R 15 P 3 = ?

- Ans** ☐ A. 44
☒ B. 21
☐ C. 39
☐ D. 12

Q.58 What should come in place of the question mark (?) in the following series?

1 11 31 61 ? 151

- Ans** ☐ A. 91
☒ B. 101
☐ C. 121
☐ D. 111

Q.59 Six boxes, L, M, N, O, P and Q, are stacked vertically. Q is placed at the topmost position. N is placed immediately below P. M is placed immediately above P. L is placed second from the bottom. Which box is placed at the bottommost position?

- Ans** ☐ A. N
☒ B. O
☐ C. M
☐ D. P

- Q.60** 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 bells are pots.
All pots are machines.

Conclusions:

(I): Some bells are machines.

(II): All machines are pots

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

- Q.61** M, N, O, P, Q and R are sitting around a circular table facing the centre. P is an immediate neighbour of both N and Q. M is sitting second to the right of Q. R is an immediate neighbour of both M and N. What is the position of Q with respect to P?

- Ans** ☐ A. Second to the right
☐ B. Third to the left
☐ C. Immediate left
☒ D. Immediate right

- Q.62** Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right.

(Left) 3 8 1 5 7 2 9 4 6 3 7 2 8 1 5 9 4 6 8 2 7 3 9 1 6 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans** ☐ A. Five
☒ B. Three
☐ C. Two
☐ D. Four

- Q.63** 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?

99 A 9 C 12 B 3 D 7 = ?

- Ans** ☐ A. 50
☐ B. 45
☐ C. 35
☒ D. 40

- Q.64** Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the left of C. Only four people sit between C and A. Only three people sit to the right of G. E sits to the immediate left of B. F is not an immediate neighbour of G. How many people sit to the right of D?

- Ans** ☐ A. 4
☐ B. 3
☐ C. 1
☒ D. 2

Q.65 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 7 5 2 4 9 5 3 8 9 1 2 6 6 6 8 4 5 3 9 1 7 9 8 6 3 6 9 (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. 3

☐ B. 5

☐ C. 2

☐ D. 4

Q.66 Mr. Akai starts from Point A and drives 9 km towards west. He then takes a left turn, drives 9 km, turns left and drives 17 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 8 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. 9 km to the south

☐ B. 12 km to the north

☐ C. 12 km to the east

☐ D. 9 km to the north

Q.67 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?

14 P 4 S (16 Q 4) P 9 R (60 Q 6) P 7 S 20 = ?

Ans ☐ A. 36

☐ B. 58

☒ C. 42

☐ D. 65

Q.68 Aditi ranked 8th from the top and 25th from the bottom in her class. How many students are there in the class?

Ans ☒ A. 32

☐ B. 30

☐ C. 31

☐ D. 29

Q.69 In a certain code language, 'what are those' is written as 'np tr sq' and 'take those gifts' is coded as 'hk my tr'. How is 'those' coded in that language?

Ans ☐ A. np

☐ B. my

☒ C. tr

☐ D. hk

Q.70 In a certain code language,
'A ± B' means 'A is the wife of B',
'A * B' means 'A is the daughter of B',
'A ₹ B' means 'A is the father of B' and
'A # B' means 'A is the brother of B'.

How is D related to O if 'D * R ± A ₹ C # O'?

Ans ☒ A. Sister

☐ B. Daughter

☐ C. Mother

☐ D. Wife

Q.71 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YCG-FJN
OSW-VZD

- Ans**
- ☐ A. GJM-MQU
 - ☒ B. GKO-NRV
 - ☐ C. GKO-MRU
 - ☐ D. GJM-NRV

Q.72 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 conclusion(s) logically follow/s from the given statements.

Statements: All pots are mats. Some mats are hats. All hats are cats.

Conclusions I: All cats are mats

Conclusions II: Some cats are pots.

- 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.73 Arvind starts from Point K and drives 10 km towards the west. He then takes a left turn; drives 8 km; turns left and drives 4 km. He then takes a right turn and drives 4 km. He then takes a left turn and drives 6 km. He takes a final left turn; drives 8 km and stops at Point Y. How far (shortest distance) and in which direction is Point Y with respect to Point K?

(All turns are 90 degree turns only unless specified.)

- Ans**
- ☒ A. 4 km towards south
 - ☐ B. 8 km towards north
 - ☐ C. 4 km towards west
 - ☐ D. 8 km towards east

Q.74 AZXT is related to XWUQ in a certain way based on the English alphabetical order. In the same way, VUSO is related to SRPL. To which of the given options is TSQM related, following the same logic?

- Ans**
- ☐ A. QQMS
 - ☐ B. QOMJ
 - ☒ C. QPNJ
 - ☐ D. QPMJ

Q.75 What should come in place of the question mark (?) in the given series?

445 440 450 444 454 447 ?

- Ans**
- ☐ A. 456
 - ☒ B. 457
 - ☐ C. 454
 - ☐ D. 458

Q.76 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. HLM
 - ☐ B. SWX
 - ☐ C. UYZ
 - ☒ D. ZEE

Q.77 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XVX 49 AYA 41 DBD 33 GEG 25 ?

- Ans**
- ☐ A. JGI 16
 - ☐ B. JII 17
 - ☐ C. JNS 16
 - ☒ D. JHJ 17

Q.78 In a certain code language, 'cute red flowers' is coded as 'by gh cf' and 'nice red dress' is coded as 'jk bt gh'. How is 'red' coded in that language? (All codes are two-letter codes.)

- Ans**
- ☐ A. by
 - ☐ B. jk
 - ☐ C. cf
 - ☒ D. gh

Q.79 A, B, C, D, E and F are sitting around a circular table facing the centre. A sits third to the right of F. B sits second to the left of C. D sits third to the right of C. E sits to the immediate left of A. How many people sit between E and D when counted from the left of D?

- Ans**
- ☐ A. Four
 - ☒ B. One
 - ☐ C. None
 - ☐ D. Two

Q.80 Refer to the following number series and answer the question that follows. Counting to be done from left to right. (All numbers are single-digit numbers only.)

(Left) 1 7 6 2 9 4 3 8 5 2 6 3 7 8 9 2 5 1 4 7 6 3 2 9 5 4 1 8 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- Ans**
- ☐ A. Two
 - ☒ B. Three
 - ☐ C. One
 - ☐ D. Four

Section : General Awareness and Current Affairs

Q.81 In May 2025, the RBI introduced a new Payments Regulatory Board of how many members to regulate and supervise payment systems in the country?

- Ans**
- ☐ A. 8
 - ☒ B. 6
 - ☐ C. 4
 - ☐ D. 10

Q.82 The revised roadmap released in June 2025 for the National Mission for Green India (GIM) places special emphasis on ecological restoration in which of the following critical regions?

- Ans**
- ☐ A. Thar Desert and Eastern Ghats
 - ☒ B. Aravalli Range, Western Ghats, Himalayas, and mangroves
 - ☐ C. Deccan Plateau and Andaman Islands
 - ☐ D. Central Indian Highlands and Sundarbans

Q.83 What is the overdue limit for microfinance lending as per the Microfinance Industry Network directives, effective January 2025?

- Ans**
- ☒ A. ₹3,000
 - ☐ B. ₹1,000
 - ☐ C. ₹5,000
 - ☐ D. ₹2,000

Q.84 In March 2025, the Ministry of Environment Forest and Climate Change (MoEFCC) tightened emissions standards for which industry under the Environment (Protection) Second Amendment Rules, 2025?

- Ans**
- ☐ A. Cement
 - ☐ B. Dairy
 - ☒ C. Caustic soda
 - ☐ D. Textile

Q.85 Which organization licensed nine breakthrough health technologies to industry partners at the India MedTech Expo in September 2025?

- Ans**
- ☐ A. NITI Aayog
 - ☒ B. ICMR
 - ☐ C. ISRO
 - ☐ D. WHO

Q.86 In which state was the hedging desk established in 2025 to protect cotton, turmeric and maize farmers?

- Ans**
- ☐ A. Odisha
 - ☐ B. Kerala
 - ☐ C. West Bengal
 - ☒ D. Maharashtra

Q.87 The sixth phase of the 'Jal Shakti Abhiyan: Catch the Rain 2025' was launched in which of the following Indian states?

- Ans**
- ☐ A. Uttarakhand
 - ☐ B. Bihar
 - ☒ C. Haryana
 - ☐ D. Rajasthan

Q.88 In the year 2025, on which date was Army Day observed in India?

- Ans**
- ☐ A. 13 January
 - ☐ B. 23 January
 - ☒ C. 15 January
 - ☐ D. 20 January

Q.89 Where were the inaugural Beach Games, held under the Khelo India banner, conducted?

- Ans**
- ☐ A. Puducherry
 - ☒ B. Diu
 - ☐ C. Goa
 - ☐ D. Andaman and Nicobar Islands

Q.90 In January 2025, which of the following organisations partnered with Chennai's Metropolitan Transport Corporation (MTC) to launch 'RuPay on-the-go' for transit payments?

- Ans**
- ☐ A. Securities and Exchange Board of India (SEBI)
 - ☐ B. Reserve Bank of India (RBI)
 - ☐ C. Indian Banks' Association (IBA)
 - ☒ D. National Payments Corporation of India (NPCI)

Q.91 The 51st G7 Summit of 16–17 June 2025 took place in which Canadian location?

- Ans**
- ☐ A. Montreal, Quebec
 - ☒ B. Kananaskis, Alberta
 - ☐ C. Toronto, Ontario
 - ☐ D. Vancouver, British Columbia

Q.92 The National Red List Assessment Initiative, launched in India in October 2025, aligns with IUCN global standards and supports the country's commitments under which of the following international frameworks?

- Ans**
- ☐ A. Sendai Framework for Disaster Risk Reduction
 - ☐ B. Ramsar Convention on Wetlands Framework
 - ☒ C. Kunming–Montreal Global Biodiversity Framework
 - ☐ D. Greenhouse Gas (GHG) Framework

Q.93 The 3rd edition of the International Conference organized by the Indian Council of Arbitration (ICA) in June 2025 emphasized "Hybrid Dispute Resolution Models" in commercial conflicts between which countries?

- Ans**
- ☒ A. India and UK
 - ☐ B. India and USA
 - ☐ C. India and Australia
 - ☐ D. India and Japan

Q.94 In late November 2025, which cyclonic storm prompted the IMD to issue warnings for north Tamil Nadu, Puducherry, and adjoining south Andhra Pradesh, and made landfall around 30 November 2025?

- Ans**
- ☒ A. Cyclone Ditrwah
 - ☐ B. Cyclone Montha
 - ☐ C. Cyclone Senyar
 - ☐ D. Cyclone Shakhti

Q.95 The second edition of the STAIRS Youth National Games began on May 19, 2025. In which stadium in New Delhi did this event commence?

- Ans**
- ☐ A. Jawaharlal Nehru Stadium
 - ☐ B. Thyagaraj Sports Complex
 - ☒ C. Talkatora Stadium
 - ☐ D. Indira Gandhi Arena

Q.96 How many new medical seats were announced in the Union Budget 2025-26, to be added for the upcoming academic year i.e. 2025-26?

- Ans**
- ☐ A. 4000
 - ☐ B. 2000
 - ☒ C. 10000
 - ☐ D. 6000

Q.97 Which of the following nutritional concerns are being highlighted in the food awareness campaign launched by the Ministry of Health and Family Welfare on the occasion of World Food Safety Day, 2025?

- Ans**
- ☐ A. High fibre and calcium
 - ☒ B. Hidden sugars, fats and oils
 - ☐ C. Low vitamin C and zinc
 - ☐ D. Excess iron and protein

Q.98 Which author/translator pair won the International Booker Prize, 2025, for Heart Lamp?

- Ans**
- ☐ A. Margaret Atwood and Margaret Kiln
 - ☒ B. Banu Mushtaq and Deepa Bhasthi
 - ☐ C. David Szalay and Kiran Desai
 - ☐ D. Kiran Desai and David Milon

Q.99 Which prodigious ice-hockey talent was awarded the EJ McGuire Award of Excellence, highlighting character and athleticism, ahead of the 2025 NHL Draft?

- Ans**
- ☐ A. Connor Bedard
 - ☒ B. Michael Misa
 - ☐ C. Ivan Miroshnichenko
 - ☐ D. Matvei Michkov

Q.100 Which Indian javelin thrower won gold at the Taiwan Athletics Open in June 2025?

- Ans**
- ☐ A. Davinder Singh Kang
 - ☒ B. Rohit Yadav
 - ☐ C. Neeraj Chopra
 - ☐ D. Kishore Kumar



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	05/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following outcomes identifies meiosis rather than mitosis?

- Ans**
- ☒ A. Four cells, half number
 - ☐ B. One larger cell, double number
 - ☐ C. Many cells, same number
 - ☐ D. Two identical cells, same number

Q.2 Which of the following steps can increase the expected yield of a crop?

- Ans**
- ☐ A. Irrigation at early stages of crop.
 - ☐ B. Irrigation at every stage of crop.
 - ☐ C. Irrigation at terminal stage of crop.
 - ☒ D. Irrigation at right stage of crop.

Q.3 Which of the following is a practical application of Archimedes' Principle in daily life?

- Ans**
- ☐ A. Using a prism for light dispersion
 - ☐ B. Using a thermometer
 - ☐ C. Operating a pendulum
 - ☒ D. Design of ships and submarines

Q.4 Which of the following is a basic requirement for maintaining good reproductive health?

- Ans**
- ☐ A. Avoiding all medicines
 - ☒ B. Safe sex practices and awareness about contraception
 - ☐ C. Sharing personal hygiene products
 - ☐ D. Ignoring changes during adolescence

Q.5 The motion of a freely falling stone is an example of:

- Ans**
- ☒ A. non-uniform motion
 - ☐ B. motion with zero acceleration
 - ☐ C. uniform motion
 - ☐ D. rectilinear motion with constant speed

Q.6 What is the colour of the precipitate formed when silver nitrate reacts with sodium chloride?

- Ans**
- ☒ A. White
 - ☐ B. Yellow
 - ☐ C. Green
 - ☐ D. Blue

Q.7 Which of the following is an example of judicious use of natural resources?

- Ans**
- ☐ A. Open mining
 - ☐ B. Deforestation
 - ☒ C. Rainwater harvesting
 - ☐ D. Excessive use of fossil fuels

Q.8 Which statement from the following correctly defines the law of constant proportions?

- Ans**
- ☐ A. The mass of a compound is always greater than the sum of its elements.
 - ☐ B. Compounds can vary their composition based on temperature.
 - ☒ C. A compound always contains elements in a fixed ratio by mass.
 - ☐ D. Elements combined in random ratios to form compounds.

Q.9 Which of the following is true for the plants raised by vegetative propagation?

Statement A: Vegetatively propagated plant can bear flowers and fruits earlier than those produced from seeds.

Statement B: Vegetatively propagated plants are genetically dissimilar to the parent plant.

- Ans**
- ☐ A. Statement A is incorrect but statement B is correct
 - ☐ B. Both Statement A and statement B is correct
 - ☒ C. Statement A is correct but statement B is incorrect
 - ☐ D. Both Statement A and statement B is incorrect

Q.10 The principle of conservation of energy is applicable to _____.

- Ans**
- ☐ A. every mechanical system only
 - ☒ B. every physical process in general
 - ☐ C. every chemical system only
 - ☐ D. every electrical system exclusively

Q.11 Which of the following are the most reactive and the least reactive metals, respectively, in a reactivity series?

- Ans**
- ☐ A. Magnesium, Silver
 - ☐ B. Sodium, Gold
 - ☒ C. Potassium, Gold
 - ☐ D. Magnesium, Gold

Q.12 Which of the following statements about 'Law of conservation of mass' is correct?

- A) Mass can be changed when the reaction takes place.
- B) During the chemical reaction, atoms are rearranged.
- C) Mass within a closed system remains the same over time.

- Ans**
- ☒ A. only B and C
 - ☐ B. Only A and B
 - ☐ C. Only B
 - ☐ D. Only A

Q.13 When an object is placed between the pole (P) and the focus (F) of a concave mirror, what kind of image is formed?

- Ans
- ☐ A. Virtual, inverted, and diminished
 - ☐ B. Real, inverted, and diminished
 - ☒ C. Virtual, erect, and enlarged
 - ☐ D. Real, inverted, and enlarged

Q.14 Why are the ceilings of places like concert halls and cinema halls usually made curved?

- Ans
- ☐ A. To block the sound from reflecting
 - ☐ B. To make the hall look more attractive
 - ☐ C. To reduce the size of the building
 - ☒ D. To help sound reflect and reach all parts of the hall

Q.15 Which of the following is a ring-chain hydrocarbon?

- Ans
- ☒ A. Benzene
 - ☐ B. Propane
 - ☐ C. Ethene
 - ☐ D. Heptyne

Q.16 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Soap solution appears cloudy.

Reason (R): The soap micelles are large enough to scatter light.

- Ans
- ☐ A. Both A and R are true, and R is not the correct explanation of A.
 - ☐ B. A is true, but R is false.
 - ☐ C. A is false, but R is true.
 - ☒ D. Both A and R are true, and R is the correct explanation of A.

Q.17 The magnification (m) produced by a lens is defined as the ratio of _____.

- Ans
- ☐ A. the focal length to the object distance
 - ☐ B. the object distance to the image distance
 - ☒ C. the image height to the object height
 - ☐ D. the object height to the image height

Q.18 What is the formula of washing soda?

- Ans
- ☐ A. NaHCO_3
 - ☒ B. $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
 - ☐ C. Na_2CO_3
 - ☐ D. NaOH

Q.19 Which of the following statements is/are correct in the context of a mixture and a compound?

A) A mixture has a variable composition while in a compound, the composition of each new substance is always fixed.

B) A mixture shows the different properties of the constituent substance while in a compound, the new substance shows the same properties.

C) A mixture has a non-variable composition while in a compound, the composition of each new substance is always changing.

- Ans
- ☐ A. Both A and B
 - ☐ B. Only B
 - ☒ C. Only A
 - ☐ D. Only C

Q.20 A neuron receives nerve impulse from another neuron through ____.

- Ans**
- ☒ A. Dendrite
 - ☐ B. Synapse
 - ☐ C. Cell body
 - ☐ D. Axon

Q.21 In which device is the heating effect of current used to melt a metal?

- Ans**
- ☐ A. Electric fan
 - ☒ B. Electric fuse
 - ☐ C. Electric bulb
 - ☐ D. Electric bell

Q.22 A tube that grows out of the pollen grain travels through the style to reach which of the following parts of the flower?

- Ans**
- ☐ A. Sepal
 - ☐ B. Petal
 - ☐ C. Filament
 - ☒ D. Ovary

Q.23 A straight conductor is carrying current in the +x-direction, this conductor is placed in a magnetic field pointing in the +y-direction. What will be the direction of motion of the conductor?

- Ans**
- ☒ A. positive z direction
 - ☐ B. positive x direction
 - ☐ C. negative x direction
 - ☐ D. negative y direction

Q.24 Which meristem is located near the nodes in some plants?

- Ans**
- ☐ A. Root meristem
 - ☒ B. Intercalary meristem
 - ☐ C. Lateral meristem
 - ☐ D. Apical meristem

Q.25 A block of mass M is subjected to two opposing forces F_1 and F_2 ($F_1 > F_2$). If the frictional force (F_f) acting opposite to F_1 is such that the net acceleration of the block is half the acceleration it would have experienced if friction were zero, what is the relation for F_f ?

- Ans**
- ☐ A. $F_f = 2(F_1 - F_2)$
 - ☐ B. $F_f = (F_1 + F_2)/2$
 - ☐ C. $F_f = (F_1 - F_2)$
 - ☒ D. $F_f = (F_1 - F_2)/2$

Section : Mathematics

Q.26 A person saves 20% of his income. If his expenditure is ₹320, then his income (in ₹) is:

- Ans**
- ☐ A. 256
 - ☒ B. 400
 - ☐ C. 440
 - ☐ D. 64

Q.27 If the height of a triangle is increased by 20% and its base is decreased by 15%, then what will be the percentage change in its area?

- Ans**
- ☐ A. Increase by 3%
 - ☐ B. Decrease by 2%
 - ☐ C. Decrease by 3%
 - ☒ D. Increase by 2%

Q.28 The sum of the present ages of a father and his two sons is 72 years. and the age of the younger son is 8 years less than the age of the elder



- Ans**
- ☐ A. 42 years
 - ☒ B. 40 years
 - ☐ C. 39 years
 - ☐ D. 35 years

Q.29 If the marked price of a bedcover is 80% more than its cost price and a discount of 35% is announced on it, then find the profit percentage.

- Ans**
- ☐ A. 15%
 - ☐ B. 16%
 - ☐ C. 19%
 - ☒ D. 17%

Q.30 In quadrilateral PQRS, the bisectors of $\angle R$ and $\angle S$ meet at the point T (inside the quadrilateral) and $\angle STR = 25.5^\circ$. If the ratio of $\angle P$ to $\angle Q$ is 8 : 9, then what is the difference between the measures of $\angle Q$ and $\angle P$?

- Ans**
- ☒ A. 3°
 - ☐ B. 6°
 - ☐ C. 5°
 - ☐ D. 1°

Q.31 If 10% of 40% of $\frac{1}{3}$ of a number is 512, find the number.

- Ans**
- ☒ A. 38400
 - ☐ B. 37410
 - ☐ C. 40870
 - ☐ D. 38610

Q.32 A salesman marks his goods 10% above the cost price and gives a discount of 80% on them. Find his loss percentage.

- Ans**
- ☐ A. 79%
 - ☐ B. 77%
 - ☐ C. 70%
 - ☒ D. 78%

Q.33 One pipe can fill a tank in 3 minutes, while another pipe can empty the completely filled tank in 6 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans**
- ☐ A. 7
 - ☒ B. 3
 - ☐ C. 6
 - ☐ D. 4

Q.34 Chetan bought 52 books for ₹1,120 from one shop and 47 books for ₹905 from another. What is the average price (in ₹, rounded off to two decimal places) he paid per book ?

- Ans
- ☐ A. 23.45
 - ☐ B. 21.45
 - ☒ C. 20.45
 - ☐ D. 22.45

Q.35 Evaluate $2\cot^2 45^\circ + 3\sec^2 30^\circ - 4\sin^2 30^\circ$.

- Ans
- ☐ A. 6
 - ☐ B. 8
 - ☐ C. 7
 - ☒ D. 5

Q.36 If $\sqrt{x} + \frac{1}{\sqrt{x}} = 5$, find $x + \frac{1}{x}$.

- Ans
- ☒ A. 23
 - ☐ B. 15
 - ☐ C. 25
 - ☐ D. 32

Q.37 Three numbers are in the ratio $\frac{4}{10} : \frac{20}{18} : \frac{20}{11}$. The difference between



- Ans
- ☐ A. 49
 - ☐ B. 48
 - ☐ C. 51
 - ☒ D. 50

Q.38 The perimeter of a square is 68 m. What is the length (in m) of one side?

- Ans
- ☐ A. 18
 - ☐ B. 16
 - ☒ C. 17
 - ☐ D. 15

Q.39 The number of prime numbers between 358 and 368 is:

- Ans
- ☐ A. 3
 - ☐ B. 1
 - ☒ C. 2
 - ☐ D. 4

Q.40 The mode and median of a data are 70.2 and 58, respectively. What is the mean of the data? (Use empirical formula.)

- Ans
- ☐ A. 45.5
 - ☒ B. 51.9
 - ☐ C. 48.2
 - ☐ D. 59.4

Q.41 Simplify the expression $\frac{(49)^n \times 7}{7^{2n}}$. If n is a positive integer, what is the value of the expression?

- Ans ☒ A. 7^1
☐ B. 7^n
☐ C. 7^{2n+1}
☐ D. 7^0

Q.42 The Rajdhani Express and Garib Rath Express run in the same direction with speeds of 114 km/hr and 60 km/hr, respectively, and their lengths are the same. What is the length of the Rajdhani Express if it completely crosses the Garib Rath express in 144 seconds?

- Ans ☒ A. 1080 m
☐ B. 1070 m
☐ C. 1084 m
☐ D. 1078 m

Q.43 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 88% and that of the TV decreases by 57%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

- Ans ☒ A. Increase by 30%
☐ B. Increase by 36%
☐ C. Decrease by 23%
☐ D. Decrease by 31%

Q.44 A man bought goods worth ₹8,000 and sold half of them at a gain of 10%. At what gain percentage must he sell the remaining goods so as to gain 20% on the whole?

- Ans ☐ A. 28%
☒ B. 30%
☐ C. 32%
☐ D. 25%

Q.45 A car travels 158 km in the first hour and 110 km in the second hour. What is the average speed (in km/hr) of the car for the whole journey?

- Ans ☒ A. 134
☐ B. 127
☐ C. 141
☐ D. 137

Q.46 Laxmi, Dhruv and Gauri started a business in partnership investing in the ratio of 13:6:12, respectively. At the end of the year, they earned a profit of ₹37,200, which is 75% of their total investment. How much did Dhruv invest (in ₹)?

- Ans ☒ A. 9,600
☐ B. 9,336
☐ C. 9,766
☐ D. 9,692

Q.47 Two pipes can fill a cistern, individually, in 99 min and 36 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 44 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☒ A. 37 min
 - ☒ B. 66 min
 - ☒ C. 93 min
 - ☒ D. 44 min

Q.48 Simplify: $\frac{(0.45)^3 + (0.2)^3}{(0.45)^2 - 0.45 \times 0.2 + (0.2)^2}$

- Ans**
- ☒ A. $\frac{43}{100}$
 - ☒ B. $\frac{13}{20}$
 - ☒ C. $\frac{1}{4}$
 - ☒ D. $\frac{65}{10}$

Q.49 The amount on a sum of ₹8,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☒ A. ₹9,983
 - ☒ B. ₹10,985
 - ☒ C. ₹10,479
 - ☒ D. ₹10,043

Q.50 The volume (in m^3) of a cube with edges of 41 m, is:

- Ans**
- ☒ A. 68921
 - ☒ B. 68753
 - ☒ C. 69087
 - ☒ D. 68987

Section : General Intelligence and Reasoning

Q.51 Seven people, J, K, L, M, N, O and P are sitting in a straight row, facing north. Only two people sit to the right of O. Only three people sit between N and O. P sits second to the left of J. P is not an immediate neighbour of N. L sits to the immediate left of M. Who sits at the extreme right end of the line?

- Ans**
- ☒ A. K
 - ☒ B. P
 - ☒ C. J
 - ☒ D. M

Q.52 What should come in place of the question mark (?) in the given series?

91 78 65 52 39 ?

- Ans**
- ☒ A. 24
 - ☒ B. 30
 - ☒ C. 28
 - ☒ D. 26

Q.53 In a row of 52 students facing North, Roshan is 6th from the left end. If Disha is 29th to the right of Roshan, what is Disha's position from the right end of the row?

- Ans**
- ☒ A. 18th
 - ☐ B. 17th
 - ☐ C. 15th
 - ☐ D. 16th

Q.54 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 letter-cluster pair 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. NR-OV
 - ☐ B. MQ-OS
 - ☐ C. TX-VZ
 - ☐ D. HL-JN

Q.55 In a certain code language,
'A + B' means 'A is the son of B',
'A - B' means 'A is the mother of B',
'A × B' means 'A is the brother of B' and
'A ÷ B' means 'A is the father of B'.

How is M related to S if 'M + N ÷ O × P - S'?

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

Q.56 What should come in place of ? in the given series?
2 3 6 15 42 ?

- Ans**
- ☐ A. 124
 - ☐ B. 122
 - ☒ C. 123
 - ☐ D. 125

Q.57 Each of the digits in the number 12568436 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- Ans**
- ☒ A. 9
 - ☐ B. 10
 - ☐ C. 12
 - ☐ D. 11

Q.58 In a certain code language, "OXGP" is coded as "62" and "DSNL" is coded as "75". What is the code for "VBQT" in that language?

- Ans**
- ☐ A. 68
 - ☐ B. 61
 - ☐ C. 70
 - ☒ D. 63

Q.59 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers.)

(Left) 5 * 1 & 1 6 \$ © * 3 8 # © € 1 & © 1 © 8 % 4 (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans
- ☒ A. 5
 - ☒ B. 4
 - ☒ C. 2
 - ☒ D. 1

Q.60 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 letter-cluster pair 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. KN - GJ
 - ☒ B. NQ - JM
 - ☒ C. LO - HL
 - ☒ D. HK - DG

Q.61 Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 7 2 4 5 9 1 6 3 8 7 4 2 6 1 5 9 3 7 4 8 2 1 (Right)

How many unique digits in the series are both odd and greater than 5 (each digit counted only once, regardless of repetitions)?

- Ans
- ☒ A. Two
 - ☒ B. One
 - ☒ C. Three
 - ☒ D. None

Q.62 What should come in place of the question mark (?) in the given series?

508 518 529 541 554 ?

- Ans
- ☒ A. 566
 - ☒ B. 564
 - ☒ C. 568
 - ☒ D. 562

Q.63 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 7 4 7 7 3 3 3 1 4 8 9 8 8 2 8 5 6 7 9 7 1 3 3 1 6 2 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans
- ☒ A. 5
 - ☒ B. 4
 - ☒ C. 2
 - ☒ D. 3

Q.64 RPMZ is related to WURT in a certain way. In the same way, LIGM is related to QNLG. To which of the given options is NKHN related, following the same logic?

- Ans** ☒ A. SPMH
☐ B. RQNH
☐ C. SQMG
☐ D. RPNG

Q.65 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:

All wheels are cars.
All wheels are buses.
All buses are trucks.

Conclusions:

(I) All wheels are trucks.
(II) Some buses are cars.

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

HLE23, JJH21, LHK19, NFN17, ?

- Ans** ☐ A. PDP18
☐ B. PEP15
☒ C. PDQ15
☐ D. PEQ18

Q.67 This question is based on the five, three-digit numbers given below.
(Left) 745 329 157 278 381 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans** ☒ A. 10
☐ B. 9
☐ C. 8
☐ D. 6

Q.68 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SANK - NSAK - KNAS
KITE - TKIE - ETIK

- Ans** ☒ A. FIRM - RFIM - MRIF
☐ B. ZONE - NZOE - ONEZ
☐ C. SWAT - WSAT - TWAS
☐ D. DOLE - DLOE - ELOD

Q.69 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEU7 VWM24 NOE41 FGW58 ?

- Ans**
- ☒ A. XYO75
 - ☐ B. XSO75
 - ☐ C. PYO75
 - ☐ D. XYF75

Q.70 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13.3, 12.5, 11.8)
(45.6, 44.8, 44.1)

- Ans**
- ☒ A. (27.9, 27.1, 26.4)
 - ☐ B. (71.7, 70.9, 70.1)
 - ☐ C. (39.4, 38.6, 37.8)
 - ☐ D. (69.5, 68.7, 68.6)

Q.71 A,B,C,D,E,F and G are sitting in a straight line facing North.
No one sits to the right of B. Only three people sit between B and G. Only two people sit between G and D. A sits third to the left of C. F sits to the immediate right of C.

How many people sit to the left of E?

- Ans**
- ☐ A. 2
 - ☐ B. 3
 - ☒ C. 1
 - ☐ D. 4

Q.72 Omkar starts from Point Y and drives 29 km towards the south. He then takes a left turn, drives 75 km, turns right and drives 33 km. He then takes a right turn and drives 37 km. He takes a right turn, drives 62 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 36 km towards the east
 - ☐ B. 37 km towards the east
 - ☐ C. 41 km towards the west
 - ☒ D. 38 km towards the west

Q.73 Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of A. Only one person sits between B and C. F sits to the immediate left of A. B sits to the immediate right of E. C sits third to the right of D. Who sits at the extreme left end of the line?

- Ans**
- ☐ A. E
 - ☒ B. D
 - ☐ C. A
 - ☐ D. C

Q.74 In a row of 42 people facing north, Kunal is 11th from the left end. If Riya sits 5th to the right of Kunal, what is Riya's position from the right end of the line?

- Ans**
- ☐ A. 26th
 - ☒ B. 27th
 - ☐ C. 24th
 - ☐ D. 25th

Q.75 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

LNP-MOQ
MOQ-NPR

- Ans**
- ☒ A. RTV-SUW
 - ☐ B. RST-SUW
 - ☐ C. RST-RTV
 - ☐ D. RTV-RUV

Q.76 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$70 - 45 \times 5 - 40 \div 4 + 48 = ?$$

- Ans**
- ☐ A. 211
 - ☐ B. 153
 - ☒ C. 191
 - ☐ D. 172

Q.77 In a certain code language, 'drinking is dangerous' is coded as 'cd pk os', 'avoid dangerous habit' is coded as 'os mp ls' and 'please avoid drinking' is coded as 'rk pk mp'. How is 'dangerous' coded in that language?

- Ans**
- ☐ A. mp
 - ☒ B. os
 - ☐ C. rk
 - ☐ D. ls

Q.78 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:

No Pianos are Guitars.
Some Guitars are Violins.
All Violins are Drums.

Conclusions:

(I) No Pianos are Violins.
(II) Some Guitars are Drums.

- Ans**
- ☐ A. Neither conclusion (I) nor (II) is true
 - ☐ B. Only conclusion (I) is true
 - ☒ C. Only conclusion (II) is true
 - ☐ D. Both conclusions (I) and (II) are true

Q.79 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$8 \div 2 + 15 \times 5 - 8 = ? + 5$$

- Ans**
- ☒ A. 28
 - ☒ B. 26
 - ☒ C. 22
 - ☒ D. 24

Q.80 Town T is to the north of Town R. Town S is to the south of Town Q. Town R is to the south of Town P. Town Q is to the south of Town R. What is the position of Town Q with respect to Town P?

- Ans**
- ☒ A. West
 - ☒ B. East
 - ☒ C. North
 - ☒ D. South

Section : General Awareness and Current Affairs

Q.81 Who won the 2025 Norway Chess Open tournament?

- Ans**
- ☒ A. Hikaru Nakamura
 - ☒ B. Fabiano Caruana
 - ☒ C. Magnus Carlsen
 - ☒ D. Gukesh Dommaraju

Q.82 Which organisation launched the BHARATPOL portal to enhance real-time information sharing for Indian law enforcement agencies in January 2025?

- Ans**
- ☒ A. Intelligence Bureau (IB)
 - ☒ B. National Investigation Agency (NIA)
 - ☒ C. Central Bureau of Investigation (CBI)
 - ☒ D. Research and Analysis Wing (RAW)

Q.83 In 2025, at the World Cup staged in Foz Do Iguacu, Brazil, which Indian boxer earned a gold medal in the 70kg division due to an opponent's withdrawal?

- Ans**
- ☒ A. Shiva Thapa
 - ☒ B. Vijendra Singh
 - ☒ C. Vikas Krishan
 - ☒ D. Hitesh Gulia

Q.84 In 2025, the Government of India consolidated 29 labour laws into how many labour codes to simplify labour regulations?

- Ans**
- ☒ A. 4
 - ☒ B. 8
 - ☒ C. 2
 - ☒ D. 6

Q.85 Who gave assent to the Waqf (Amendment) Bill, 2025, making it a law?

- Ans**
- ☒ A. Chief Justice of India
 - ☒ B. Vice President of India
 - ☒ C. President of India
 - ☒ D. Prime Minister of India

- Q.86** Which of the following authorities in India issued new directives aimed at regulating asbestos exposure and its disposal in October 2025?
- Ans** ☐ A. High Court of Delhi
☐ B. Supreme Court of India
☒ C. National Green Tribunal (NGT)
☐ D. Central Pollution Control Board (CPCB)
- Q.87** Which of the following was announced in the Union Budget 2025-26 (presented on 1 February 2025) to boost value-addition and marketing for a regional crop in Bihar?
- Ans** ☐ A. National Pulses Development Fund
☒ B. Establishment of a Makhana Board
☐ C. A dedicated Potato Export Authority
☐ D. Central Rice Milling Corporation
- Q.88** In April 2025, India voted in favour of the International Maritime Organisation (IMO's) global carbon pricing system for which of the following sectors?
- Ans** ☐ A. Aviation
☐ B. Railways
☐ C. Road transport
☒ D. Maritime shipping
- Q.89** Vithya Ramraj shares India's 400 m hurdles national record with which legendary Indian athlete as of 2025?
- Ans** ☐ A. Hima Das
☐ B. Kamaljeet Sandhu
☒ C. PT Usha
☐ D. Shiny Wilson
- Q.90** According to the North Eastern Region Sustainable Development Goals Index Report, 2023-24, released in July 2025, which district secured the highest score at 81.43 points?
- Ans** ☒ A. Hnathial
☐ B. Dimapur
☐ C. Dibrugarh
☐ D. Udalguri
- Q.91** Under what theme is the 'Swachhata Hi Seva' campaign, in alignment with the Government of India's vision of a clean and garbage-free India, being observed in 2025?
- Ans** ☐ A. Clean India Green India
☐ B. Swachhata Abhiyan 2.0
☐ C. Swachh Survekshan
☒ D. Swachhotsav
- Q.92** What is the primary purpose of the PathGenie software developed by the Ministry of Science and Technology in 2025?
- Ans** ☐ A. To support vaccine production planning
☒ B. To accelerate the process of drug discovery
☐ C. To analyze medical imaging data
☐ D. To manage large-scale clinical trial databases

Q.93 In 2025, India suspended which of the following bilateral agreements related to water sharing with Pakistan?

- Ans**
- ☐ A. Ganga
 - ☐ B. Shimla
 - ☒ C. Indus
 - ☐ D. Tashkent

Q.94 In August 2025, the Indian National Space Promotion and Authorisation Centre (IN-SPACe) selected which of the following consortia to develop India's first indigenous commercial Earth-Observation satellite constellation?

- Ans**
- ☐ A. Hindustan Aeronautics Limited, Bharat Electronics Limited and NewSpace India Limited Consortium
 - ☒ B. PixxelSpace India Private Limited, Dhruva Space Private Limited and SatSure Analytics India Private Limited Consortium
 - ☐ C. Ananth Technologies Limited, Astrome Technologies Private Limited and Bharti Space Technologies Limited Consortium
 - ☐ D. Skyroot Aerospace Private Limited, Agnikul Cosmos Private Limited and Bellatrix Aerospace Private Limited Consortium

Q.95 Which of the following countries hosted the 8th International Solar Alliance Assembly in October 2025?

- Ans**
- ☐ A. France
 - ☒ B. India
 - ☐ C. Australia
 - ☐ D. Bhutan

Q.96 World Health Day, observed every year to draw attention to a major global health topic, falls on which of the following dates?

- Ans**
- ☐ A. 8 March
 - ☐ B. 24 October
 - ☐ C. 1 December
 - ☒ D. 7 April

Q.97 Which of the following banks revised Priority Sector Lending (PSL) guidelines for Small Finance Banks from FY 2025–26, reducing the PSL target to 60% of Adjusted Net Bank Credit (ANBC) or Credit Equivalent of Off-Balance Sheet Exposure (CEOBE), whichever is higher?

- Ans**
- ☐ A. Punjab National Bank
 - ☒ B. Reserve Bank of India
 - ☐ C. Bank of Baroda
 - ☐ D. State Bank of India

Q.98 Who won the Japanese Grand Prix, 2025?

- Ans**
- ☐ A. Oscar Piastri
 - ☐ B. Fabio Di Giannantonio
 - ☐ C. Lando Norris
 - ☒ D. Max Verstappen

Q.99 What was the theme for National Girl Child Day 2025 celebrated in January?

- Ans**
- ☐ A. Empowering Girls to Make them Independent
 - ☐ B. Empowering Girls for a Better Nation
 - ☒ C. Empowering Girls for a Bright Future
 - ☐ D. Empowering Girls for a Better Future

Q.100 In 2025, according to the Supreme Court, the average waiting period for adopting an infant or young child in India under the legal framework is significant, leading some parents to consider illegal adoptions. What is the approximate average waiting period cited by the Court?

- Ans**
- ☐ A. 2.5 years
 - ☒ B. 3.5 years
 - ☐ C. 4.5 years
 - ☐ D. 1.5 years



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Kalyani
Test Date	05/02/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Corrosion causes damage to the metal body, especially:

- Ans
- ☒ A. by galvanisation
 - ☒ B. in moist air
 - ☒ C. in dry air
 - ☒ D. in both dry air and oil

Q.2 In mitosis, how do the chromosomes in daughter cells compare with those in the parent cell?

- Ans
- ☒ A. Daughter cells contain twice the number of chromosomes as the parent cell.
 - ☒ B. Daughter cells have half the number of chromosomes as the parent cell.
 - ☒ C. Daughter cells have the same number of chromosomes as the parent cell.
 - ☒ D. Daughter cells lose all chromosomes during division.

Q.3 Which of the following sound frequencies is inaudible to humans?

- Ans
- ☒ A. 25,000 Hz
 - ☒ B. 5000 Hz
 - ☒ C. 2000 Hz
 - ☒ D. 50 Hz

Q.4 An electric heater draws 5 A of current when connected to a 70 V source. If the potential difference is increased to 126 V, what will be the new current drawn by the heater?

- Ans
- ☒ A. 3 A
 - ☒ B. 90 A
 - ☒ C. 8 A
 - ☒ D. 9 A

Q.5 Consider the following statements regarding the characteristics of compounds and select the correct option.

Statement 1: Elements react to form new compounds.

Statement 2: Each new substance formed is of variable composition.

Statement 3: The constituents can be separated only by chemical or electrochemical reactions.

- Ans**
- ☐ A. Statements 1, 2 and 3 are correct.
 - ☐ B. Only statements 1 and 2 are correct.
 - ☐ C. Statements 1, 2 and 3 are incorrect.
 - ☒ D. Only statements 1 and 3 are correct.

Q.6 What happens to the uterine lining in human females if the egg is not fertilized?

- Ans**
- ☐ A. It is reabsorbed into the body.
 - ☐ B. It thickens further for another week.
 - ☒ C. It breaks down and is discharged as blood and mucus.
 - ☐ D. It remains intact for the next cycle.

Q.7 Evaporation takes place at which temperature?

- Ans**
- ☐ A. Only at boiling point
 - ☐ B. Only below freezing point
 - ☐ C. Only at 100°C
 - ☒ D. At any temperature

Q.8 In daily life, the principle of force on a current-carrying conductor is used in which of the following devices?

- Ans**
- ☐ A. Electric fuse
 - ☒ B. Electric motor
 - ☐ C. Electric heater
 - ☐ D. Electric bell

Q.9 Which statement best defines the term 'formula unit mass' as used in the context of ionic compounds?

- Ans**
- ☐ A. It is the product of the atomic masses of all elements in a compound.
 - ☐ B. It is the mass of one mole of a molecular compound.
 - ☒ C. It is the sum of the atomic masses of all atoms present in a formula unit of an ionic compound.
 - ☐ D. It is the total number of atoms in a molecule of a covalent compound.

Q.10 What is the term used for the division of cytoplasm following nuclear division?

- Ans**
- ☐ A. Karyokinesis
 - ☐ B. Interphase
 - ☐ C. Chromatin condensation
 - ☒ D. Cytokinesis

Q.11 If a fertilised egg reaches the uterus but finds the lining thin and not spongy, what could happen?

- Ans**
- ☐ A. Menstruation is delayed but still occurs.
 - ☐ B. The egg survives longer than usual.
 - ☒ C. The embryo fails to implant properly and is expelled.
 - ☐ D. The egg gets fertilised again.

Q.12 The maximum number of electrons in a shell is given by:

Ans ☐ A. $2n$

☒ B. $2n^2$

☐ C. $\frac{n^2}{2}$

☐ D. n^2

Q.13 Which of the following is NOT an example of the third law of motion?

Ans ☐ A. Foot pushes the ground backward and ground pushes the foot forward.

☒ B. Pushing a stationary car and making it move.

☐ C. A rocket moving upward due to gases expelled downward.

☐ D. The swimmer pushes the water backward with her hands.

Q.14 According to the sign convention for spherical mirrors, which option is correct about the focal length of a concave mirror?

Ans ☒ A. Always negative

☐ B. Sometimes positive

☐ C. Always positive

☐ D. Sometimes negative

Q.15 Materials that have NOT been broken down by the action of bacteria or saprophytes, but somehow degraded by physical processes, are called:

Ans ☐ A. Dividable

☐ B. Biodegradable

☒ C. Non-biodegradable

☐ D. Decaying

Q.16 ___ generally has long, unstable carbon chains.

Ans ☐ A. Glucose

☒ B. Vegetable oil

☐ C. Table salt

☐ D. Water

Q.17 Which of the following is NOT made up of connective tissue?

Ans ☐ A. Blood

☐ B. Cartilage

☒ C. Muscles

☐ D. Bone

Q.18 Refer to the two statements given below and select the correct option.

Statement A: Carboxylic acids are strong acids that completely ionise in water.

Statement B: Ethanoic acid is a weak acid compared to hydrochloric acid.

Ans ☐ A. Both statements A and B are correct.

☒ B. Statement A is incorrect but B is correct.

☐ C. Statement A is correct but B is incorrect.

☐ D. Both statements A and B are incorrect.

Q.19 Which of the following is NOT an example of work done?

Ans ☐ A. Pulling a trolley along a flat surface

☐ B. Lifting a brick from the floor

☐ C. Sliding luggage on the floor

☒ D. Pushing a wall

Q.20 In India, biodiversity hotspots are primarily located in _____.

- Ans**
- ☒ A. the Western Ghats and Eastern Himalayas
 - ☐ B. Central India and the Deccan Plateau
 - ☐ C. the Mediterranean, Sardinia and Sicily
 - ☐ D. the Cold desert of Ladakh

Q.21 In a fluid, the buoyant force acting on a submerged or floating object always acts _____.

- Ans**
- ☐ A. in a direction depending on the shape of the object
 - ☒ B. vertically upward
 - ☐ C. along the direction of motion of the object
 - ☐ D. vertically downward

Q.22 In terms of chromosome contribution, which of the following is correct?

- Ans**
- ☐ A. Father contributes only X chromosome
 - ☒ B. Mother always contributes X, father contributes X or Y
 - ☐ C. Mother can contribute X or Y
 - ☐ D. Both parents contribute either X or Y

Q.23 Which of the following metals can be shaped into leaves by pressure of the fingers?

- Ans**
- ☐ A. Iron
 - ☐ B. Silver
 - ☒ C. Sodium
 - ☐ D. Gold

Q.24 When two bodies interact, the action and reaction forces _____.

- Ans**
- ☐ A. act on the same body
 - ☐ B. act in the same direction
 - ☒ C. act on different bodies
 - ☐ D. produce the same effect on both bodies

Q.25 What is the geometric relationship between the principal axis and the reflecting surface of a spherical mirror at the point of the pole P?

- Ans**
- ☐ A. The principal axis intersects the mirror at an oblique angle.
 - ☒ B. The principal axis is normal (perpendicular) to the mirror at its pole.
 - ☐ C. The principal axis is tangent to the mirror surface.
 - ☐ D. The principal axis is parallel to the mirror surface.

Section : Mathematics

Q.26 The value of the square root of the expression $32 \times 64^{-2} \times \frac{2}{16^3} \times 4^{m+3}$ is 2.
Then the value of m is _____.

- Ans**
- ☐ A. 4
 - ☐ B. 8
 - ☐ C. 6
 - ☒ D. 7

- Q.27 Walking at $\frac{5}{6}$ th of his normal speed from his home, Shahid is 25 min late. The usual time taken by him to cover the distance between his home and office is _____.

Ans ☐ A. 119 minutes
☐ B. 128 minutes
☒ C. 125 minutes
☐ D. 118 minutes

- Q.28 A dealer purchased an oven for ₹651. After allowing a discount of 86% on its marked price, he still gains 68%. Find the marked price of the oven.

Ans ☐ A. ₹7,978
☐ B. ₹7,940
☐ C. ₹7,740
☒ D. ₹7,812

- Q.29 What is the mode of the following data?

75, 70, 80, 70, 80, 71, 80, 66, 87, 82, 68, 73, 80, 75, 66, 64, 66, 87, 90, 68, 89, 82, 81, 81, 65, 81, 80

Ans ☒ A. 80
☐ B. 70
☐ C. 90
☐ D. 75

- Q.30 A pendulum makes an angle of swing A (in degrees), such that $\sin A = \frac{1}{2}$. Find the value of $\sin 3A$.

Ans ☐ A. $\frac{5}{8}$
☐ B. $\frac{3}{2}$
☒ C. 1
☐ D. $\frac{1}{2}$

- Q.31 The cost of a washing machine is 25% less than the cost of a TV. If the cost of the washing machine increases by 30% and that of the TV decreases by 19%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

Ans ☒ A. Increase by 10.4%
☐ B. Decrease by 6%
☐ C. Decrease by 13%
☐ D. Increase by 11.2%

- Q.32 If 80% of 10% of $\frac{2}{3}$ of a number is 748, find the number.

Ans ☐ A. 14420
☐ B. 15470
☐ C. 17790
☒ D. 14025

Q.33 A, B, and C can do a piece of work in 3, 3, and 12 days respectively. How long (in days) will they take to do thrice the same work, working together?

- Ans**
- ☐ A. 12
 - ☒ B. 4
 - ☐ C. 5
 - ☐ D. 8

Q.34 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 76^\circ$. E is a point on BC such that $\angle CAE = 53^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ A. 53°
 - ☐ B. 78°
 - ☒ C. 67°
 - ☐ D. 55°

Q.35 A boy bought 4 long and 5 short notebooks for ₹305. If the difference in prices of the long and short notebooks is ₹20, then find the price (in ₹) of each long and short notebook, respectively.

- Ans**
- ☐ A. 39; 19
 - ☐ B. 44.50; 24.50
 - ☐ C. 62; 42
 - ☒ D. 45; 25

Q.36 If $a + b = 4$ and $ab = 3$, find the value of $a^3 + b^3$.

- Ans**
- ☒ A. 28
 - ☐ B. 38
 - ☐ C. 36
 - ☐ D. 32

Q.37 The amount on a sum of ₹7,500 at 16% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☒ A. ₹10,092
 - ☐ B. ₹9,117
 - ☐ C. ₹10,861
 - ☐ D. ₹10,160

Q.38 Which is the greatest number that divides 47, 59 and 74 to leave the same remainder?

- Ans**
- ☐ A. 2
 - ☐ B. 5
 - ☒ C. 3
 - ☐ D. 7

Q.39 A bus travels 240 km in 6 hours. If it travels at the same speed, how far will it travel in 4.5 hours?

- Ans**
- ☐ A. 160 km
 - ☐ B. 140 km
 - ☐ C. 175 km
 - ☒ D. 180 km

Q.40 Sarah's age is 5 years more than twice her sister Emma's age. If the sum of their ages is 29 years, how old is Emma?

- Ans**
- ☐ A. 6 years
 - ☐ B. 5 years
 - ☐ C. 7 years
 - ☒ D. 8 years

Q.41 Successive discounts of 16% and 22% are equivalent to what single discount?

- Ans**
- ☒ A. 34.48%
 - ☐ B. 36.95%
 - ☐ C. 34.23%
 - ☐ D. 31.71%

Q.42 The ratio of income to expenditure of a person is 8:5. What percentage of his income is his saving?

- Ans**
- ☐ A. 20.8%
 - ☐ B. 25.4%
 - ☐ C. 31.3%
 - ☒ D. 37.5%

Q.43 Two pipes, A and B, can fill a tank in 30 minutes and 45 minutes, respectively, while a third pipe, C, can empty the tank in 24 minutes. Pipes A and B are opened together, and after 6 minutes, pipe C is also opened. What will be the total time required to fill the tank?

- Ans**
- ☒ A. 54 minutes
 - ☐ B. 57 minutes
 - ☐ C. 51 minutes
 - ☐ D. 48 minutes

Q.44 If six cubes of 10 cm edge are joined end to end, the surface area (in cm^2) of the resulting solid will be:

- Ans**
- ☒ A. 2600
 - ☐ B. 1300
 - ☐ C. 3900
 - ☐ D. 2350

Q.45 6336 is divisible by 9. What should be added to or subtracted from this number so that it will be divisible by 11?

- Ans**
- ☒ A. 0
 - ☐ B. -1
 - ☐ C. 3
 - ☐ D. 1

Q.46 A man buys 9 identical articles for a total of ₹16. If he sells each of them for ₹2, then his profit percentage will be ____%.

- Ans**
- ☐ A. 12.11
 - ☐ B. 11.11
 - ☒ C. 12.5
 - ☐ D. 13.5

Q.47 The mode and median of a data is 72.8 and 31, respectively. What is the mean of the data? (Use empirical formula)

- Ans** ☒ A. 10.1
☐ B. 7.2
☐ C. 15.8
☐ D. 5.8

Q.48 A solid metallic cylinder of radius 5 cm and height 12 cm is melted and recast into smaller solid cylinders each of radius 2 cm and height 3 cm. Find the ratio of the total surface area of one small cylinder to the total surface area of the original cylinder.

- Ans** ☐ A. 1 : 7
☐ B. 1 : 8
☒ C. 2 : 17
☐ D. 2 : 15

Q.49 Find the ratio between the fourth proportional of 10, 15 and 18 to the mean proportional of 9 and 4.

- Ans** ☐ A. 12:9
☐ B. 10:5
☒ C. 9:2
☐ D. 7:4

Q.50 ₹10,896 is divided among A, B and C in such a way that if ₹91, ₹4 and ₹57 are deducted from their respective shares, they have money in the ratio 3:8:6. Find the difference between B's and C's original shares.

- Ans** ☐ A. ₹1,164
☒ B. ₹1,211
☐ C. ₹1,414
☐ D. ₹1,364

Section : General Intelligence and Reasoning

Q.51 In a row of all 76 students facing the north, Mr. Hepa is 9th from the left end. If Mr. Annu is 56th to the right of Mr. Hepa, what is Mr. Annu's position from the right end of the row?

- Ans** ☐ A. 11th
☐ B. 10th
☐ C. 9th
☒ D. 12th

Q.52 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BDH:EGK
KMQ:NPT

- Ans** ☐ A. COD:NCX
☒ B. HQW:KTZ
☐ C. BTD:FGY
☐ D. ITD:YDS

Q.53 In a certain code language, 'move the rocks' is coded as 'ld an ur' and 'rocks block roads' is coded as 'mp cq an'. How is 'rocks' coded in the given language?

- Ans**
- ☐ A. ur
 - ☐ B. mp
 - ☒ C. an
 - ☐ D. cq

Q.54 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 5 6 4 9 7 8 4 3 1 7 8 3 5 6 4 8 5 7 1 2 9 7 5 8 6 4 (Right)

How many such even numbers are there, each of which is immediately preceded by an even number and immediately followed by an odd number?

- Ans**
- ☒ A. Three
 - ☐ B. Four
 - ☐ C. Zero
 - ☐ D. Two

Q.55 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B',
and A & B means 'A is the father of B'.

How is K related to V if 'K & T - R x Z + V'?

- Ans**
- ☐ A. Son's wife's brother
 - ☐ B. Son
 - ☒ C. Son's wife's father
 - ☐ D. Father

Q.56 Karthik starts from Point Y and drives 86 km towards the east. He then takes a right turn, drives 41 km, turns right and drives 61 km. He then takes a right turn and drives 92 km. He takes a left turn, drives 25 km. He then turns right, drives 31 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 85 km towards the west
 - ☒ B. 82 km towards the south
 - ☐ C. 84 km towards the south
 - ☐ D. 86 km towards the north

Q.57 What should come in place of the question mark (?) in the given series?

0 ? 12 24 40 60

- Ans**
- ☐ A. 10
 - ☒ B. 4
 - ☐ C. 2
 - ☐ D. 8

Q.58 In a certain code language, 'dirt is there' is coded as 'mp rc gp' and 'clean the dirt' is coded as 'hk mp bo'. How is 'dirt' coded in that language?

- Ans**
- ☐ A. hk
 - ☐ B. bo
 - ☒ C. mp
 - ☐ D. gp

- Q.59** This question is based on the five, three-digit numbers given below.
(Left) 745 768 729 716 721 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- Ans** ☒ A. 12
☒ B. 14
☒ C. 10
☒ D. 13

- Q.60** Six people, A, B, C, D, E and F, are sitting in a row, facing north. A sits third to the left of E. E sits second to the left of F. D sits to the immediate right of E. B sits to the immediate left of C. How many people sit between C and F?

- Ans** ☒ A. Two
☒ B. None
☒ C. Three
☒ D. One

- Q.61** 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 letter-cluster pair 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. MN-QR
☒ B. OP-ST
☒ C. VW-ZA
☒ D. EF-HL

- Q.62** Five people, A, B, C, D and E, are sitting in a row, facing north. D sits at the extreme left end of the row. E sits third to the right of A. B sits to the immediate right of A. How many people sit between D and E?

- Ans** ☒ A. 0
☒ B. 1
☒ C. 2
☒ D. 3

- Q.63** 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. ZWY
☒ B. QOP
☒ C. JGI
☒ D. IFH

Q.64 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right.

(Left) 4 3 1 3 5 3 6 2 3 7 8 4 6 9 7 4 5 2 3 7 4 2 1 5 7 9 8 (Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

Ans ☒ A. 5

☒ B. 6

☒ C. 3

☒ D. 4

Q.65 What should come in place of the question mark (?) in the given series?

7, 14, 28, 56, 112, ?

Ans ☒ A. 224

☒ B. 216

☒ C. 232

☒ D. 192

Q.66 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:

All rings are kettles.

All dogs are bottles.

No rings are bottles.

Conclusions:

(I): Some kettles are not dogs.

(II): No rings are dogs.

Ans ☒ A. Neither conclusion (I) nor (II) follows

☒ B. Only conclusion (II) follows

☒ C. Both conclusions (I) and (II) follow

☒ D. Only conclusion (I) follows

Q.67 What should come in place of the question mark (?) in the given series?

50 ? 40 70 30 80

Ans ☒ A. 65

☒ B. 60

☒ C. 55

☒ D. 75

Q.68 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only three people sit to the left of C. Only D sits to the right of B. Only three people sit between B and F. A sits at some place to the left of G but at some place to the right of E.

How many people sit to the right of A?

Ans ☒ A. 5

☒ B. 2

☒ C. 4

☒ D. 3

Q.69 Town X is to the north of Town P. Town X is to the east of Town Y. Town W is to the south of Town Y. Town Z is to the east of Town W. Town Z is to the north of Town P. What is the position of Town X with respect to Town Z?

- Ans**
- ☒ A. East
 - ☒ B. North
 - ☒ C. West
 - ☒ D. South

Q.70 IS69 is related to LO61 in a certain way. In the same way, WE43 is related to ZA35. To which of the following is GI91 related, following the same logic?

- Ans**
- ☒ A. KF82
 - ☒ B. KD84
 - ☒ C. NF82
 - ☒ D. JE83

Q.71 MLPO is related to NMQP in a certain way based on the English alphabetical order. In the same way, GFJI is related to HGKJ. To which of the given options is ONRQ related, following the same logic?

- Ans**
- ☒ A. PORR
 - ☒ B. PPRV
 - ☒ C. POSR
 - ☒ D. PNRR

Q.72 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 its 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)

15 - 3 - 5
24 - 4 - 6

- Ans**
- ☒ A. 20 - 2 - 10
 - ☒ B. 63 - 7 - 11
 - ☒ C. 50 - 3 - 19
 - ☒ D. 35 - 5 - 8

Q.73 All 60 people are standing in a row facing north. Sandeep is 20th from the right end while Kiran is 10th from the left end. How many people are there between Sandeep and Kiran?

- Ans**
- ☒ A. 28
 - ☒ B. 29
 - ☒ C. 30
 - ☒ D. 27

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

KIE 88 CAW 95 USO 102 MKG 109 ?

- Ans**
- ☒ A. EDX 116
 - ☒ B. EBX 115
 - ☒ C. ECY 116
 - ☒ D. EGJ 115

Q.75 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IOS 17, LRV 23, OUY 29, RXB 35, ?

- Ans ☒ A. SZE 42
☒ B. UAE 41
☒ C. UZC 41
☒ D. UBE 43

Q.76 If '+' means '-', '-' means 'x', 'x' means '+' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$97 - 11 \div 67 + 864 \times 16 = ?$$

- Ans ☒ A. 1066
☒ B. 1080
☒ C. 1097
☒ D. 1055

Q.77 If '+' means '+', '-' means 'x', 'x' means '-', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$608 + 76 \times 6 - 37 \div 259 = ?$$

- Ans ☒ A. 33
☒ B. 45
☒ C. 41
☒ D. 39

Q.78 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 easels are brushes.
Some canvases are brushes.

Conclusions:

(I): Some brushes are canvases.
(II): All easels are canvases.

- 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.79 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 7 4 1 2 4 9 7 5 3 6 1 5 2 7 5 4 8 3 9 6 5 7 3 9 1 4 2 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans ☒ A. More than three
☒ B. One
☒ C. Two
☒ D. Three

Q.80 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$9 \div 2 + 24 \times 6 - 3 = ? + 5$$

- Ans**
- ☐ A. 20
 - ☐ B. 18
 - ☒ C. 22
 - ☐ D. 24

Section : General Awareness and Current Affairs

Q.81 For which sports has Murlikant Rajaram Petkar received Arjuna Awards (Lifetime) for his outstanding performance in the year 2024?

- Ans**
- ☒ A. Para-Swimming
 - ☐ B. Athletics
 - ☐ C. Hockey
 - ☐ D. Para gliding

Q.82 Under what theme was the International Day for Biological Diversity celebrated in 2025?

- Ans**
- ☐ A. Protect Biodiversity in Drylands
 - ☐ B. Biodiversity and Sustainable Tourism
 - ☒ C. Harmony with Nature and Sustainable Development
 - ☐ D. Biodiversity: Food, Water and Health for All

Q.83 Who among the following has received the National Geoscience Award for Lifetime Achievement in 2023?

- Ans**
- ☐ A. Prof. Neeraj Mohan Banerjee
 - ☒ B. Prof. Dheeraj Mohan Banerjee
 - ☐ C. Prof. Agraj Mohan Banerjee
 - ☐ D. Prof. Suraj Mohan Banerjee

Q.84 Which institute secured Rank 1 in the inaugural SDG category of NIRF 2025?

- Ans**
- ☐ A. IIT Bombay
 - ☐ B. IIT Kanpur
 - ☒ C. IIT Madras
 - ☐ D. IIT Delhi

Q.85 Who among the following was sworn in as the Chief Justice of India on 24 November 2025?

- Ans**
- ☐ A. D. Y. Chandrachud
 - ☒ B. Surya Kant
 - ☐ C. N. V. Ramana
 - ☐ D. Ranjan Gogoi

Q.86 Which novel by Nell Stevens exploring queerness in Victorian London was reviewed in June 2025?

- Ans**
- ☐ A. The Emperor of Gladness
 - ☒ B. The Original
 - ☐ C. The Devil's Party
 - ☐ D. Dream Count

Q.87 During the June 2025 Monetary Policy Committee meeting, the Reserve Bank of India cut cash reserve ratio (CRR) by how many bps?

- Ans**
- ☒ A. 50
 - ☐ B. 75
 - ☐ C. 100
 - ☐ D. 150

Q.88 Where did President of India Droupadi Murmu launch India's first home-grown anti-cancer CAR-T cell therapy?

- Ans**
- ☐ A. All India Institute of Medical Sciences, New Delhi
 - ☐ B. Indian Institute of Technology Delhi
 - ☒ C. Indian Institute of Technology Bombay
 - ☐ D. Indian Institute of Technology Madras

Q.89 Which two ministries are involved in the Nurturing Aspirations through Vocational Training for Young Adolescent Girls (NAVYA) initiative?

- Ans**
- ☐ A. Ministry of Health and Family Welfare, and Ministry of Women and Child Development (MWCD)
 - ☐ B. Ministry of Youth Affairs and Sports, and Ministry of Women and Child Development (MWCD)
 - ☒ C. Ministry of Women and Child Development (MWCD), and Ministry of Skill Development and Entrepreneurship (MSDE)
 - ☐ D. Ministry of Women and Child Development (MWCD), and Ministry of Education

Q.90 Which of the following three-city groups emerged as the top 'Swachh Shehar' in the (more than 10 lakhs population) Swachh Survekshan 2024-25 awards hosted by the Ministry of Housing and Urban Affairs?

- Ans**
- ☐ A. Mumbai, Bengaluru, Patna
 - ☒ B. Ahmedabad, Bhopal, Lucknow
 - ☐ C. Pune, Indore, Surat
 - ☐ D. Jaipur, Hyderabad, Kochi

Q.91 Under the Environment Audit Rules, 2025, who is eligible to conduct environmental audits, and how are auditors assigned to project entities?

- Ans**
- ☒ A. Registered Environment Auditors; random assignment method
 - ☐ B. Industry-nominated auditors; allocation by industry association
 - ☐ C. Self-selected auditors; nomination by state government
 - ☐ D. Project-appointed auditors; voluntary selection

Q.92 In July 2025, two high-speed unmanned aerial targets were successfully destroyed using the Akash Prime weapon system in which Union Territory of India?

- Ans**
- ☒ A. Ladakh
 - ☐ B. Puducherry
 - ☐ C. Andaman and Nicobar Islands
 - ☐ D. Lakshadweep

Q.93 Who was the chief guest at India's 76th Republic Day parade in 2025?

- Ans**
- ☐ A. Joe Biden
 - ☒ B. Prabowo Subianto
 - ☐ C. Emmanuel Macron
 - ☐ D. Vladimir Putin

Q.94 In which city was the 15th edition of the Hockey India Senior Men National Championship 2025 conducted?

- Ans**
- ☐ A. Lucknow
 - ☐ B. Bhopal
 - ☒ C. Jhansi
 - ☐ D. Ranchi

Q.95 How many Padma Bhushan awards were announced in 2025?

- Ans**
- ☒ A. 19
 - ☐ B. 23
 - ☐ C. 25
 - ☐ D. 21

Q.96 In September 2025, the Commission for Air Quality Management (CAQM) held detailed review meetings on preparedness to prevent paddy stubble burning during the harvest season with which two state governments?

- Ans**
- ☐ A. Punjab and Rajasthan
 - ☒ B. Punjab and Haryana
 - ☐ C. Haryana and Uttar Pradesh
 - ☐ D. Haryana and Uttarakhand

Q.97 Which national team secured its first-ever title at the 2025 IIHF Women's Asia Cup held in Al-Ain, UAE?

- Ans**
- ☒ A. Philippines
 - ☐ B. China
 - ☐ C. Japan
 - ☐ D. Iran

Q.98 In May 2025, India attacked which country with a BrahMos missile?

- Ans**
- ☐ A. Iran
 - ☐ B. Afghanistan
 - ☐ C. Iraq
 - ☒ D. Pakistan

Q.99 In June 2025, what was the reduced repo rate?

- Ans**
- ☐ A. 5.25%
 - ☒ B. 5.50%
 - ☐ C. 6.00%
 - ☐ D. 5.75%

Q.100 The Indian hockey legend PR Sreejesh was recognized with what specific prestigious honour by President Droupadi Murmu on 28 April 2025, at Rashtrapati Bhavan?

- Ans**
- ☒ A. Padma Bhushan
 - ☐ B. Padma Shri
 - ☐ C. Padma Vibhushan
 - ☐ D. Arjuna Award



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Zoo Park Tirupathi
Test Date	06/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 A molecule of methane contains one carbon atom bonded to four hydrogen atoms. What is the chemical formula for methane?

- Ans ☒ A. C₄H
☒ B. CH₄
☒ C. C₂H₄
☒ D. CH₃

Q.2 A wire of resistivity ρ , has a length L and area of cross-section A . If the resistance of the wire is R , then which of the following is the correct relation for R ?

- Ans ☒ A. $R = L/\rho A$
☒ B. $R = \rho LA$
☒ C. $R = A\rho/L$
☒ D. $R = \rho L/A$

Q.3 Which gas is released when hydrochloric acid reacts with calcium carbonate?

- Ans ☒ A. Nitrogen
☒ B. Hydrogen
☒ C. Carbon dioxide
☒ D. Oxygen

Q.4 When a force is applied at 90° to the direction of displacement of an object, the work done:

- Ans ☒ A. cannot be determined
☒ B. is zero
☒ C. is maximum
☒ D. is minimum but not zero

Q.5 Consider the following statements and select the correct option.

Statement A: Small quantities of ethanol cause drunkenness.

Statement B: Intake of pure ethanol is safe for health.

- Ans**
- ☒ A. Statement A is correct, but B is incorrect.
 - ☐ B. Statement A is incorrect, but B is correct.
 - ☐ C. Both statements A and B are incorrect.
 - ☐ D. Both statements A and B are correct.

Q.6 Which component of blood serves as the fluid matrix in which cells are suspended?

- Ans**
- ☒ A. Plasma
 - ☐ B. White blood cells
 - ☐ C. Red blood cells
 - ☐ D. Platelets

Q.7 Which of the following statements about Newton's third law of motion is incorrect?

- Ans**
- ☐ A. The forces are equal in magnitude but opposite in direction.
 - ☐ B. The action and reaction forces act on the same object.
 - ☐ C. When one object exerts a force on another, the second object exerts an equal and opposite force back.
 - ☒ D. The forces act simultaneously on two different objects.

Q.8 In plants, after fertilisation, the ovule develops into which of the following?

- Ans**
- ☒ A. Seed
 - ☐ B. Endosperm
 - ☐ C. Fruit
 - ☐ D. Embryo

Q.9 What will the distance-time graph look like for an object moving with uniform speed?

- Ans**
- ☐ A. The graph cannot be drawn.
 - ☐ B. The graph looks like a sine wave.
 - ☒ C. The graph is a straight line.
 - ☐ D. The graph is a zig zag line.

Q.10 The cellular organelles are suspended in a jelly called _____.

- Ans**
- ☒ A. Cytoplasm
 - ☐ B. Nucleoplasm
 - ☐ C. Stroma
 - ☐ D. Lumen

Q.11 Lenses are used in spectacles to correct vision because they work on the principle of _____.

- Ans**
- ☐ A. Polarization
 - ☒ B. Refraction
 - ☐ C. Diffraction
 - ☐ D. Reflection

Q.12 In a large population of sweet pea plants growing in stable conditions, which of the following best explains why genetic variation through sexual reproduction is still crucial for their long-term survival?

- Ans
- ☐ A. Sweet pea plants reproduce faster sexually than asexually, ensuring more biomass production.
 - ☒ B. Hidden (recessive) alleles in sweet peas may offer resistance against future environmental stress.
 - ☐ C. Genetic variation ensures uniform flower color and height across future generations.
 - ☐ D. Variation helps sweet pea plants avoid cross-pollination, maintaining purity of the parental line.

Q.13 Which method is commonly used to prevent rusting of Iron?

- Ans
- ☐ A. Melting
 - ☐ B. Heating
 - ☒ C. Galvanisation
 - ☐ D. Magnetising

Q.14 Which of the following feature enables muscular tissue to produce movement in animals?

- Ans
- ☐ A. Storage of fat droplets
 - ☐ B. Ability to transmit nerve impulses
 - ☒ C. Presence of contractile proteins
 - ☐ D. Secretion of digestive enzymes

Q.15 What is ultrasonography used for during pregnancy?

- Ans
- ☒ A. To detect birth defects and monitor the baby's growth
 - ☐ B. To measure the mother's weight
 - ☐ C. To check the mother's heartbeat
 - ☐ D. To find the blood group of the baby

Q.16 The resistance of a metal wire of length 2 m is $10\ \Omega$ at 25°C . If the diameter of the wire is 0.4 mm, what will be the resistivity of the metal at that temperature?
[Given, $\pi = 3.14$]

- Ans
- ☐ A. $3.6 \times 10^{-6}\ \Omega\text{m}$
 - ☒ B. $6.3 \times 10^{-7}\ \Omega\text{m}$
 - ☐ C. $6.3 \times 10^{-5}\ \Omega\text{m}$
 - ☐ D. $1.55 \times 10^{-6}\ \Omega\text{m}$

Q.17 Which property best explains why solids have a definite shape and volume?

- Ans
- ☐ A. The particles have large spaces between them.
 - ☐ B. The particles can move freely past each other.
 - ☐ C. The particles are randomly arranged.
 - ☒ D. The particles are closely packed in a fixed arrangement.

Q.18 Which of the following statement(s) is/are true regarding a concave lens?

- (i) A concave lens is also called a diverging lens.
- (ii) A concave lens always forms a real and inverted image of the object placed anywhere in front of it.
- (iii) A concave lens always forms a virtual and erect image of the object placed anywhere in front of it.

- Ans
- ☐ A. Only (ii)
 - ☒ B. Both (i) and (iii)
 - ☐ C. Only (iii)
 - ☐ D. Both (i) and (ii)

Q.19 A substance is said to be reduced when:

- Ans**
- ☐ A. it loses oxygen only
 - ☐ B. it gains hydrogen only
 - ☐ C. it loses hydrogen or gains oxygen
 - ☒ D. it loses oxygen or gains hydrogen

Q.20 In plants that reproduce by budding, which process directly initiates the formation of a new individual?

- Ans**
- ☐ A. Development of seeds from flowers
 - ☒ B. Localized repeated cell division at a specific site
 - ☐ C. Random cell death in tissues
 - ☐ D. Fusion of gametes from different individuals

Q.21 Which of the following is a straight-chain saturated hydrocarbon?

- Ans**
- ☒ A. Butane
 - ☐ B. Propene
 - ☐ C. Benzene
 - ☐ D. Cyclohexane

Q.22 A ball is thrown up with a velocity of x m/s. The ball attains a maximum height of 50 m. What is the value of x ? (Take the value of g as 10 m/s^2)

- Ans**
- ☐ A. 1000 m/s
 - ☒ B. $10\sqrt{10}$ m/s
 - ☐ C. 100 m/s
 - ☐ D. 10 m/s

Q.23 A student wants to separate a heterogeneous mixture of mud and water collected from a pond. Based on your understanding of mixtures, which method would be most effective and why?

- Ans**
- ☐ A. Distillation, because it separates based on boiling points
 - ☐ B. Evaporation, because it removes the solvent
 - ☒ C. Filtration, because the solid particles in mud are not dissolved in water
 - ☐ D. Chromatography, because it separates based on movement in a medium

Q.24 Which part of the brain is primarily responsible for higher-level thought processes and complex interpretation of sensory information?

- Ans**
- ☐ A. The cerebellum
 - ☐ B. The spinal cord
 - ☐ C. The brainstem
 - ☒ D. The forebrain

Q.25 The way of obtaining fish from natural resources is called _____.

- Ans**
- ☐ A. Composite fishing
 - ☒ B. Capture fishing
 - ☐ C. Culture fishing
 - ☐ D. Farming fishing

Q.26 The selling price of an item including GST is ₹1,680. The rate of GST is 12%. Then what is the cost price of the article (in ₹)?

- Ans ☒ A. 1,250
☒ B. 1,205
☒ C. 1,280
☒ D. 1,520

Q.27 A person covers a certain distance with a speed of 17 km/h in 8 min. If he wants to cover the same distance in 5 min, what should be his speed?

- Ans ☒ A. 27.2 km/h
☒ B. 28.2 km/h
☒ C. 26.2 km/h
☒ D. 29.2 km/h

Q.28 A person earns ₹40,000 per month. He allocates 25% of his income to rent, 15% to food, and 10% to transportation, and saves the remainder. How much does he save every month?

- Ans ☒ A. ₹12,000
☒ B. ₹10,000
☒ C. ₹20,000
☒ D. ₹24,000

Q.29 The LCM of two numbers 216 and 120 is 1080. Find the HCF of these numbers.

- Ans ☒ A. 36
☒ B. 24
☒ C. 48
☒ D. 32

Q.30 Nilu covers a distance by walking for 6 h. While returning, her speed is 1/3 of her original speed. What was her speed while returning?

- Ans ☒ A. 4 km/h
☒ B. 5 km/h
☒ C. 7 km/h
☒ D. 2 km/h

Q.31 If $(4^2)^a \times (16^2)^{2a} \times (3^4)^b \times (9^2)^{2b} = 2^{20} \times (9^2)^6$, find the values of a and b, respectively.

- Ans ☒ A. 3, 2
☒ B. 2, 1
☒ C. 1, 2
☒ D. 2, 3

Q.32 The simplified value of $\left(x - \frac{1}{x}\right)\left(x + \frac{1}{x}\right)\left(x^2 + \frac{1}{x^2}\right)\left(x^4 + \frac{1}{x^4}\right)$ is:

- Ans
- ☐ A. $\left(x^7 - \frac{1}{x^7}\right)$
 - ☒ B. $\left(x^8 - \frac{1}{x^8}\right)$
 - ☐ C. $\left(x^8 + \frac{1}{x^8}\right)$
 - ☐ D. $\left(x^7 + \frac{1}{x^7}\right)$

Q.33 Four times the present age of Anil is equal to five times the present age of Bhavya. After 6 years, the age of Bhavya will be 6 years less than twice the present age of Anil. What is the difference (in years) between their present ages?

- Ans
- ☐ A. 3
 - ☐ B. 4
 - ☒ C. 2
 - ☐ D. 5

Q.34 A cistern has a leak at the bottom. A pipe can fill the cistern in 6 hours, but due to the leak, it takes 8 hours to fill the cistern. How long would the leak take to empty the full cistern?

- Ans
- ☒ A. 24 hours
 - ☐ B. 36 hours
 - ☐ C. 30 hours
 - ☐ D. 18 hours

Q.35 The average of the first 10 odd natural numbers is:

- Ans
- ☐ A. 11
 - ☐ B. 9.5
 - ☐ C. 10.5
 - ☒ D. 10

Q.36 The income of Amit in 2019 was ₹22,200. He gets an increment of 10% every year. What was his income (in ₹) in 2021?

- Ans
- ☐ A. 24,420
 - ☒ B. 26,862
 - ☐ C. 26,640
 - ☐ D. 22,200

Q.37 A basket contains 96 fruits consisting of mangoes and oranges. If there are 42 more mangoes than oranges, then how many mangoes are there?

- Ans
- ☐ A. 79
 - ☒ B. 69
 - ☐ C. 59
 - ☐ D. 49

Q.38 A shopkeeper offers the following four schemes.

- A) Two successive discounts of 19% and 19%
- B) Buy 2, get 10
- C) Discount of 11%
- D) Two successive discounts of 25% and 17%

Which scheme is best for customers?

Ans ☒ A. B

☐ B. A

☐ C. D

☐ D. C

Q.39 The volume of a solid cylinder is 6776 cm^3 and its height is 44 cm. What is the total surface area of the solid cylinder?

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

Ans ☒ A. 2244 cm^2

☐ B. 2273 cm^2

☐ C. 2221 cm^2

☐ D. 2227 cm^2

Q.40 A garrison of 1200 men has provisions for 13 days. How long (in days) will the provisions last if the garrison is increased by 360 men?

Ans ☐ A. 20

☐ B. 5

☐ C. 30

☒ D. 10

Q.41 The marked price of a jeans was ₹7,750 but the shopkeeper offered successive discounts of 20% and 30%. Ultimately for how much did he sell the item?

Ans ☐ A. ₹4,224

☒ B. ₹4,340

☐ C. ₹4,356

☐ D. ₹4,397

Q.42 ₹12,986 is divided among A, B and C in such a way that if ₹33, ₹70 and ₹19 are deducted from their respective shares, they have money in the ratio 14:8:2. Find the difference between B's and C's original shares.

Ans ☐ A. ₹3,116

☐ B. ₹3,366

☐ C. ₹3,166

☒ D. ₹3,267

Q.43 In an equilateral triangle ABC, point D lies on side BC such that, $3BD = BC$. Which of the following relations is correct?

Ans ☐ A. $3AD^2 = 4AB^2$

☐ B. $7AD^2 = 9AB^2$

☐ C. $4AD^2 = 3AB^2$

☒ D. $9AD^2 = 7AB^2$

Q.44 If $\sin \theta = 3/5$, then find the value of $\cos \theta$.

- Ans ☐ A. $5/4$
☐ B. $\frac{\sqrt{3}}{2}$
☒ C. $4/5$
☐ D. $3/5$

Q.45 The price of a faucet and a wash basin are ₹860 and ₹2900, respectively. If the price of the faucet and that of the wash basin is increased by 5% and 10%, respectively, then find the price of 6 faucets and 6 wash basins.

- Ans ☐ A. ₹22,560
☒ B. ₹24,558
☐ C. ₹36,500
☐ D. ₹20,550

Q.46 If ₹2,443 is divided among 363 children such that each girl and each boy get ₹6 and ₹7, respectively, then how many boys are there?

- Ans ☐ A. 285
☒ B. 265
☐ C. 225
☐ D. 325

Q.47 The arithmetic mean of the observations 67, 76, 97, 34, 38, 63, 95, 95 and 74 is:

- Ans ☐ A. 63
☒ B. 71
☐ C. 62
☐ D. 68

Q.48 One pipe can fill a tank in 9 minutes, while another pipe can empty the completely filled tank in 12 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans ☐ A. 19
☒ B. 18
☐ C. 37
☐ D. 36

Q.49 Find the perimeter of the minor sector of a circle of radius 21 m subtending an angle of 45° at the centre. (Use $\pi = \frac{22}{7}$)

- Ans ☐ A. 56.5 m
☐ B. 52.5 m
☒ C. 58.5 m
☐ D. 50.5 m

Q.50 The amount on a sum of ₹8,400 at 15% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☒ A. ₹11,109
☐ B. ₹10,837
☐ C. ₹11,668
☐ D. ₹11,339

Q.51 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 one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans** ☒ A. TYC
☒ B. EIM
☒ C. WBF
☒ D. MRV

Q.52 Six people G, H, I, Q, R and S are sitting in a straight line facing the north. Only three people are seated to the left of H. Only Q is seated to the right of S. Only three people are seated between Q and I. G is seated at some place to the right of R. How many people are seated between R and S?

- Ans** ☒ A. Two
☒ B. One
☒ C. Four
☒ D. Three

Q.53 What should come in place of the question mark (?) in the given series?

158 169 191 224 268 ?

- Ans** ☒ A. 332
☒ B. 312
☒ C. 321
☒ D. 323

Q.54 This question is based on the five, three-digit numbers given below.

(Left) 629 125 534 756 438 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

- Ans** ☒ A. Two
☒ B. None
☒ C. Three
☒ D. One

Q.55 What should come in place of ? in the given series?

30 36 47 63 84 ?

- Ans** ☒ A. 110
☒ B. 112
☒ C. 109
☒ D. 111

Q.56 What should come in place of ? in the given series in order to make it logically complete?

AZ81 BC64 DG49 GL36 ?

- Ans** ☒ A. JS25
☒ B. JT25
☒ C. KR16
☒ D. KR25

Q.57 JITD is related to EEQB in a certain way based on the English alphabetical order. In the same way, QHSB is related to LDPZ. To which of the following is TNYT related to following the same logic?

- Ans ☐ A. OKUR
☒ B. OJVR
☐ C. PKVS
☐ D. PJUS

Q.58 If 'I' stands for '+', 'J' stands for '×', 'K' stands for '÷' and 'L' stands for '-', then what will come in place of question mark (?) in the following equation?

$$59 J 4 K 2 I 150 J 2 L 102 K 2 L 15 K 5 L 10 = ?$$

- Ans ☐ A. 312
☐ B. 298
☐ C. 376
☒ D. 354

Q.59 All 36 students in a class are standing in a row, facing north. Priya is 9th from the left end while Neeraj is 27th from the right end. How many people stand between Priya and Neeraj?

- Ans ☐ A. 2
☐ B. 1
☐ C. 3
☒ D. 0

Q.60 In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the father of B',
A × B means 'A is the brother of B' and
A ÷ B means 'A is the mother of B'.

How is N related to S if 'N ÷ O × P - Q + S'?

- Ans ☐ A. Mother's sister
☒ B. Father's mother
☐ C. Father's sister
☐ D. Sister

Q.61 What should come in place of '?' in the given series?
153 164 177 192 209 ?

- Ans ☐ A. 230
☐ B. 227
☒ C. 228
☐ D. 226

Q.62 Refer to the following series and answer the question (all numbers are single-digit numbers only) (Counting to be done from left to right only)
(Left) 3 7 9 8 5 3 6 2 2 1 5 3 7 1 5 7 5 7 1 8 4 3 6 9 7 4 4 (Right)
How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- Ans ☐ A. One
☐ B. Three
☐ C. Two
☒ D. More than three

Q.63 In a certain code language, 'YARN' is coded as '5731' and 'ROSE' is coded as '2148'. What is the code for 'R' in the given code language?

- Ans** ☒ A. 1
☐ B. 3
☐ C. 2
☐ D. 4

Q.64 Ravi drove 20 km from his office towards the north. He then took a right turn and drove 5 km. He took another right turn and drove 10 km, and then turned right, drove 5 km, and stopped at point A. How far is Ravi from his initial position?

(Note: All turns are 90° turns only unless specified.)

- Ans** ☐ A. 5 km
☐ B. 15 km
☐ C. 20 km
☒ D. 10 km

Q.65 Refer to the following series and answer the question (all numbers are single digit numbers only).
(Left) 8 6 5 6 7 2 5 9 8 6 3 2 3 3 4 4 4 6 1 4 4 1 4 5 2 6 6 (Right)
How many such even numbers are there (from left to right) each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans** ☐ A. 3
☐ B. 5
☐ C. 6
☒ D. 4

Q.66 Refer to the given series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 6 6 8 6 7 4 5 9 9 1 7 6 8 1 4 5 4 7 1 4 1 1 4 3 5 4 3 (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. 0
☐ B. 2
☒ C. 1
☐ D. 3

Q.67 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$42 \times 7 \div 8 - 16 \div 9 = ?$$

- Ans** ☐ A. 60
☒ B. 55
☐ C. 52
☐ D. 50

Q.68 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. TG - XK
 - ☒ B. BN - GS
 - ☐ C. VR - ZV
 - ☐ D. DW - HA

Q.69 Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north. Only two people sit to the left of U. Only three people sit between U and R. Only one person sits between R and S. E sits to the immediate left of A. D is not an immediate neighbor of R.
How many people sit to the right of Q?

- Ans**
- ☐ A. Two
 - ☒ B. One
 - ☐ C. Three
 - ☐ D. Four

Q.70 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 14, 35)
(4, 13, 33)

- Ans**
- ☐ A. (16, 7, 21)
 - ☒ B. (10, 19, 45)
 - ☐ C. (8, 17, 27)
 - ☐ D. (7, 16, 40)

Q.71 Raman ranked 10th from the top and 5th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 11
 - ☒ B. 14
 - ☐ C. 12
 - ☐ D. 10

Q.72 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of A. E sits to the immediate left of A. C is the immediate neighbour of F and G. D sits second to the left of F.
How many people sit between E and G when counted from the left of E?

- Ans**
- ☐ A. One
 - ☐ B. Four
 - ☐ C. Three
 - ☒ D. None

Q.73 ANTY is related to CKOZ in a certain way based on English alphabetical order. In the same way, UIQL is related to WFLM. To which of the following is DSNB related to, following the same logic?

- Ans** ☒ A. FPIC
☒ B. EPLD
☒ C. HPKD
☒ D. GPKC

Q.74 In a certain code language, 'TEAR' is coded as '5731' and 'POST' is coded as '2148'. What is the code for 'T' in the given code language?

- Ans** ☒ A. 8
☒ B. 5
☒ C. 2
☒ D. 1

Q.75 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5431786, what will be difference between the highest and lowest digits in the number thus formed?

- Ans** ☒ A. 6
☒ B. 8
☒ C. 10
☒ D. 14

Q.76 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 bats are nets.

All cubs are nets.

Conclusions:

(I) Some bats are cubs.

(II) All nets are cubs.

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

Q.77 LMUG is related to RHYD in a certain way. In the same way, JNSF is related to PIWC. To which of the following is HIVT related, following the same logic?

- Ans** ☒ A. NDZQ
☒ B. MDYQ
☒ C. MEZR
☒ D. NEYR

Q.78 Anand starts from Point A and drives 43 km towards the south. He then takes a left turn, drives 40 km, turns left and drives 45 km. He then takes a left turn and drives 51 km. He takes a final left turn, drives 2 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. 13 km to the west
☒ B. 12 km to the west
☒ C. 10 km to the east
☒ D. 11 km to the east

Q.79 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
FVO 18, DTM 29, BRK 40, ZPI 51, ?

- Ans
- ☒ A. WNH 61
 - ☒ B. XNG 62
 - ☒ C. XNF 62
 - ☒ D. YNF 65

Q.80 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:

All pencils are erasers.
All pencils are rulers.
All rulers are boxes.

Conclusions:

(I) All pencils are boxes.
(II) Some rulers are erasers.

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

Section : General Awareness and Current Affairs

Q.81 In 2025, which ministry launched the Trade Intelligence and Analytics Portal to offer transparent and real-time trade data?

- Ans
- ☒ A. Ministry of Commerce and Industry
 - ☒ B. Ministry of Finance
 - ☒ C. Ministry of Statistics and Programme Implementation
 - ☒ D. Ministry of External Affairs

Q.82 Which of the following was the first integrated multi-state mock drill in Delhi-NCR, simulating a large-scale earthquake across 55 locations, conducted from 1 August 2025?

- Ans
- ☒ A. Exercise Surya Kiran
 - ☒ B. Exercise Sahayata Setu
 - ☒ C. Exercise Tristate Shakti
 - ☒ D. Exercise Suraksha Chakra

Q.83 Which is the first fully indigenous microprocessor developed by C-DAC under the Microprocessor Development Programme in 2025?

- Ans
- ☒ A. PARAM32
 - ☒ B. PRATYUSH55
 - ☒ C. DHRUV64
 - ☒ D. SHAKTI101

Q.84 Which of the following volcanoes, located in Ethiopia, was in the news in November 2025 for erupting for the first time in recorded history?

- Ans
- ☒ A. Kilauea
 - ☒ B. Mount Semeru
 - ☒ C. Hayli Gubbi
 - ☒ D. Krasheninnikov

Q.85 Which of the following countries was among the 37 countries that presented its Voluntary National Review (VNR) at the High-Level Political Forum (HLPF) held in July 2025?

- Ans**
- ☐ A. China
 - ☐ B. Sri Lanka
 - ☒ C. India
 - ☐ D. Nepal

Q.86 Who scored 759 runs to win the IPL 2025 Orange Cap for Gujarat Titans?

- Ans**
- ☐ A. Rajat Patidar
 - ☒ B. Sai Sudharsan
 - ☐ C. Virat Kohli
 - ☐ D. Suryakumar Yadav

Q.87 What was the theme of India's 76th Republic Day celebrated on 26 January 2025?

- Ans**
- ☐ A. Atmanirbhar Bharat: Udaan Nayi Soch Ki
 - ☒ B. Swarnim Bharat: Virasat aur Vikas
 - ☐ C. Ek Bharat Shreshtha Bharat
 - ☐ D. Digital India: Power to Empower

Q.88 In July 2025, which panel has suggested revising the 'Guidelines for declaration of ESZ, 2011' issued by the Ministry of Environment, Forest and Climate Change (MoEFCC)?

- Ans**
- ☒ A. The Standing Committee of the National Board for Wildlife
 - ☐ B. The Standing Committee of Central Pollution Control Board
 - ☐ C. The Standing Committee of Ministry of Rural Development
 - ☐ D. The Standing Committee of National Tiger Conservation Authority

Q.89 Which city hosted the 2024 National Boxing Championships from 6 to 13 January?

- Ans**
- ☐ A. Jaipur
 - ☐ B. Guwahati
 - ☒ C. Bareilly
 - ☐ D. Patna

Q.90 As per the new Know Your Customer (KYC) relaxations of the Reserve Bank of India (RBI) notified in May 2025, low-risk customers are allowed to continue transactions without KYC until ____.

- Ans**
- ☐ A. 31 December 2025
 - ☐ B. 30 June 2025
 - ☐ C. 31 March 2026
 - ☒ D. 30 June 2026

Q.91 According to a US business intelligence report, who was the most popular democratic leader in July 2025?

- Ans**
- ☐ A. Amit Shah
 - ☒ B. Narendra Modi
 - ☐ C. Rahul Gandhi
 - ☐ D. Nirmala Sitharaman

Q.92 Who is the 2025 World Junior champion of the open section of Atomic Chess Championship held at Petrovac, Montenegro?

- Ans**
- ✓ A. Pranav Venkatesh
 - ✗ B. Pentala Harikrishan
 - ✗ C. GM Amar Elham
 - ✗ D. Matic Lavrencic

Q.93 Which international joint naval exercise in a disputed maritime region raised eyebrows in 2025?

- Ans**
- ✗ A. Exercise Ajeya Warrior in the Bay of Bengal
 - ✗ B. Iron Fist Drill with Russia in the Indian Ocean
 - ✓ C. India–Philippines naval drill in the South China Sea
 - ✗ D. Exercise Malabar with India and Australia near the Malacca Strait

Q.94 Under which Article of the Constitution of India was Justice Meenakshi Madan Rai appointed by the President to perform the duties of the Chief Justice of the Sikkim High Court in December 2025?

- Ans**
- ✗ A. Article 124
 - ✗ B. Article 226
 - ✓ C. Article 223
 - ✗ D. Article 217

Q.95 The 11th edition of the Joint Military Exercise 'MITRA SHAKTI-2025' between India and Sri Lanka was held in which of the following cities?

- Ans**
- ✓ A. Belagavi
 - ✗ B. Jodhpur
 - ✗ C. Chennai
 - ✗ D. Kochi

Q.96 Who became the sixth male golfer in history to complete a career Grand Slam by winning the 2025 Masters Tournament?

- Ans**
- ✗ A. Phil Mickelson
 - ✗ B. Jordan Spieth
 - ✓ C. Rory McIlroy
 - ✗ D. Tiger Woods

Q.97 In April 2025, the Securities and Exchange Board of India (SEBI) came out with the operational framework for PaRRVA. What is the purpose of PaRRVA?

- Ans**
- ✗ A. Settling trading disputes
 - ✗ B. Approving mutual fund licences
 - ✗ C. Tax auditing of listed firms
 - ✓ D. Verifying investment performance claims

Q.98 In September 2025, TDK Corporation inaugurated its Advanced Technologies Lithium-ion Battery Manufacturing Plant in which Indian state?

- Ans**
- ✗ A. Rajasthan
 - ✗ B. Kerala
 - ✓ C. Haryana
 - ✗ D. Uttarakhand

Q.99 Which of the following countries is set to host the first ever Olympic Esports Games, as announced by the International Olympic Committee (IOC) in 2027?

- Ans**
- ☐ A. China
 - ☒ B. Saudi Arabia
 - ☐ C. Qatar
 - ☐ D. France

Q.100 Which group of people is expected to benefit the most from the removal of minimum balance penalties by Indian Bank and Punjab National Bank in July 2025?

- Ans**
- ☒ A. Rural citizens and low-income account holders
 - ☐ B. Urban business executives and corporate professionals
 - ☐ C. College students and monthly salaried employees
 - ☐ D. High-income investors and wealthy individuals



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone IDZ Trichy II
Test Date	06/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following is a traditional water harvesting method in Rajasthan, India?

- Ans
- ☒ A. Borewell
 - ☒ B. Check dam
 - ☒ C. Johad
 - ☒ D. Hand pump

Q.2 Which process occurring in the Golgi apparatus shows its role in synthesis?

- Ans
- ☒ A. Conversion of proteins into amino acids
 - ☒ B. Absorption of water through osmosis
 - ☒ C. Formation of complex sugars from simple sugars
 - ☒ D. Synthesis of nucleic acids from ribosomes

Q.3 Which of the following is a heterogeneous mixture?

- Ans
- ☒ A. Salt solution
 - ☒ B. Air
 - ☒ C. Sugar solution
 - ☒ D. Sand and water

Q.4 Which rule helps in identifying the direction of the force acting on a current-carrying conductor placed in a magnetic field?

- Ans
- ☒ A. Ohm's law
 - ☒ B. Right-hand thumb rule
 - ☒ C. Maxwell's corkscrew rule
 - ☒ D. Fleming's left-hand rule

Q.5 Which of the following statement(s) is/are true about the buoyant force experienced by an object when it is immersed in a fluid?

- (i) All objects experience a force of buoyancy when they are immersed in a fluid.
- (ii) The magnitude of this buoyant force depends on the density of the fluid.

Ans ☒ A. Only (i)
☒ B. Neither (i) nor (ii)
☒ C. Only (ii)
☒ D. Both (i) and (ii)

Q.6 Arrange the following steps in correct sequence during the process of fragmentation-based reproduction:

1. Growth of lost body parts through mitosis
2. Breakdown of body/filament into fragments
3. A Mature organism lives independently
4. Each fragment develops into a complete organism

Ans ☒ A. 1 – 2 – 4 – 3
☒ B. 2 – 4 – 1 – 3
☒ C. 4 – 2 – 1 – 3
☒ D. 2 – 1 – 4 – 3

Q.7 If a particle covers a distance of 12 m in every 3 s, what is the slope of its distance-time graph?

Ans ☒ A. 0.25 m/s
☒ B. 3.0 m/s
☒ C. 12.0 m/s
☒ D. 4.0 m/s

Q.8 A plant breeder crosses two pure-breeding pea plants—one producing round seeds and the other producing wrinkled seeds. Based on Mendel's findings, what phenotype would all the seeds in the F_1 generation display?

Ans ☒ A. Round seeds
☒ B. Wrinkled seeds
☒ C. Half round, half wrinkled
☒ D. A mix of round and wrinkled in varying proportions

Q.9 The process by which the eye lens changes its focal length to focus on near or distant objects is called _____.

Ans ☒ A. Adaptation
☒ B. Reflection
☒ C. Accommodation
☒ D. Adjustment

Q.10 When the frequency of vibration of a sound source increases, the resulting sound will have _____.

Ans ☒ A. Greater loudness
☒ B. Smaller amplitude
☒ C. Higher pitch
☒ D. Lower pitch

Q.11 The common name for *Apis florea* is:

Ans ☒ A. The giant bee
☒ B. The little bee
☒ C. The dwarf bee
☒ D. The Asian bee

Q.12 When copper reacts with oxygen on heating in air, which of the following correctly represents the product formed, along with its colour?

- Ans**
- ☐ A. Copper(I) oxide (Cu_2O) – white in colour
 - ☒ B. Copper(II) oxide (CuO) – black in colour
 - ☐ C. Copper(II) oxide (CuO) – brown in colour
 - ☐ D. Copper(I) oxide (Cu_2O) – red in colour

Q.13 Which of the following conditions are essential for the rusting of iron?

- Ans**
- ☐ A. Presence of only oxygen
 - ☒ B. Presence of both oxygen and water (moisture)
 - ☐ C. Presence of carbon dioxide
 - ☐ D. Presence of only water (moisture)

Q.14 A reaction in which the positive and negative ions of two ionic compounds exchange places to form two new compounds is an example of:

- Ans**
- ☐ A. Combination reaction
 - ☐ B. Decomposition reaction
 - ☒ C. Double displacement reaction
 - ☐ D. Displacement reaction

Q.15 Which of the following correctly represents the mass number of an element?

- Ans**
- ☐ A. The difference between protons and neutrons
 - ☐ B. The number of protons only
 - ☒ C. The sum of protons and neutrons
 - ☐ D. The number of electrons

Q.16 Which of the following correctly represents the pathway of air during respiration in human beings?

- Ans**
- ☒ A. Nostrils → Throat → Lungs → Alveoli
 - ☐ B. Nostrils → Food pipe → Heart → Lungs
 - ☐ C. Mouth → Stomach → Lungs → Alveoli
 - ☐ D. Mouth → Heart → Lungs → Diaphragm

Q.17 When the distance–time graph of an object is a curved line, it indicates that _____.

- Ans**
- ☐ A. The object remains stationary
 - ☒ B. The speed of the object is changing with time
 - ☐ C. The object is moving with a constant speed
 - ☐ D. There is no acceleration in the motion

Q.18 Which factor does NOT increase the rate of evaporation?

- Ans**
- ☐ A. Decrease in humidity
 - ☒ B. Decrease in temperature
 - ☐ C. Increase in surface area
 - ☐ D. Increase in wind speed

Q.19 According to Right Hand Thumb Rule, if the curling of the fingers of our right hand gives the direction of magnetic field, then the thumb of our right hand is aligned along the direction of which physical quantity?

- Ans**
- ☐ A. Induced Current in the conductor
 - ☐ B. Electric field applied across the conductor
 - ☐ C. Force acting on the conductor
 - ☒ D. Current flowing through the conductor

Q.20 Which of the following is a combination reaction?

- Ans
- ☐ A. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$
 - ☐ B. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
 - ☒ C. $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$
 - ☐ D. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$

Q.21 Which of the following is the energy possessed by a body by virtue of its position, shape and configuration?

- Ans
- ☒ A. Potential Energy
 - ☐ B. Muscular Energy
 - ☐ C. Heat Energy
 - ☐ D. Kinetic Energy

Q.22 Which of the following is true for mitosis but not for meiosis?

- Ans
- ☐ A. Results in haploid cells
 - ☐ B. Promotes genetic variation
 - ☐ C. Occurs in reproductive cells
 - ☒ D. Produces identical daughter cells

Q.23 Which of the following is most important for child-bearing and women's health?

- Ans
- ☐ A. Skipping meals
 - ☐ B. Intake of too much caffeine
 - ☒ C. Proper diet and prenatal care
 - ☐ D. Smoking daily

Q.24 Metals are generally good conductors of heat. Which of the following is an exception to this?

- Ans
- ☐ A. Aluminium
 - ☐ B. Iron
 - ☐ C. Copper
 - ☒ D. Mercury

Q.25 If the power of a lens is -4 D , which of the following is true about the lens?

- Ans
- ☐ A. It is a concave lens of focal length 0.4 m .
 - ☒ B. It is a concave lens of focal length 25 cm .
 - ☐ C. It is a convex lens of focal length 2.5 m .
 - ☐ D. It is a convex lens of focal length 25 cm .

Section : Mathematics

Q.26 Find the single discount equivalent to two successive discounts of 29% and 28% .

- Ans
- ☐ A. 47.39%
 - ☐ B. 51.29%
 - ☐ C. 46.03%
 - ☒ D. 48.88%

Q.27 The average of the first 14 odd natural numbers, is:

- Ans
- ☐ A. 15
 - ☒ B. 14
 - ☐ C. 13.5
 - ☐ D. 14.5

Q.28 The lengths of the parallel sides of a trapezium are 20 cm and 10 cm, respectively. The lengths of the two non-parallel sides are 13 cm each. Find the area (in cm^2) of the trapezium.

Ans ☒ A. 180

☐ B. 160

☐ C. 140

☐ D. 120

Q.29 Keshav bought 52 books for ₹1,120 from one shop and 47 books for ₹915 from another. What is the average price (in ₹, rounded off to two decimal places) he paid per book?

Ans ☐ A. 22.56

☐ B. 23.56

☐ C. 21.56

☒ D. 20.56

Q.30 A metallic cylindrical pipe has outer radius 7 cm, inner radius 5 cm, and length 14 cm. Find the volume of the metal used in the pipe.

Ans ☐ A. $346\pi \text{ cm}^3$

☐ B. $342\pi \text{ cm}^3$

☒ C. $336\pi \text{ cm}^3$

☐ D. $352\pi \text{ cm}^3$

Q.31 A, B and C are three candidates in an election. A got 18% votes and B got 43% votes, whereas C was on second rank. If B won the election by 6,996 votes, then find the total number of votes.

Ans ☒ A. 1,74,900

☐ B. 1,57,980

☐ C. 1,55,545

☐ D. 1,61,230

Q.32 Two bells in a school ring at 8 am. One bell rings after every 30 minutes and the other after every 40 minutes. If the school gets over at 2 pm, how many times in a day do the bells ring together?

Ans ☐ A. 5

☐ B. 2

☒ C. 4

☐ D. 3

Q.33 In an election, 8640 people or 72% of the eligible voters cast their votes. If the number of eligible voters increases by 8% next year, how many eligible voters will there be in total next year?

Ans ☐ A. 13,960

☐ B. 12,860

☒ C. 12,960

☐ D. 13,860

Q.34 A shopkeeper marks an article at ₹x and offers a discount of 63% on the marked price. He sells it for ₹481 after charging VAT of 25% on the discounted price. What is the value of x?

Ans ☐ A. 1,300

☐ B. 1,100

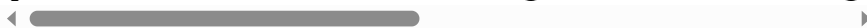
☐ C. 1,200

☒ D. 1,040

Q.35 Compare P and Q, if $P = 5:2$ and $Q = 3:7$.

- Ans
- ☐ A. $P = Q$
 - ☐ B. $P = 2Q$
 - ☒ C. $P > Q$
 - ☐ D. $P < Q$

Q.36 A person has to cover a distance of 40 km in 5 hour. If he covers one speed (in km/h) be to cover the remaining distance in the remaining ti



- Ans
- ☐ A. 13
 - ☐ B. 6
 - ☐ C. 4
 - ☒ D. 9

Q.37 Which of the following numbers is divisible by 45?

- Ans
- ☐ A. 555555
 - ☒ B. 20475
 - ☐ C. 306999
 - ☐ D. 25436

Q.38 Pipe A and Pipe B can fill a cistern together in 8 hours. Pipe B is 25% more efficient than Pipe A. Find the capacity of the cistern, if it is given that pipe A fills the cistern at a speed of 5 litres per minute.

- Ans
- ☐ A. 4200 litres
 - ☐ B. 8240 litres
 - ☒ C. 5400 litres
 - ☐ D. 7000 litres

Q.39 $(x - 2)^2$ is equal to:

- Ans
- ☒ A. $x^2 - 4x + 4$
 - ☐ B. $x^2 - 4x + 2$
 - ☐ C. $x^2 + 4x + 4$
 - ☐ D. $x^2 - 2x + 4$

Q.40 A shopkeeper marks an article at ₹2,000 and offers a discount of 10%. What is the selling price?

- Ans
- ☐ A. ₹1,850
 - ☐ B. ₹1,900
 - ☐ C. ₹1,950
 - ☒ D. ₹1,800

Q.41 A car travels from city X to city Y, covering the first 120 km at a speed of 50 km/h and the remaining 180 km at a speed of 80 km/h. Calculate the average speed for the entire journey. (round off your answer to two decimal places).

- Ans
- ☐ A. 63.52 km/h
 - ☐ B. 64.92 km/h
 - ☒ C. 64.52 km/h
 - ☐ D. 64.12 km/h

Q.42 One pipe can fill a tank in 6 minutes, while another pipe can empty the completely filled tank in 24 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans** ☒ A. 4
☐ B. 5
☐ C. 9
☐ D. 8

Q.43 Tom has been saving money for a new bike and has ₹12,000 in his saving account. He decides to save an additional ₹1,500 each week. How many weeks will it take for Tom to have a total of ₹21,000?

- Ans** ☐ A. 8 weeks
☐ B. 7 weeks
☐ C. 5 weeks
☒ D. 6 weeks

Q.44 The sum of all the interior angles of a polygon is 4500° . How many sides does it have?

- Ans** ☐ A. 24
☐ B. 25
☒ C. 27
☐ D. 26

Q.45 Simplify: $\sqrt{2061} - \sqrt{1268} + \sqrt{850} - 66$

- Ans** ☐ A. 44
☐ B. 47
☒ C. 45
☐ D. 46

Q.46 The amount on a sum of ₹6,200 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☐ A. ₹9,928
☒ B. ₹8,928
☐ C. ₹8,670
☐ D. ₹8,036

Q.47 The ratio of the ages of A and B at present is 5 : 1. Five years earlier from now, the ratio was 6 : 1. Find the present age of B.

- Ans** ☐ A. 20 years
☒ B. 25 years
☐ C. 30 years
☐ D. 35 years

Q.48 The ratio of Ratnesh's monthly income to expenditure is 12 : 7. His income is increased by 40% and expenditure is increased by 50%. What is the new ratio of income to expenditure?

- Ans** ☐ A. 11 : 6
☒ B. 8 : 5
☐ C. 4 : 3
☐ D. 10 : 7

Q.49 Simplify: $\tan^4 \theta + \tan^2 \theta$

- Ans
- ☐ A. $\sec^4 \theta + 2\sec^2 \theta$
 - ☐ B. $\sec^4 \theta + \sec^2 \theta$
 - ☐ C. $\sec^4 \theta - 2\sec^2 \theta$
 - ☒ D. $\sec^4 \theta - \sec^2 \theta$

Q.50 A company earns a profit that is distributed among the company's three partners in the ratio of 7 : 13 : 9. If the difference between the smallest and the largest shares is ₹58,326, the total profit of the company is:

- Ans
- ☐ A. 2,81,934
 - ☐ B. 2,81,955
 - ☐ C. 2,81,811
 - ☒ D. 2,81,909

Section : General Intelligence and Reasoning

Q.51 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. GN - LS
 - ☐ B. XF - CK
 - ☒ C. VC - BH
 - ☐ D. MD - RI

Q.52 All 51 people are standing in a row facing north. Rekha is 13th from the left end while Ajay is 6th from the right end. How many people are there between Rekha and Ajay?

- Ans
- ☒ A. 32
 - ☐ B. 31
 - ☐ C. 33
 - ☐ D. 34

Q.53 What should come in place of the question mark (?) in the given series?

167 176 194 221 257 ?

- Ans
- ☐ A. 304
 - ☒ B. 302
 - ☐ C. 301
 - ☐ D. 303

Q.54 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 flutes are drums. All drums are guitars.

Conclusion (I): No guitar is a flute

Conclusion (II): Some guitars are flutes

- 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.55 Which two numbers should be interchanged to make the following equation correct?

$$(56 \div 14) \times 3 + 7 \times 9 - 15 \times 5 + 28 = 103$$

(Note: The entire number should be interchanged and not individual digits of a given number.)

- Ans**
- ☒ A. 28 and 14
 - ☒ B. 7 and 14
 - ☒ C. 5 and 7
 - ☒ D. 56 and 28

Q.56 Which two numbers should be interchanged to make the given equation correct?

$$(36 - 28) \times 3 + 9 \times 5 - (108 \div 4) + 42 = 96$$

(Note: Interchange should be done of the entire number and not individual digits of a given number.)

- Ans**
- ☒ A. 3 and 5
 - ☒ B. 4 and 3
 - ☒ C. 36 and 42
 - ☒ D. 9 and 4

Q.57 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:

All books are pens.

Some pens are crayons.

Conclusion (I): All crayons are pens.

Conclusion (II): Some books are crayons.

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

Q.58 Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.
No one sits to the left of A. Only four people sit between A and S. Only three people sit to the right of R. U sits to the immediate left of E. D is not an immediate neighbor of R.
Who sits at the rightmost end of the line?

- Ans**
- ☒ A. A
 - ☒ B. D
 - ☒ C. E
 - ☒ D. S

Q.59 Refer to the given series and answer the question that follows. (All numbers are single digit numbers only.) Counting to be done from left to right only.

(Left) 5 7 9 4 2 1 4 7 9 3 2 6 8 5 4 1 9 5 4 3 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. 3
☒ B. 1
☒ C. 2
☒ D. 4

Q.60 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. F sits fifth from the right end of the row. Only three people sit to the right of C. D is the immediate neighbor of B and C. A sits to the right of E but left of F. How many people sit between G and A?

- Ans ☒ A. Three
☒ B. Four
☒ C. One
☒ D. Two

Q.61 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FVO 18, DTM 29, BRK 40, ZPI 51, ?

- Ans ☒ A. XNG 62
☒ B. YNF 65
☒ C. WNH 61
☒ D. XNF 62

Q.62 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 4 @ 3 % 5 \$ 1 # 6 & 9 * 5 + 1 ? 6 + = 5 \$ # 2 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans ☒ A. 5
☒ B. 3
☒ C. 9
☒ D. 6

Q.63 What should come in place of the question mark (?) in the given series?

336 327 318 309 300 ?

- Ans ☒ A. 289
☒ B. 285
☒ C. 291
☒ D. 281

Q.64 Six people, G, H, I, Q, R and S, are sitting in a straight line, facing north. Only two people sit to the right of Q. Only one person sits between Q and S. Only one person sits between H and R. R sits to the immediate left of Q. Only I sits to the right of G. How many people sit between H and G?

- Ans**
- ☐ A. One
 - ☐ B. Four
 - ☒ C. Three
 - ☐ D. Two

Q.65 HOCX is related to SZNI in a certain way based on the English alphabetical order. In the same way, ZGUP is related to KRFA. To which of the following options is GNBW related to, following the same logic?

- Ans**
- ☒ A. RYMH
 - ☐ B. RMKI
 - ☐ C. THYU
 - ☐ D. RYHU

Q.66 TOIL is related to BWQT in a certain way based on the English alphabetical order. In the same way, ZUOR is related to HCWZ. To which of the following options is XSMP related, following the same logic?

- Ans**
- ☐ A. FAXE
 - ☐ B. FAZS
 - ☐ C. FAXW
 - ☒ D. FAUX

Q.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

WTQ 69 URO 76 SPM 83 QNK 90 ?

- Ans**
- ☒ A. OLI 97
 - ☐ B. OMH 97
 - ☐ C. OPR 96
 - ☐ D. OKH 96

Q.68 Refer to the following letter series and answer the question.

(Left) F J L T M N C R P W X Z K O H A Y Q D G E B (Right)

How many letters appear after "Q" but before "E" in the given series?

- Ans**
- ☐ A. Three
 - ☐ B. Five
 - ☐ C. Four
 - ☒ D. Two

Q.69 MPLQ is related to SVRW in a certain way based on the English alphabetical order. In the same way, ORNS is related to UXTY. To which of the following is FIEJ related to, following the same logic?

- Ans**
- ☐ A. LNKP
 - ☐ B. LOKQ
 - ☐ C. LNKQ
 - ☒ D. LOKP

Q.70 In a certain code language,
A+ B means 'A is the sister of B'
A # B means 'A is the brother of B'
A × B means 'A is the wife of B'
A @ B means 'A is the father of B'
Based on the above, how is L related to R if 'L×O#V@E+R'?

- Ans**
- ☒ A. Sister
 - ☒ B. Father's brother's daughter
 - ☒ C. Mother
 - ☒ D. Father's brother's wife

Q.71 Piyush starts from Point X and drives 6 km towards east. He then takes a left turn, drives 3 km, turns right, and drives 5 km. He then takes a right turn and drives 3 km. Finally, he takes a right turn, drives 5 km, and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point X again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ A. 6 km towards west
 - ☒ B. 4 km towards east
 - ☒ C. 3 km towards east
 - ☒ D. 4 km towards north

Q.72 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 its 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.)

77 - 3 - 80
12 - 4 - 16

- Ans**
- ☒ A. 6 - 5 - 11
 - ☒ B. 20 - 13 - 43
 - ☒ C. 14 - 9 - 25
 - ☒ D. 11 - 1 - 23

Q.73 Rohit starts from Point A and drives 15 km towards the West. He then takes a left turn, drives 11 km, turns left and drives 18 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 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 degrees turns only unless specified).

- Ans**
- ☒ A. 3 km to the South
 - ☒ B. 3 km to the North
 - ☒ C. 4 km to the South
 - ☒ D. 4 km to the North

Q.74 This question is based on the five, three-digit numbers given below.

(Left) 435 325 123 756 264 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ A. 9
 - ☒ B. 10
 - ☒ C. 8
 - ☒ D. 12

Q.75 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. EK - IP
☐ B. PC - TG
☐ C. GU - KY
☐ D. LR - PV

Q.76 In a certain code language, 'ride waves carefully' is coded as 'el uw cb' and 'waves crash loud' is coded as 'sr cb vq'. How is 'waves' coded in the given language?

- Ans** ☐ A. uw
☐ B. el
☒ C. cb
☐ D. sr

Q.77 What should come in place of the question mark (?) in the given series?

18 25 32 39 46 ?

- Ans** ☐ A. 49
☐ B. 52
☐ C. 56
☒ D. 53

Q.78 In a row of 50 students facing North, Miku is 12th from the right end. If Pushkar is 5th to the left of Miku, what is Pushkar's position from the left end of the line?

- Ans** ☐ A. 33rd
☐ B. 31st
☒ C. 34th
☐ D. 32nd

Q.79 In a certain code language, 'leaves turn brown' is coded as 'ka gs rl' and 'gather leaves daily' is coded as 'ny hf gs'. How is 'leaves' coded in the given language?

- Ans** ☐ A. hf
☐ B. ka
☐ C. rl
☒ D. gs

Q.80 If 'D' stands for '+', 'E' stands for 'x', 'F' stands for '+' and 'G' stands for '-', then what will come in place of the question mark (?) in the following equation?

24 E 2 D 4 F 5 G 3 = ?

- Ans** ☐ A. 12
☒ B. 14
☐ C. 13
☐ D. 11

Q.81 What is the name of India's first 5.5 Gen stealth aircraft showcased by DRDO at Aero India 2025?

- Ans**
- ☐ A. Advanced Light Weight Torpedo
 - ☐ B. TEDBF
 - ☐ C. LCA Tejas Mk-2
 - ☒ D. Advanced Medium Combat Aircraft

Q.82 In which of the following National Parks did an India-born female cheetah give birth to five cubs in November 2025, marking a major milestone under Project Cheetah?

- Ans**
- ☐ A. Ranthambore National Park
 - ☐ B. Bandipur National Park
 - ☐ C. Gir National Park
 - ☒ D. Kuno National Park

Q.83 What is the projected fiscal deficit for FY2025-26 as per the Union Budget 2025-26?

- Ans**
- ☐ A. 3.9% of GDP
 - ☒ B. 4.4% of GDP
 - ☐ C. 5.1% of GDP
 - ☐ D. 4.8% of GDP

Q.84 Which award highlights lifetime achievement in sports broadcasting, won by David Hill in 2025?

- Ans**
- ☒ A. Sports Business Journal's Lifetime Achievement Award
 - ☐ B. Sports Emmy Journalism Award
 - ☐ C. Sports Business Journal' Laureus Media Honour
 - ☐ D. Sports Basketball Award

Q.85 Launched in March 2024 in India, what is the name of the platform that allows individuals to report fraudulent communications, including calls, texts, and WhatsApp messages?

- Ans**
- ☐ A. Ruzuku
 - ☐ B. Podia
 - ☒ C. Chakshu
 - ☐ D. Proctur

Q.86 Which of the following national parks was designated as 58th tiger reserve of India in March 2025?

- Ans**
- ☐ A. Panna National Park
 - ☒ B. Madhav National Park
 - ☐ C. Kuno National Park
 - ☐ D. Pench National Park

Q.87 Which of the following authors won the Nobel Prize in Literature in 2025?

- Ans**
- ☐ A. George Orwell
 - ☐ B. John Steinbeck
 - ☐ C. Ernest Hemingway
 - ☒ D. László Krasznahorkai

Q.88 Which of the following veteran Indian goalkeepers announced that he will retire after the Paris Olympics, ending an 18-year career during which he played a pivotal role in some of the team's historic moments?

- Ans**
- ☐ A. M S Srinath
 - ☐ B. Ramesh Babu
 - ☒ C. P R Sreejesh
 - ☐ D. Rajneesh Karmakar

Q.89 The Quality Council of India (QCI), the national custodian of accreditation in India, commemorated the World Accreditation Day, 2025, in which city?

- Ans**
- ☐ A. Bhopal
 - ☒ B. New Delhi
 - ☐ C. Indore
 - ☐ D. Jaipur

Q.90 Operation Alert, launched by the Border Security Force in August 2025, primarily aimed to strengthen security along which Indian border?

- Ans**
- ☐ A. Punjab border
 - ☐ B. Assam border
 - ☐ C. Jammu and Kashmir border
 - ☒ D. Rajasthan border

Q.91 Which senior Indian official attended the Shanghai Cooperation Organisation (SCO) Defence Ministers' Conclave in June 2025?

- Ans**
- ☐ A. S Jaishankar
 - ☐ B. Amit Shah
 - ☒ C. Rajnath Singh
 - ☐ D. Narendra Modi

Q.92 As per the 2023 Air Quality Life Index (AQLI) report by the Energy Policy Institute at the University of Chicago (EPIC), what is the reduction in life expectancy for the average Indian due to exposure to fine particulate air pollution (PM2.5)?

- Ans**
- ☐ A. 3.8 years
 - ☐ B. 6.7 years
 - ☐ C. 2.5 years
 - ☒ D. 5.3 years

Q.93 'Strengthening Global South Cooperation for a More Inclusive and Sustainable Governance' was the theme of the 17th summit of which international organization held in July 2025?

- Ans**
- ☐ A. NATO
 - ☐ B. ASEAN
 - ☐ C. G20
 - ☒ D. BRICS

Q.94 Who among the following was the Player of the Tournament in the ICC Women's Cricket World Cup 2025?

- Ans**
- ☒ A. Deepti Sharma
 - ☐ B. Shafali Verma
 - ☐ C. Smriti Mandhana
 - ☐ D. Jemimah Rodrigues

Q.95 What is the estimated capital expenditure allocation for FY2025-26?

- Ans**
- ✓ A. ₹11.21 lakh crore
 - ✗ B. ₹12.63 lakh crore
 - ✗ C. ₹10 lakh crore
 - ✗ D. ₹9 lakh crore

Q.96 Which country added India to its List of Qualifications Exempt from Assessment (LQEA) in June 2025?

- Ans**
- ✗ A. The United Kingdom
 - ✗ B. Canada
 - ✓ C. New Zealand
 - ✗ D. Australia

Q.97 Who set a javelin F42 world record (61.17 m) at the 2025 WPA Grand Prix?

- Ans**
- ✗ A. Pingane Mina Vilas
 - ✗ B. Ravi Rangoli
 - ✗ C. Sumit Antil
 - ✓ D. Gurjar Mahendra

Q.98 What is the name of the bill passed by the West Bengal Assembly in June 2025 to cap healthcare expenses in private hospitals?

- Ans**
- ✗ A. West Bengal Health Protection (Amendment) Bill, 2025
 - ✗ B. West Bengal Patient Safety (Amendment) Bill, 2025
 - ✓ C. West Bengal Clinical Establishments (Registration, Regulation and Transparency) (Amendment) Bill, 2025
 - ✗ D. West Bengal Medical Cost Transparency (Amendment) Bill, 2025

Q.99 What is India's rank in the Climate Change Performance Index (CCPI) 2026?

- Ans**
- ✗ A. 13th
 - ✗ B. 33rd
 - ✓ C. 23rd
 - ✗ D. 10th

Q.100 Which organisation is set to be established at GIFT City, Gandhinagar from the beginning of 2026 to strengthen India's artificial intelligence ecosystem through collaboration between government, industry, and academia?

- Ans**
- ✗ A. Centre for Advanced Artificial Intelligence Research
 - ✗ B. Indian Institute of Artificial Intelligence
 - ✗ C. National Artificial Intelligence Authority
 - ✓ D. Indian AI Research Organization



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Chinamushidiwada
Test Date	09/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which statement best describes the Law of Constant Proportion of the compound water?

- Ans ☒ A. The total mass of products is always greater than reactants in a reaction.
☒ B. A chemical compound always contains the same elements combined in a fixed ratio by mass.
☒ C. The properties of compounds are the same as those of elements.
☒ D. Elements combine in any ratio to form compounds.

Q.2 A girl clapped her hands near a cliff and heard the echo after 8 s. What is the distance of the cliff from the girl if the speed of the sound is taken as 320 m s^{-1} ?

- Ans ☒ A. 640 m
☒ B. 1280 m
☒ C. 320 m
☒ D. 80 m

Q.3 If the current in a straight conductor is doubled, the magnetic field at a given distance from it:

- Ans ☒ A. Doubles
☒ B. Halves
☒ C. Becomes zero
☒ D. Remains the same

Q.4 Which of the following quantities determines the magnitude of the buoyant force on a body?

- Ans ☒ A. Weight of the body
☒ B. Density of the fluid and volume displaced
☒ C. Temperature of the fluid
☒ D. Surface area of the body

Q.5 Which of the following best explains the division of labour seen in multicellular organisms?

- Ans**
- ☐ A. Each body part is made up of a single cell
 - ☐ B. Multicellular organisms have only one type of cell
 - ☒ C. Different cells have specialized functions
 - ☐ D. All cells perform the same function in an organism

Q.6 How is the change in Gravitational Potential Energy (ΔPE_g) of a system related to the work (W_g) done by the gravitational force?

- Ans**
- ☒ A. $W_g = -\Delta PE_g$
 - ☐ B. $W_g = \Delta PE_g$
 - ☐ C. The two are unrelated
 - ☐ D. $W_g = 0$

Q.7 What type of image is always formed by a concave lens, no matter where the object is placed?

- Ans**
- ☐ A. Virtual, inverted, and enlarged
 - ☐ B. Real, erect, and same size
 - ☐ C. Real, inverted, and enlarged
 - ☒ D. Virtual, erect, and diminished

Q.8 Which contraceptive method is most appropriate for a couple who wishes to avoid both hormonal and surgical methods?

- Ans**
- A. Natural methods (periodic abstinence)
 - B. Inserting a copper-T
 - C. Taking oral pills
 - D. Using barrier methods like condoms

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.9 What is the method of removal of metabolic waste in many unicellular organisms?

- Ans**
- ☒ A. Through a simple diffusion process
 - ☐ B. Through filtration through kidneys
 - ☐ C. Through osmosis
 - ☐ D. Through the use of special organs

Q.10 A compound is a substance in which elements are:

- Ans**
- ☒ A. Chemically combined in fixed proportion
 - ☐ B. Physically mixed in any ratio
 - ☐ C. Easily separable
 - ☐ D. Mixed temporarily

Q.11 Copper reacts with moist carbon dioxide in the air and slowly loses its shiny brown surface and gains a _____ colour coating of basic copper carbonate.

- Ans**
- ☒ A. green
 - ☐ B. reddish brown
 - ☐ C. black
 - ☐ D. white

Q.12 The random wavering or flickering of objects viewed through a turbulent stream of hot air rising above a fire or radiator is an effect of _____.

- Ans**
- ☐ A. Diffraction of light
 - ☐ B. Tyndall effect
 - ☐ C. Heat radiation causing visual distortion
 - ☒ D. Atmospheric refraction on a small scale

Q.13 What is the advantage of cross-breeding local and exotic cattle breeds?

- Ans**
- ☐ A. Faster reproduction rate
 - ☐ B. Denser wool yield
 - ☐ C. Lower adaptability to environment
 - ☒ D. Higher meat and milk yield

Q.14 A decrease in oxygen availability in the environment is most likely to first impact which step of aerobic respiration in animal cells?

- Ans**
- ☐ A. Krebs cycle
 - ☒ B. Electron transport chain
 - ☐ C. Glycolysis
 - ☐ D. Lactic acid fermentation

Q.15 Corrosion of iron is commonly known as rusting, and it requires:

- Ans**
- ☐ A. salt and strong acid presence
 - ☒ B. water and atmospheric oxygen
 - ☐ C. iron and very cold temperatures
 - ☐ D. moisture and high acidity

Q.16 Two children of the same parents resemble each other but are not exactly alike because _____.

- Ans**
- ☒ A. they show different combinations of the genetic variation existing in their parents
 - ☐ B. each of them inherits all genetic characters from one parent only
 - ☐ C. their parents show very little genetic variation
 - ☐ D. each of them shows variation in their DNA copying mechanisms

Q.17 In electrolytic refining, the impure metal is used as the:

- Ans**
- ☐ A. electrolyte
 - ☒ B. anode
 - ☐ C. separator
 - ☐ D. cathode

Q.18 Which of the following salts will have a pH close to 7 when dissolved in water?

- Ans**
- ☐ A. CH_3COONa
 - ☒ B. NaCl
 - ☐ C. NH_4Cl
 - ☐ D. Na_2CO_3

Q.19 Arrange the following in the correct sequences of development after fertilisation in humans.

Embryo, Zygote and Foetus

- Ans**
- ☐ A. Zygote - Foetus - Embryo
 - ☐ B. Foetus - Embryo - Zygote
 - ☒ C. Zygote - Embryo - Foetus
 - ☐ D. Embryo - Foetus - Zygote

Q.20 The concentration of H^+ ions in a solution primarily determines its:

- Ans**
- ☐ A. Level of gas compressibility factor
 - ☒ B. Degree of acidity in aqueous phase
 - ☐ C. Extent of metallic bonding strength
 - ☐ D. Rate of solid crystal formation

Q.21 The SI unit of average speed is:

- Ans**
- ☐ A. cm/s
 - ☒ B. m/s
 - ☐ C. m/s^2
 - ☐ D. km/hr

Q.22 Which of the following plants is a weed?

- Ans**
- ☒ A. *Cyperus rotundus*
 - ☐ B. *Vigna unguiculata*
 - ☐ C. *Oryza sativa*
 - ☐ D. *Pisum sativum*

Q.23 The law of conservation of mass states that:

- Ans**
- ☐ A. Matter can be created in reactions
 - ☐ B. Matter can be destroyed during reactions
 - ☐ C. Mass always decreases during a reaction
 - ☒ D. Mass can neither be created nor destroyed in a chemical reaction

Q.24 If the distance-time graph of an object is a straight line parallel to the time axis, what is the object's speed?

- Ans**
- ☐ A. Non-zero constant
 - ☐ B. Uniform
 - ☒ C. Zero
 - ☐ D. Increasing

Q.25 Which of the following circuit elements is used to vary the amount of current following through a closed circuit?

- Ans**
- ☐ A. Plug key
 - ☐ B. Ammeter
 - ☒ C. Rheostat
 - ☐ D. Voltmeter

Q.26 A field is in the shape of a quadrilateral. One of its diagonals is 10 m long. The perpendicular distances from the other two vertices to this diagonal are 12 m and 13 m, respectively. What is the area of the field?

- Ans
- ☐ A. 100 m²
 - ☐ B. 110 m²
 - ☐ C. 130 m²
 - ☒ D. 125 m²

Q.27 The volume (in m³) of a cube with edges of 19 m is:

- Ans
- ☐ A. 6696
 - ☐ B. 6748
 - ☐ C. 6957
 - ☒ D. 6859

Q.28 P and Q together can fill a cistern with water in 8 hours. If P alone can fill the cistern with water in 20 hours, then in how many hours will Q alone fill three-fourth of the same cistern with water?

- Ans
- ☐ A. 21
 - ☒ B. 10
 - ☐ C. 20
 - ☐ D. 11

Q.29 What is the L.C.M. of 45, 63 and 81?

- Ans
- ☐ A. 2385
 - ☒ B. 2835
 - ☐ C. 2455
 - ☐ D. 2545

Q.30 By how much is 60% of 45 greater than $\frac{1}{5}$ of 45?

- Ans
- ☐ A. 12
 - ☒ B. 18
 - ☐ C. 15
 - ☐ D. 16

Q.31 A runs $\frac{5}{2}$ times as fast as B. If A gives B a start of 80 meters, how far the winning post be so that A and B reach it at the same time?

- Ans
- ☐ A. 170 m
 - ☒ B. $133\frac{1}{3}$ m
 - ☐ C. $181\frac{2}{3}$ m
 - ☐ D. 176 m

Q.32 ₹8,442 is divided among S, B, and C in such a way that if ₹7, ₹73, and ₹68 be deducted from their respective shares, they have money in the ratio 6 : 7 : 16. Find the difference between the B's and C's original shares.

- Ans ☒ A. ₹2,674
☒ B. ₹2,624
☒ C. ₹2,569
☒ D. ₹2,524

Q.33 A store originally sold a jacket for ₹120. After a 15% increase in price, what is the new price of the jacket?

- Ans ☒ A. ₹138
☒ B. ₹18
☒ C. ₹102
☒ D. ₹120

Q.34 An 11-digit number 8732326687X is divisible by 18. What is the value of X?

- Ans ☒ A. 5
☒ B. 3
☒ C. 2
☒ D. 1

Q.35 The angle of elevation of the top of a tower from a point on the ground 48 m from the foot of the tower is 30° . Find the height of the tower in metres.

- Ans ☒ A. $4\sqrt{3}$
☒ B. $16\sqrt{3}$
☒ C. $14\sqrt{3}$
☒ D. $12\sqrt{3}$

Q.36 Arman runs 8.8 km in 1 hour 20 minutes. How long will he take to run 26.4 km at double the previous speed?

- Ans ☒ A. 3 hours
☒ B. 2 hours
☒ C. $1\frac{1}{2}$ hours
☒ D. $2\frac{3}{4}$ hours

Q.37 Simplify $(6pq + 14q)^2 - (6pq - 14q)^2$.

- Ans ☒ A. $168p^2q^2$
☒ B. $336p^2q$
☒ C. $168pq^2$
☒ D. $336pq^2$

Q.38 Solve the following.

$$\left[\frac{1}{6} \times \{(36 \div 6) + (9 \div 3) - 3\} + 18\right]$$

- Ans ☒ A. 19
☒ B. 26
☒ C. 23
☒ D. 20

Q.39 The average of 6.5, 10.7, 20.2 and a is 17. The value of a is:

- Ans
- ☐ A. 32.6
 - ☐ B. 29.6
 - ☒ C. 30.6
 - ☐ D. 31.6

Q.40 The cost of 4 keychains and 3 wallets is ₹75. The cost of 2 keychain
What is the cost of 3 keychains and 1 wallet?

- Ans
- ☐ A. ₹34
 - ☐ B. ₹32
 - ☒ C. ₹30
 - ☐ D. ₹24

Q.41 If the numerator of a fraction is increased by 25% and the denominator
becomes $\frac{5}{7}$. Which of the following is the correct statement w.r.t. the

- Ans
- ☐ A. The sum of numerator and denominator is 37
 - ☐ B. The numerator is greater than denominator by 10
 - ☐ C. The value of denominator is 13
 - ☒ D. The difference between denominator and numerator is 12

Q.42 Three people, X, Y and Z, are working together to plant trees in a garden. X and Y
together can complete the job in 20 days. Y and Z together can complete the job in
24 days. Z and X together can complete the job in 30 days.
How long will it take for X, Y and Z working together to complete the job?

- Ans
- ☐ A. 14 days
 - ☒ B. 16 days
 - ☐ C. 18 days
 - ☐ D. 12 days

Q.43 Find the single discount equivalent to two successive discounts of 5% and 8%.

- Ans
- ☐ A. 10.8%
 - ☒ B. 12.6%
 - ☐ C. 14.63%
 - ☐ D. 14.67%

Q.44 A sold an article to B at a loss of 12%. B sold it to C at a profit of 20%. If C paid ₹1,122
to B, find the cost price of the article for A.

- Ans
- ☐ A. ₹999.70
 - ☐ B. ₹985.30
 - ☒ C. ₹1,062.50
 - ☐ D. ₹1,038.80

Q.45 If the ages of 2 members of a family are in the ratio 6:1, and the average of their
ages is 35 years. Find the total of their ages after 11 years.

- Ans
- ☒ A. 92 years
 - ☐ B. 88 years
 - ☐ C. 83 years
 - ☐ D. 82 years

Q.46 The volume of a solid cylinder is 2926 cm^3 and its height is 19 cm. What is the total surface area of the solid cylinder?

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

- Ans
- ☐ A. 1175 cm^2
 - ☐ B. 1106 cm^2
 - ☒ C. 1144 cm^2
 - ☐ D. 1121 cm^2

Q.47 The ratio of the present ages of two friends, A and B, is 3:4. Four years ago, the ratio of their ages was 7:10. Find their present ages.

- Ans
- ☐ A. 21 years and 28 years
 - ☐ B. 15 years and 20 years
 - ☒ C. 18 years and 24 years
 - ☐ D. 12 years and 16 years

Q.48 A shopkeeper marks an article at ₹x and offers a discount of 54% on the marked price. He sells it for ₹437 after charging VAT of 52% on the discounted price. What is the value of x?

- Ans
- ☐ A. 500
 - ☒ B. 625
 - ☐ C. 200
 - ☐ D. 600

Q.49 The average price of three items of furniture is ₹16,425. If their prices are in the ratio 3 : 5 : 7, the price of the costliest item (in ₹) will be:

- Ans
- ☒ A. 22,995
 - ☐ B. 5,475
 - ☐ C. 7,665
 - ☐ D. 9,855

Q.50 The compound interest on ₹5,625 for 6 months at 16% per annum, interest being compounded quarterly is:

- Ans
- ☐ A. ₹702
 - ☐ B. ₹746
 - ☒ C. ₹459
 - ☐ D. ₹955

Section : General Intelligence and Reasoning

Q.51 T, U, V, W, X and Y are sitting around a circular table facing the centre. Y is an immediate neighbour of both T and V. U is sitting to the immediate right of V. W is sitting second to the left of Y. How many people sit between X and Y when counted from the right of X?

- Ans
- ☐ A. Three
 - ☐ B. One
 - ☐ C. Four
 - ☒ D. Two

Q.52 In a row of 85 students facing north, Rohan's position is 35th from the left and Shekhar's position is 25th from the right. Kuldeep is sitting exactly between both of them. Find the position of Kuldeep from Rohan when counted to the right of Rohan.

- Ans** ☒ A. 13th
☐ B. 15th
☐ C. 12th
☐ D. 14th

Q.53 In a certain code language, 'FIRM' is coded as '5713' and 'MEAN' is coded as '2148'. What is the code for 'M' in the given code language?

- Ans** ☐ A. 3
☐ B. 2
☒ C. 1
☐ D. 4

Q.54 A,B,C,D,E,F and G are sitting in a straight line facing North.
Only E sits to the left of B. Only four people sit between E and C. Only G sits between F and D and F is not an immediate neighbor of C.
How many people sit to the right of D?

- Ans** ☐ A. 3
☒ B. 2
☐ C. 1
☐ D. 4

Q.55 Each of the digits in the number 7231456 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans** ☐ A. Three
☐ B. One
☒ C. Two
☐ D. None

Q.56 Refer to the following letter series and answer the question.

(Left) M R Y T O N B F W A H L D X G Z J Q V E P K (Right)

How many vowels are there in the above series?

- Ans** ☐ A. Four
☒ B. Three
☐ C. Five
☐ D. Six

Q.57 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 its 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.)

(14 280 5)
(7 336 12)

- Ans** ☐ A. 12 578 10
☐ B. 18 876 9
☐ C. 13 992 11
☒ D. 21 336 4

- Q.58** In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B', and
A ÷ B means 'A is the father of B'.

Based on the above, how is D related to J if 'D ÷ F x G + H - J'?

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

- Q.59** 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 conclusion/s logically follow/s from the given statements.

Statements: All lotions are creams. All creams are shampoos. No cream is a facewash.

Conclusion (I) : No shampoo is a facewash.

Conclusion (II) : No lotion is a facewash.

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

- Q.60** What should come in place of the question mark (?) in the given series?

173 166 159 152 145 ?

- Ans** ☒ A. 138
☐ B. 136
☐ C. 137
☐ D. 139

- Q.61** Find out the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

BA_C F_HG_ILK NM_O R_TS

- Ans** ☒ A. DEJPQ
☐ B. DIJPQ
☐ C. DELPQ
☐ D. DEJPP

- Q.62** Seven people, N, O, P, Q, R, S and T are sitting in a straight row, facing north. Only four people sit to the right of S. T sits second to the left of N. R sits fourth to the left of P. Q sits to the immediate right of S. Who sits at the extreme left end of the line?

- Ans** ☐ A. Q
☐ B. R
☒ C. O
☐ D. T

Q.63 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MJB 9, QNF 16, URJ 23, YVN 30, ?

- Ans
- ☒ A. CYR 42
 - ☒ B. CZR 37
 - ☒ C. BZS 36
 - ☒ D. AYR 37

Q.64 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only.)

(Left) 7 4 1 2 4 9 8 5 3 6 1 5 2 6 5 4 8 3 9 6 5 2 3 9 1 4 2 (Right)

If all the odd numbers are dropped from the series, which of the following will be seventh from the right?

- Ans
- ☒ A. 2
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 4

Q.65 What should come in place of '?' in the given series?
158 171 186 204 226 ?

- Ans
- ☒ A. 251
 - ☒ B. 255
 - ☒ C. 249
 - ☒ D. 253

Q.66 What should come in place of ? in the given series in order to make it logically complete?
JF125 KE64 MC27 PZ8 ?

- Ans
- ☒ A. TW1
 - ☒ B. SV1
 - ☒ C. TV8
 - ☒ D. TV1

Q.67 VTQS is related to PNKM in a certain way. In the same way, PMKF is related to JGEZ. To which of the given options is ROLG related, following the same logic?

- Ans
- ☒ A. MIFA
 - ☒ B. LIFA
 - ☒ C. LJEB
 - ☒ D. MJEM

Q.68 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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ A. TXA
 - ☒ B. GKN
 - ☒ C. JOR
 - ☒ D. YCF

Q.69 Mr. Apso starts from point A and drives 7 km towards north. He then takes a right turn, drives 4 km, turns right and drives 9 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 2 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. 2 km to the west
 - ☐ B. 3 km to the west
 - ☒ C. 4 km to the east
 - ☐ D. 5 km to the east

Q.70 EADI is related to KGJO in a certain way based on the English alphabetical order. In the same way, IEHM is related to OKNS. To which of the following is MILQ related to, following the same logic?

- Ans**
- ☐ A. SPRX
 - ☐ B. SPRW
 - ☐ C. SORX
 - ☒ D. SORW

Q.71 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$99 \div 3 - 15 \div 5 + 156 \times 2 - 12 \times 4 - 16 \div 8 + 11 = ?$$

- Ans**
- ☐ A. 361
 - ☐ B. 390
 - ☐ C. 449
 - ☒ D. 414

Q.72 What should come in place of the question mark (?) in the given series?

79 83 92 108 133 ?

- Ans**
- ☒ A. 169
 - ☐ B. 168
 - ☐ C. 170
 - ☐ D. 171

Q.73 In a row of 55 people facing north, Tanmay sits 18th from the left end. If only 17 people sit between Yash and Tanmay, then what is Yash's position from the right end of the row?

- Ans**
- ☐ A. 21st
 - ☒ B. 20th
 - ☐ C. 19th
 - ☐ D. 18th

Q.74 RUOT is related to VYSX in a certain way based on the English alphabetical order. In the same way, MPJO is related to QTNS. To which of the given options is HKEJ related, following the same logic?

- Ans**
- ☐ A. LPIN
 - ☒ B. LOIN
 - ☐ C. LPIM
 - ☐ D. LOIM

- Q.75** 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 from commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All cushions are pillows. No pillow is a blanket. Some blankets are envelopes.

Conclusion I: Some envelopes are pillows.

Conclusion II: No cushion is a blanket.

- Ans**
- ☒ A. Both Conclusions I and II follow.
 - ☒ B. Neither Conclusion I nor II follows.
 - ☒ C. Only Conclusion II follows.
 - ☒ D. Only Conclusion I follows.

- Q.76** In a certain code language, 'chase clouds away' is coded as 'hl mt dv' and 'clouds block sun' is coded as 'ya co hl'. How is 'clouds' coded in the given language?

- Ans**
- ☒ A. dv
 - ☒ B. mt
 - ☒ C. ya
 - ☒ D. hl

- Q.77** 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 one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans**
- ☒ A. GFE
 - ☒ B. ONL
 - ☒ C. BAY
 - ☒ D. TSQ

- Q.78** This question is based on the five, three-digit numbers given below.

(Left) 687 652 691 287 286 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☒ A. 17
 - ☒ B. 15
 - ☒ C. 19
 - ☒ D. 16

- Q.79** This question is based on the five, three-digit numbers given below.

(Left) 423 253 174 324 749 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- Ans**
- ☒ A. One
 - ☒ B. Three
 - ☒ C. None
 - ☒ D. Two

Q.80 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$97 - 46 + 12 \div 8 \times 2 = ?$$

- Ans**
- ☐ A. 99
 - ☐ B. 102
 - ☒ C. 95
 - ☐ D. 97

Section : General Awareness and Current Affairs

Q.81 Which javelin thrower became the first from India to throw beyond 90 m internationally in May 2025?

- Ans**
- ☒ A. Neeraj Chopra
 - ☐ B. Sachin Yadav
 - ☐ C. Abdul Khaliq
 - ☐ D. Shivpal Singh

Q.82 At which event did the Vice-President of India, C. P. Radhakrishnan, deliver an inaugural address emphasizing that climate action is an opportunity, not a constraint?

- Ans**
- ☒ A. Bharat Climate Forum 2026
 - ☐ B. India Energy Summit 2026
 - ☐ C. International Solar Alliance Meet 2026
 - ☐ D. Global Green Growth Forum 2026

Q.83 The Right to Disconnect Bill, 2025, seeks to establish which principle in the modern digital workplace?

- Ans**
- ☐ A. Uniform labour laws
 - ☐ B. Mandatory overtime compensation
 - ☒ C. Clear work-life boundaries
 - ☐ D. Employer control over digital platforms

Q.84 In 2025, which legendary Indian cricketer was inducted into the ICC Hall of Fame along with Matthew Hayden and Hashim Amla?

- Ans**
- ☐ A. Virat Kohli
 - ☐ B. Sourav Ganguly
 - ☐ C. Rahul Dravid
 - ☒ D. MS Dhoni

Q.85 What is the maximum financial support provided for new construction of a tribal homestay unit under the Swadesh Darshan Scheme in April 2025?

- Ans**
- ☐ A. ₹3 Lakh
 - ☐ B. ₹7 Lakh
 - ☒ C. ₹5 Lakh
 - ☐ D. ₹4 Lakh

Q.86 What is the role of the Centralised Information Management System (CIMS) which was available to the regulated entities (REs) on or before May 13, 2025?

- Ans**
- ☐ A. Tracking mobile apps
 - ☒ B. Managing digital data
 - ☐ C. Filing complaints online
 - ☐ D. Monitoring tax payments

Q.87 Which landmark treaty was adopted by WHO member states on 20 May 2025, aiming to strengthen global pandemic preparedness?

- Ans**
- ☒ A. WHO Pandemic Agreement
 - ☐ B. Global Health Security Pact
 - ☐ C. Global Vaccine Agreement
 - ☐ D. International Health Regulations (IHR)

Q.88 Who was awarded the Sahitya Akademi Award 2024 for his book "Ik Hor Ashwthama" in the Dogri language?

- Ans**
- ☐ A. Shiv Kumar Batalvi
 - ☐ B. Dalip Kaur Tiwana
 - ☒ C. Chaman Arora
 - ☐ D. Jaswant Singh

Q.89 The National Frequency Allocation Plan, 2025 (NFAP-2025) primarily deals with the allocation of which of the following?

- Ans**
- ☐ A. Railway land-use frequencies
 - ☒ B. Radio-frequency spectrum
 - ☐ C. Electric vehicle charging bands
 - ☐ D. Postal codes

Q.90 Which of the following ranked as the top national park, with a score of 92.7%, in the Union Environment Ministry's Management Effectiveness Evaluation for the 2020-25 cycle?

- Ans**
- ☐ A. Kanha National Park
 - ☐ B. Manas National Park
 - ☐ C. Bandipur National Park
 - ☒ D. Eravikulam National Park

Q.91 In October 2025, which of the following cities of Vietnam hosted the high-level signing ceremony of the United Nations Convention against Cybercrime, where 72 UN member states signed the deal?

- Ans**
- ☐ A. Can Tho
 - ☐ B. Vinh
 - ☒ C. Hanoi
 - ☐ D. Dalat

Q.92 Which Indian state finished at the top of the medal tally in the Khelo India Para Games 2025?

- Ans**
- ☒ A. Haryana
 - ☐ B. Tamil Nadu
 - ☐ C. Maharashtra
 - ☐ D. Uttar Pradesh

Q.93 Who among the following is known affectionately as "Bihar Kokila" and "Swar Kokila"?

- Ans**
- ☐ A. Chandan
 - ☒ B. Sharda Sinha
 - ☐ C. Payal Singh
 - ☐ D. Bharat Byas

Q.94 Which types of equipment were included in the new defence acquisitions approved by India's Defence Acquisition Council in 2025?

- Ans**
- ☒ A. Submarines and satellite-based surveillance systems
 - ☒ B. Amphibious warships, missiles and swarm drones
 - ☒ C. Stealth fighter jets and hypersonic glide vehicles
 - ☒ D. Aircraft carriers and long-range cruise missiles

Q.95 What percentage of districts in the North Eastern Region showed an increase in their composite SDG Index score as per the second edition of the North Eastern Region (NER) District Sustainable Development Goals (SDG) Index Report (2023-24) released by NITI Aayog in July 2025?

- Ans**
- ☒ A. 85%
 - ☒ B. 95%
 - ☒ C. 75%
 - ☒ D. 65%

Q.96 The 9th Asian Winter Games were held in February, 2025, with athletes from 34 countries, in:

- Ans**
- ☒ A. Uzbekistan
 - ☒ B. China
 - ☒ C. Qatar
 - ☒ D. Kyrgistan

Q.97 What major reform did the Government of India implement to simplify workers' rights and labour law compliance in 2025?

- Ans**
- ☒ A. Introduction of universal basic income
 - ☒ B. Expansion of the Minimum Wages Act only
 - ☒ C. Merger of 29 labour laws into four Labour Codes
 - ☒ D. Elimination of trade unions and withdrawal of their legal recognition

Q.98 Who among the following was appointed as the Chief Justice of India with effect from 24 November 2025?

- Ans**
- ☒ A. Justice B.R. Gavai
 - ☒ B. Justice D.Y. Chandrachud
 - ☒ C. Justice Surya Kant
 - ☒ D. Justice Sanjiv Khanna

Q.99 The DRAVYA portal, launched in 2025 as a digital knowledge repository for medicinal substances, was initiated by which ministry?

- Ans**
- ☒ A. Ministry of Pharmaceuticals
 - ☒ B. Ministry of Biotechnology
 - ☒ C. Ministry of Ayush
 - ☒ D. Ministry of Education

Q.100 During the August 2025 Monetary Policy Committee (MPC) review, what revision did the Reserve Bank of India (RBI) make to its inflation forecast for FY 2025-26?

- Ans**
- ☒ A. Lowered to 3.1%
 - ☒ B. Kept unchanged at 3.7%
 - ☒ C. Revised upward to 4.5%
 - ☒ D. Slashed sharply to 2.5%



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	09/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 What is a colloidal solution?

- Ans
- ☐ A. Uniform mixture with large particles
 - ☐ B. Transparent mixture with gases only
 - ☐ C. Mixture in which particles fully dissolve and settle
 - ☒ D. Heterogeneous mixture with fine particles

Q.2 Which statement best defines a combination reaction?

- Ans
- ☐ A. Two compounds exchange ions to form new compounds.
 - ☒ B. Two or more reactants combine to form a single product.
 - ☐ C. One element displaces another element from its compound.
 - ☐ D. Two reactants break down into simpler products.

Q.3 What is the most important condition for successful fragmentation reproduction in Spirogyra?

- Ans
- ☒ A. Each fragment possessing the capability to perform basic life functions
 - ☐ B. Availability of a fully developed vascular system
 - ☐ C. The ability of fragments to form seeds
 - ☐ D. Presence of reproductive organs in each fragment

Q.4 A race car starting from rest accelerates uniformly. If the car covers 22.5 m in the 5th second of its motion, what is the total distance covered at the end of 10 seconds?

- Ans
- ☒ A. 250 m
 - ☐ B. 300 m
 - ☐ C. 375 m
 - ☐ D. 450 m

Q.5 The heating effect of electric current is least in _____.

- Ans
- ☐ A. Nichrome
 - ☐ B. Tungsten
 - ☒ C. Copper
 - ☐ D. Iron

Q.6 Which of the following types of ore is pyrite?

- Ans**
- ☐ A. Halide
 - ☒ B. Sulphide
 - ☐ C. Oxide
 - ☐ D. Nitrate

Q.7 Which of the following is NOT caused by atmospheric refraction?

- Ans**
- ☐ A. Advanced sunrise and delayed sunset
 - ☐ B. Sun appearing higher in sky than its actual geometric position
 - ☒ C. Reddish colour of sun at sunrise / sunset
 - ☐ D. Twinkling of stars

Q.8 Fill in the blanks with the correct sequence of organs.

Urine is formed in the _____ → passes through the _____ → stored in the _____ → and finally released through the _____.

- Ans**
- ☒ A. Kidney → Ureter → Urinary bladder → Urethra
 - ☐ B. Urethra → Urinary bladder → Ureter → Kidney
 - ☐ C. Urinary bladder → Kidney → Ureter → Urethra
 - ☐ D. Ureter → Kidney → Urethra → Urinary bladder

Q.9 When a drop of ink is added to water and left undisturbed, the ink gradually spreads throughout the water. Which property of matter does this observation best demonstrate?

- Ans**
- ☐ A. Attraction between particles
 - ☐ B. Spaces between particles
 - ☒ C. Continuous movement of particles
 - ☐ D. Fixed positions of particles

Q.10 A flexible support to developing plant parts is provided by _____.

- Ans**
- ☐ A. Xylem
 - ☐ B. Chlorenchyma
 - ☒ C. Collenchyma
 - ☐ D. Phloem

Q.11 If the velocity of a car increases from 20 m/s to 40 m/s in 4 seconds, the acceleration of the car is _____.

- Ans**
- ☒ A. 5 m/s²
 - ☐ B. 10 m/s
 - ☐ C. 10 m/s²
 - ☐ D. 5 m/s

Q.12 The distance between the pole and focus of a concave mirror is 30 cm. A real and inverted image is formed by this mirror on a screen at 40 cm from the pole of this mirror. What will be the object distance?

- Ans**
- ☐ A. - 120/7 cm
 - ☒ B. - 120 cm
 - ☐ C. + 120 cm
 - ☐ D. + 120/7 cm

Q.13 Which cells in xylem are primarily responsible for the vertical transport of water and minerals in plants?

- Ans
- ☐ A. Sieve tubes
 - ☒ B. Tracheids and vessels
 - ☐ C. Xylem fibres
 - ☐ D. Companion cells

Q.14 Which of the following is an example of addition reaction?

- Ans
- ☐ A. Dehydration of alcohol
 - ☐ B. Hydrolysis of acetic acid
 - ☒ C. Hydrogenation of ethene
 - ☐ D. Chlorination of methane

Q.15 Which of the following organisms shows the phenomenon of regeneration?

- Ans
- ☐ A. Honey bee
 - ☐ B. Mosquito
 - ☒ C. Planaria
 - ☐ D. House fly

Q.16 Imagine a country continues to use CFCs despite the global agreement. What could be the consequences for that country and the world?

- Ans
- ☐ A. Faster industrial development
 - ☐ B. Increase in rainfall
 - ☒ C. Environmental harm and global criticism
 - ☐ D. No effect, as other countries have stopped using CFCs

Q.17 Baking soda releases which gas on heating?

- Ans
- ☐ A. O_2
 - ☒ B. CO_2
 - ☐ C. H_2
 - ☐ D. N_2

Q.18 In a longitudinal wave, particle's motion is _____.

- Ans
- ☐ A. circular
 - ☒ B. parallel to the wave direction
 - ☐ C. perpendicular to the wave motion
 - ☐ D. random

Q.19 An object is thrown vertically upwards and rises to a height of 20 m. What was the velocity with which the object was thrown? (Take $g = 10 \text{ m/s}^2$).

- Ans
- ☐ A. 30 m/s
 - ☐ B. 10 m/s
 - ☒ C. 20 m/s
 - ☐ D. 40 m/s

Q.20 What is the typical oxide used along with aluminium in a thermite reaction?

- Ans
- ☐ A. Copper oxide
 - ☐ B. Zinc oxide
 - ☒ C. Iron (III) oxide
 - ☐ D. Magnesium oxide

Q.21 Herbicides protect crops by _____.

- Ans**
- ☐ A. Killing insects
 - ☐ B. Killing bacteria
 - ☒ C. Killing weeds
 - ☐ D. Killing fungi

Q.22 What role does the placenta play during the development of the embryo in the human female reproductive system?

- Ans**
- ☐ A. It is the location where fertilisation of egg and sperm occurs.
 - ☒ B. It facilitates the exchange of nutrients and wastes between mother and embryo.
 - ☐ C. It produces eggs needed for fertilisation.
 - ☐ D. It unites the two oviducts into the uterus.

Q.23 Which of the following conditions must be satisfied for work to be done according to science?

- Ans**
- ☒ A. A force must act on an object, and the object must be displaced.
 - ☐ B. Only the object moves, even if no force is applied.
 - ☐ C. The object is at rest, and a force is applied.
 - ☐ D. Only a force is applied, even if the object does not move.

Q.24 In which state of matter is the space between particles maximum ?

- Ans**
- ☒ A. Gas
 - ☐ B. All have equal space
 - ☐ C. Liquid
 - ☐ D. Solid

Q.25 In household electricity supply, which of the following statements correctly describes the colour codes of the wires?

- Ans**
- ☒ A. The live wire is red, the neutral wire is black, and the earth wire is green
 - ☐ B. The live wire is blue, the neutral wire is green, and the earth wire is red
 - ☐ C. The live wire is green, the neutral wire is red, and the earth wire is black
 - ☐ D. The live wire is black, the neutral wire is green, and the earth wire is blue

Section : Mathematics

Q.26 A girl goes to school at a speed of 10 km/hr. She comes back with a speed of 40 km/hr. Find her average speed for the whole journey.

- Ans**
- ☒ A. 16 km/hr
 - ☐ B. 6 km/hr
 - ☐ C. 13 km/hr
 - ☐ D. 21 km/hr

Q.27 Successive discounts of 40% and 15% are equivalent to a single discount of _____.

- Ans**
- ☒ A. 49%
 - ☐ B. 51%
 - ☐ C. 50%
 - ☐ D. 52%

Q.28 Nine years ago, Asha was thrice as old as Bhawna. Seven years from now, Asha will be twice as old as Bhawna. Find the present age of Bhawna.

- Ans ☐ A. 30 years
☒ B. 25 years
☐ C. 26 years
☐ D. 28 years

Q.29 In a quadrilateral ABCD, $\angle A = 36^\circ$ and $\angle B = 93^\circ$. The bisectors of $\angle C$ and $\angle D$ meet at O. What is the measure of $\angle DOC$?

- Ans ☐ A. 68°
☒ B. 64.5°
☐ C. 62°
☐ D. 69.5°

Q.30 The ratio of incomes of two persons is 8:5 and the ratio of their expenditure is 2:1. If each of them manages to save ₹160 per month, find the difference of their monthly income.

- Ans ☐ A. ₹220
☐ B. ₹260
☒ C. ₹240
☐ D. ₹200

Q.31 The difference between a single discount of 46% and two successive discounts of 30% and 20% on the marked price of an article is ₹256. Find the marked price of the article (in ₹).

- Ans ☐ A. 12,400
☐ B. 12,200
☐ C. 12,600
☒ D. 12,800

Q.32 ₹13,525 is divided among A, B, and C in such a way that if ₹29, ₹70, and ₹28 be deducted from their respective shares, they have money in the ratio 19 : 6 : 8. Find the difference between the B's and C's original shares.

- Ans ☐ A. ₹662
☒ B. ₹770
☐ C. ₹762
☐ D. ₹712

Q.33 A sum of ₹15,000 is lent at the rate of 15% per annum compound interest, compounded annually for two years. What is the interest received (in ₹) after two years?

- Ans ☒ A. 4,837.50
☐ B. 4,973.75
☐ C. 5,137.25
☐ D. 4,738.25

Q.34 A man loses 20% of his money. He then spends 25% of what remains. If he is left with ₹525, what was his original amount?

- Ans ☒ A. ₹875
☐ B. ₹890
☐ C. ₹880
☐ D. ₹885

Q.35 If the ratio of the the speeds of three cars is 2:3:5, then the ratio of the these three cars to travel the same distance is:



- Ans
- ☐ A. 10 : 15 : 6
 - ☐ B. 10 : 6 : 15
 - ☐ C. 6 : 10 : 15
 - ☒ D. 15 : 10 : 6

Q.36 Find the volume of a cuboid whose length, breadth and height are in the ratio 4 : 3 : 2 and total surface area is 832 cm².

- Ans
- ☐ A. 1586 cm³
 - ☐ B. 1556 cm³
 - ☐ C. 1516 cm³
 - ☒ D. 1536 cm³

Q.37 If the radius of a sphere is 3 cm, then its surface area is:

- Ans
- ☒ A. $36 \pi \text{ cm}^2$
 - ☐ B. $98 \pi \text{ cm}^2$
 - ☐ C. $49 \pi \text{ cm}^2$
 - ☐ D. $72 \pi \text{ cm}^2$

Q.38 Find the value of $\sec^2 18^\circ - \cot^2 72^\circ + \sin^2 30^\circ + \operatorname{cosec}^2 60^\circ - \operatorname{cosec}^2 18^\circ + \tan^2 72^\circ$.

- Ans
- ☐ A. $\frac{12}{19}$
 - ☒ B. $\frac{19}{12}$
 - ☐ C. $\frac{10}{19}$
 - ☐ D. $\frac{19}{10}$

Q.39 What is the mode of the following data?

85, 73, 89, 82, 67, 61, 78, 69, 86, 68, 64, 76, 64, 85, 68, 85, 68, 81, 68, 72, 64, 72, 76, 84, 88

- Ans
- ☐ A. 85
 - ☐ B. 73
 - ☐ C. 89
 - ☒ D. 68

Q.40 Find the single discount equivalent to two successive discounts of 28% and 16%.

- Ans
- ☐ A. 43.38%
 - ☐ B. 39.92%
 - ☐ C. 43.51%
 - ☒ D. 39.52%

Q.41 Pipe A can fill a cistern in 15 minutes and Pipe B can fill it in 35 minutes, while Pipe C can empty the full cistern in 1 hour. If all the pipes are turned on at the same time, in how much time (in minutes) will the cistern be full?

- Ans
- ☐ A. $14\frac{10}{11}$
 - ☐ B. $13\frac{9}{11}$
 - ☐ C. $10\frac{7}{11}$
 - ☒ D. $12\frac{8}{11}$

Q.42 There are 156 boy students and 143 girl students in a school. The principal wants to divide them in sections, such that a section can have only boys or only girls. If all sections should have the same number of students, and the principal wants to have as fewer sections as possible, how many sections would be there in the school?

- Ans
- ☐ A. 43
 - ☒ B. 23
 - ☐ C. 25
 - ☐ D. 45

Q.43 The number of two-digit numbers divisible by 6 is:

- Ans
- ☐ A. 18
 - ☐ B. 16
 - ☒ C. 15
 - ☐ D. 12

Q.44 The average of the first 16 odd natural numbers, is:

- Ans
- ☐ A. 17
 - ☐ B. 15.5
 - ☐ C. 16.5
 - ☒ D. 16

Q.45 Evaluate the given expression.

$$35 - [25 - \{31 - (21 - 11 + 9)\}]$$

- Ans
- ☐ A. 21
 - ☐ B. 19
 - ☒ C. 22
 - ☐ D. 25

Q.46 Rishi can do a piece of work in 11 days. Shan is 10% more efficient than Rishi. The number of days taken by Shan to do the same piece of work is:

- Ans
- ☐ A. 11
 - ☒ B. 10
 - ☐ C. 20
 - ☐ D. 15

Q.47 If 66% of the first number is equal to three-fifths of the second number, what is the ratio of the first number to the second number?

- Ans
- ☒ A. 10 : 11
 - ☐ B. 9 : 14
 - ☐ C. 5 : 7
 - ☐ D. 8 : 11

Q.48 In an election held between two candidates, 75% voters cast their vote. 9261 votes which was 75% of valid votes. In this election what was the total number of valid votes?

- Ans
- ☒ A. 17,800
 - ☒ B. 16,800
 - ☒ C. 17,560
 - ☒ D. 17,500

Q.49 A shopkeeper bought 10 kg wheat at ₹20 per kg and 15 kg wheat at ₹18 per kg. At what price per kg should he sell the mixed variety of wheat to earn a profit of 20%?

- Ans
- ☒ A. ₹29.60
 - ☒ B. ₹28.60
 - ☒ C. ₹26.60
 - ☒ D. ₹27.60

Q.50 The value of $13^3 - 8^3$ is:

- Ans
- ☒ A. 1685
 - ☒ B. 1430
 - ☒ C. 1769
 - ☒ D. 1725

Section : General Intelligence and Reasoning

Q.51 A, B, C, D, E, F and G are sitting in a straight line facing North. Only five people sit between D and C. E sits to the immediate left of C. Only one person sits between E and A. G sits at some place to the left of F but at some place to the right of B. How many people sit to the right of A?

- Ans
- ☒ A. 3
 - ☒ B. 2
 - ☒ C. 4
 - ☒ D. 1

Q.52 JLIU is related to EKGV in a certain way based on the English alphabetical order. In the same way, MWQE is related to HVOF. To which of the following is CBTJ related to, following the same logic?

- Ans
- ☒ A. XARK
 - ☒ B. YQRP
 - ☒ C. WOPK
 - ☒ D. ZNOP

Q.53 BONZ is related to SFEQ in a certain way based on the English alphabetical order. In the same way, REDP is related to IVUG. To which of the following options is QDCO related, following the same logic?

- Ans
- ☒ A. HTYU
 - ☒ B. HFTY
 - ☒ C. HUFT
 - ☒ D. HUTF

- Q.54** 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:

All notepads are diaries.
All diaries are organisers.
Some organisers are planners.

Conclusions:

(I): All notepads are organisers.
(II): Some planners are notepads.

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

- Q.55** Refer to the following number series and answer the question that follows.
Counting to be done from left to right only.
(All numbers are single-digit numbers only.)

(Left) 8 7 4 1 5 7 4 8 6 6 6 2 5 5 8 4 3 9 4 3 1 7 7 5 1 2 5 (Right)

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

- Ans** ☐ A. 3
☐ B. 2
☐ C. 0
☒ D. 1

- Q.56** 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

15 - 3 - 45
12 - 4 - 48

- Ans** ☐ A. 41 - 3 - 113
☐ B. 5 - 6 - 36
☒ C. 31 - 2 - 62
☐ D. 10 - 2 - 30

- Q.57** Varun ranked 24th from the top and 47th from the bottom in his class. How many students are there in his class?

- Ans** ☐ A. 71
☒ B. 70
☐ C. 72
☐ D. 69

Q.58 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$66 \times 6 \div 3 - 128 \div 2 + 15 \times 3 - 16 \div 2 + 17 = ?$$

- Ans
- ☐ A. 239
 - ☐ B. 224
 - ☐ C. 245
 - ☒ D. 299

Q.59 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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ A. JMQ
 - ☐ B. PSW
 - ☐ C. DGK
 - ☒ D. FIN

Q.60 In a certain code language, 'JARS' is coded as '6428' and 'SIDE' is coded as '5761'. What is the code for 'S' in the given code language?

- Ans
- ☒ A. 6
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 8

Q.61 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$37 \div 5 - 91 + 16 \times 4 = ?$$

- Ans
- ☐ A. 268
 - ☐ B. 270
 - ☒ C. 272
 - ☐ D. 274

Q.62 Mohak starts from Point A and drives 12 km towards the South. He then takes a left turn, drives 11 km, turns left and drives 15 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 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 degrees turns only unless specified)

- Ans
- ☐ A. 4 km to the east
 - ☒ B. 3 km to the east
 - ☐ C. 3 km to the west
 - ☐ D. 4 km to the west

Q.63 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 8239847, how many digits will appear more than once in the new number thus formed?

- Ans
- ☐ A. One
 - ☐ B. Three
 - ☒ C. Two
 - ☐ D. None

Q.64 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FCF 47 HEH 58 JGJ 69 LIL 80 ?

- Ans
- ☐ A. MLM 91
 - ☐ B. MJM 90
 - ☐ C. NKN 90
 - ☒ D. NKN 91

Q.65 In a certain code language, 'touch snow gently' is coded as 'lu ek ag' and 'snow falls light' is coded as 'ph lu yn'. How is 'snow' coded in the given language?

- Ans
- ☐ A. ek
 - ☐ B. yn
 - ☒ C. lu
 - ☐ D. ph

Q.66 What should come in place of the question mark (?) in the given series?

76 81 91 111 151 ?

- Ans
- ☐ A. 233
 - ☐ B. 232
 - ☒ C. 231
 - ☐ D. 230

Q.67 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. OY - TD
 - ☒ B. FS - KY
 - ☐ C. BK - GP
 - ☐ D. MP - RU

Q.68 YOBD is related to IYLN in a certain way based on the English alphabetical order. In the same way, MCPR is related to WMZB. To which of the following options is QGTV related to, following the same logic?

- Ans
- ☐ A. ADRT
 - ☐ B. AXSW
 - ☒ C. AQDF
 - ☐ D. ADER

Q.69 Refer to the following number series and answer the question that follows.
Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 3 1 2 9 8 4 1 5 4 2 1 5 8 1 3 4 7 5 3 6 5 7 6 6 1 1 2 (Right)

How many such odd numbers are there each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- ☐ A. 2
 - ☐ B. 3
 - ☐ C. 0
 - ☒ D. 1

Q.70 Select the number from among the given options that can replace the question mark (?) in the following series.

121, 144, 169, 196, ?

- Ans**
- ☐ A. 215
 - ☐ B. 115
 - ☐ C. 125
 - ☒ D. 225

Q.71 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

PDH, RFJ, THL, VJN, ?

- Ans**
- ☐ A. XLO
 - ☒ B. XLP
 - ☐ C. XMP
 - ☐ D. XMO

Q.72 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only (all numbers are single digit numbers only).

(Left) # 5 1 & & 5 + 8 3 & * < \ 9 \$ > > * 5 / 7 (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

- Ans**
- ☒ A. Three
 - ☐ B. Two
 - ☐ C. Four
 - ☐ D. One

Q.73 A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits third to the right of C. E sits third to the left of C. B sits second to the left of D. G sits to the immediate left of A. How many people sit between F and G when counted from the left of F?

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Four
 - ☒ D. Three

Q.74 Rajesh starts from Point M and drives 13 km towards the north. Then he takes a right turn and drives 6 km, he turns right again and drives 5 km. Then he takes a left turn and drives 3 km, then he turns right and drives 10 km. He then takes a final right turn and drives 9 km and stops at Point N. How far (shortest distance) and towards which direction should he drive in order to reach Point M again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ A. 4 km towards the south
 - ☒ B. 2 km towards the north
 - ☐ C. 4 km towards the north
 - ☐ D. 2 km towards the south

Q.75 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 shells are mats. All mats are lotions.
Conclusion (I): Some lotions are shells
Conclusion (II): No lotion is a shell

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

Q.76 In a row of people all facing North, Alok is 12th from the right end. Pyush is 18th from the right end. Pyush is exactly between Alok and Priyanka. If Priyanka is 5th from the left end of the line, how many people are there in the row?

- Ans** ☒ A. 28
☐ B. 27
☐ C. 29
☐ D. 26

Q.77 What should come in place of the question mark (?) in the given series?

61 66 72 77 83 ?

- Ans** ☐ A. 89
☐ B. 90
☒ C. 88
☐ D. 87

Q.78 Refer to the following series and answer the question. (All numbers are single-digit numbers only) (Counting to be done from left to right only).
(Left) 5 4 3 6 7 8 2 1 9 3 3 2 4 5 (Right)
How many such odd numbers are there, each of which is immediately preceded by an even number and immediately followed by an even number?

- Ans** ☐ A. More than three
☐ B. Three
☒ C. Two
☐ D. One

Q.79 In a certain code language,
A+ B means 'A is the sister of B'
A # B means 'A is the brother of B'
A × B means 'A is the wife of B'
A @ B means 'A is the father of B'
Based on the above, how is L related to R if 'L@O+V#E×R'?

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

Q.80 A, B, C, D, E, F and G are sitting around a circular table facing the centre. F sits third to the right of G. A sits third to the right of F. C is the immediate neighbour of B and A. D sits third to the right of A.

How many people sit between E and D when counted from the left of E ?

- Ans**
- ☐ A. Two
 - ☐ B. Four
 - ☐ C. Three
 - ☒ D. Five

Section : General Awareness and Current Affairs

Q.81 Who won the prestigious Women Player of the Year Female award for FIH 2024?

- Ans**
- ☒ A. Yibbi Jansen
 - ☐ B. Sarah Wilson
 - ☐ C. Zoe Diaz
 - ☐ D. Ye Jiao

Q.82 At the 2025 Khelo India Youth Games, Bihar made a notable achievement. What was the total number of medals won by the state?

- Ans**
- ☐ A. 30
 - ☐ B. 25
 - ☒ C. 36
 - ☐ D. 40

Q.83 In 2025, which country requested consultations with India at the World Trade Organization regarding trade measures on solar cells and modules?

- Ans**
- ☒ A. China
 - ☐ B. Australia
 - ☐ C. Brazil
 - ☐ D. South Korea

Q.84 Which four entertainment icons were honored with Oscars at the 2025 Governors Awards?

- Ans**
- ☒ A. Tom Cruise, Dolly Parton, Debbie Allen, Wynn Thomas
 - ☐ B. Meryl Streep, Judi Dench, Clint Eastwood, Martin Scorsese
 - ☐ C. George Lucas, Viola Davis, Michael Mann, Sofia Coppola
 - ☐ D. Steven Spielberg, Angela Bassett, Benicio del Toro, Julie Taymor

Q.85 Which Indian state hosted the 2025 Asia Rugby U-20 Sevens Championship, which was held on August 9-10?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Bihar
 - ☐ C. West Bengal
 - ☐ D. Assam

Q.86 The BHARAT study, launched by the Indian Institute of Science (IISc), Bengaluru, in 2023, focuses on:

- Ans**
- ☐ A. Promoting traditional wellness practices among senior citizens
 - ☐ B. Identifying economic patterns of India's aging population
 - ☒ C. Studying biomarkers of healthy aging, resilience, adversity, and transitions
 - ☐ D. Surveying rural health infrastructure for elderly care

Q.87 Which missile was successfully launched by DRDO from a rail-based mobile launcher under full operational conditions on 24 September 2025?

- Ans**
- ☐ A. Prithvi-II
 - ☐ B. Agni-I
 - ☐ C. BrahMos
 - ☒ D. Agni-Prime

Q.88 In May 2025, the Reserve Bank of India (RBI) initiated reviewing digital wallets linked to which of the following sectors after BluSmart shutdown?

- Ans**
- ☐ A. Travel bookings
 - ☒ B. Electric vehicle services
 - ☐ C. Food delivery
 - ☐ D. Healthcare

Q.89 In which competition did Parul Chaudhary break her national record in 2025?

- Ans**
- ☐ A. Indian National Championships
 - ☐ B. Doha Diamond League
 - ☒ C. Asian Athletics Championship
 - ☐ D. Commonwealth Games

Q.90 The launch of "Mission Shakti 5.0" during International Girl Child Week (October 3–11, 2025) in Uttar Pradesh contributed mainly to progress in which of the following Sustainable Development Goals (SDGs)?

- Ans**
- ☐ A. Clean energy / sustainable energy
 - ☐ B. Responsible consumption and production
 - ☒ C. Gender equality
 - ☐ D. Quality education

Q.91 In 2025, India signed a \$126.42 million loan agreement with which institution for the purpose of developing sustainable tourism infrastructure around Tehri Lake in Uttarakhand?

- Ans**
- ☐ A. International Monetary Fund
 - ☐ B. New Development Bank
 - ☐ C. World Bank
 - ☒ D. Asian Development Bank

Q.92 Which of the following missions is the first space-based Indian mission to study the sun?

- Ans**
- ☒ A. Aditya L1
 - ☐ B. Mangalyaan
 - ☐ C. Chandrayaan-1
 - ☐ D. AstroSat

- Q.93** Who received the Hollywood Music in Media Awards 2024 for the film Aadujeevitham: The Goat Life?
- Ans** ☒ A. Shankar-Ehsaan-Loy
☒ B. A.R. Rahman
☒ C. Himesh Reshammiya
☒ D. Ilaiyaraaja
- Q.94** As on 31st August 2025, how many total projects did NABARD sanction under term loans across 8 State Governments?
- Ans** ☒ A. 64
☒ B. 92
☒ C. 72
☒ D. 86
- Q.95** Which Indian Ministry released the first-ever monthly Periodic Labour Force Survey (PLFS) in April 2025?
- Ans** ☒ A. Ministry of Finance
☒ B. Ministry of Labour and Employment
☒ C. Ministry of Statistics and Programme Implementation
☒ D. Ministry of Home Affairs
- Q.96** Which party held the Kaliganj seat in West Bengal during the by-polls held in June 2025?
- Ans** ☒ A. Bharatiya Janata Party
☒ B. Biju Janata Dal
☒ C. Trinamool Congress
☒ D. Aam Aadmi Party
- Q.97** In August 2025, which of the following banks declared the loan accounts of Reliance Communications and Anil Ambani as fraud, following a similar action by the State Bank of India (SBI)?
- Ans** ☒ A. Indian Overseas Bank
☒ B. ICICI Bank
☒ C. Bank of India
☒ D. Punjab National Bank
- Q.98** In the context of 2025 discussions on global governance and foreign-policy literacy, which of the following books by Richard Haass is widely cited as a concise primer that helps general readers understand world politics and major global challenges?
- Ans** ☒ A. The New Map
☒ B. The Future Is Asian
☒ C. The Long Game
☒ D. The World: A Brief Introduction
- Q.99** What was the main purpose of bringing the four Labour Codes into effect on 21 November 2025?
- Ans** ☒ A. Streamlining labour regulations
☒ B. Expanding 11 social security coverage
☒ C. Enhancing worker safety
☒ D. Introducing minimum wages

Q.100 Which of the following neighboring countries of India had a ranking worse than India in the Sustainable Development Goals (SDG) Index in the 2025 edition of the Sustainable Development Report (SDR) released in June 2025?

- Ans**
- ☐ A. Nepal
 - ☐ B. Bhutan
 - ☐ C. Sri Lanka
 - ☒ D. Pakistan



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - ७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Sun Testing Center
Test Date	09/02/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which connective tissue is known for supporting internal organs?

- Ans
- ☒ A. Tendon
 - ☒ B. Areolar tissue
 - ☒ C. Ligament
 - ☒ D. Squamous epithelium

Q.2 How does the space between particles change from solid to gas?

- Ans
- ☒ A. The space decreases as matter changes from solid to gas
 - ☒ B. Solids and gases always have equal spacing
 - ☒ C. The space increases as matter changes from solid to gas
 - ☒ D. The space remains unchanged during the change in states of matter

Q.3 A sealed syringe containing air is pressed from one end while keeping the other end closed. What is the most likely outcome of this action in terms of the state of air inside the syringe?

- Ans
- ☒ A. The volume of air decreases and its pressure increases
 - ☒ B. The temperature of air inside drops significantly
 - ☒ C. The air escapes completely from the syringe
 - ☒ D. The volume of air increases and pressure decreases

Q.4 Which structure in *Rhizopus* is directly involved in the process of reproduction through spore formation?

- Ans
- ☒ A. Sporangia
 - ☒ B. Hyphae
 - ☒ C. Rhizoids
 - ☒ D. Mycelium

Q.5 A real and inverted image is formed at a distance of 30 cm from a concave mirror when the object is placed 40 cm from the mirror. What will be the magnification produced by the mirror?

- Ans**
- ☐ A. - 4/3
 - ☐ B. + 3/4
 - ☐ C. + 4/3
 - ☒ D. - 3/4

Q.6 In a toaster, the heating wire glows red because _____.

- Ans**
- ☐ A. The current is very high.
 - ☒ B. It resists the current and gets hot.
 - ☐ C. It has low melting point.
 - ☐ D. It has zero resistance.

Q.7 A boy lifts an object above his head by exerting a force. Which of the following works is negative?

- Ans**
- ☐ A. Work done by the object
 - ☐ B. Work done by the applied force
 - ☒ C. Work done by the force of gravity
 - ☐ D. Work done by the boy

Q.8 Which of the following statements is true about weight and mass?

- Ans**
- ☐ A. Only mass changes on the Moon
 - ☐ B. Both mass and weight change on the Moon
 - ☐ C. Neither mass nor weight changes on the Moon
 - ☒ D. Only weight changes on the Moon

Q.9 The filament of a light bulb is made up of tungsten, because of its ____.

- Ans**
- ☐ A. Low resistance and low melting point
 - ☐ B. High resistance and low melting point
 - ☒ C. High resistance and high melting point
 - ☐ D. Low resistance and high melting point

Q.10 Which of the following is NOT an olfactory indicator?

- Ans**
- ☒ A. Litmus
 - ☐ B. Onion
 - ☐ C. Vanilla
 - ☐ D. Clove oil

Q.11 What is the general name of the reaction between an acid and a base?

- Ans**
- ☐ A. Oxidation
 - ☐ B. Decomposition
 - ☒ C. Neutralisation
 - ☐ D. Combustion

Q.12 During a nerve impulse transmission, neurotransmitters are released from one neuron and received by another. Which part of neurons are primarily involved in this chemical communication?

- Ans**
- ☒ A. Axon terminal → Dendrite of another neuron
 - ☐ B. Cell body → Axon of same neuron
 - ☐ C. Axon → Myelin sheath of nerve
 - ☐ D. Dendrite → Axon terminal of same neuron

Q.13 During the birth, the ovaries of a girl child contain _____.

- Ans**
- ☒ A. Only immature eggs
 - ☐ B. No eggs
 - ☐ C. Both mature and immature eggs
 - ☐ D. Only mature eggs

Q.14 Read the following statements carefully and select the correct option.

Assertion (A): Keeping oily food in airtight containers prevents rancidity.

Reason (R): Airtight containers slow down the oxidation of fats and oils.

- Ans**
- ☒ A. Both A and R are true, and R is the correct explanation of A.
 - ☐ B. A is true, but R is false.
 - ☐ C. A is false, but R is true.
 - ☐ D. Both A and R are true, and R is not the correct explanation of A.

Q.15 A scientist observed a multicellular organism undergoing reproduction. Which of the following methods would the plant NOT be using?

- Ans**
- ☐ A. Fragmentation
 - ☐ B. Budding
 - ☐ C. Vegetative Propagation
 - ☒ D. Binary Fission

Q.16 The complex tissue that transports food in plants is called _____, and it consists of living cells like sieve tubes and _____.

- Ans**
- ☐ A. Collenchyma, sclerenchyma
 - ☒ B. Phloem, companion cells
 - ☐ C. Xylem, xylem fibres
 - ☐ D. Xylem, tracheids

Q.17 Which of the following is the correct unit of average speed in SI system?

- Ans**
- ☒ A. m/s
 - ☐ B. m/s²
 - ☐ C. s/m²
 - ☐ D. km/h²

Q.18 A student shows a concave lens forming a diminished real image on the screen. The mistake is:

- Ans**
- ☒ A. Concave lens cannot form a real image
 - ☐ B. Concave lens does not refract light
 - ☐ C. Concave lens always converges light
 - ☐ D. Concave lens cannot form a magnified image

Q.19 In plants, food made in leaves is transported to other parts by the complex tissue called _____.

- Ans**
- ☐ A. Collenchyma
 - ☐ B. Xylem
 - ☐ C. Sclerenchyma
 - ☒ D. Phloem

Q.20 Based on the reactivity series, which of the following metals is the least reactive?

- Ans**
- ☐ A. Ca (calcium)
 - ☒ B. Au (gold)
 - ☐ C. Fe (iron)
 - ☐ D. K (potassium)

Q.21 Which of the following symbols is used for the element phosphorus as per the rules for atomic symbols?

- Ans**
- ☐ A. Ps
 - ☐ B. Pr
 - ☐ C. Ph
 - ☒ D. P

Q.22 A sound wave has a speed of 320 m/s. If the wavelength of the wave is 0.4 m, what is the frequency of this wave?

- Ans**
- ☐ A. 1280 Hz
 - ☒ B. 800 Hz
 - ☐ C. 80 Hz
 - ☐ D. 128 Hz

Q.23 Which property enables carbon to form long chains?

- Ans**
- ☐ A. Polymerisation
 - ☐ B. Tetravalency
 - ☒ C. Catenation
 - ☐ D. Isomerism

Q.24 The disease-causing pathogens in plants can be transmitted through_____.

- Ans**
- ☐ A. Air
 - ☐ B. Soil
 - ☐ C. Neither Soil nor Air
 - ☒ D. Both Soil and Air

Q.25 A constant force acts on an object of mass 4 kg for a duration of 2 s, increasing its velocity from 2 m/s to 8 m/s. If the same force is applied for a duration of 4 s, then what would be the final velocity of the object?

- Ans**
- ☐ A. 10 m/s
 - ☐ B. 12 m/s
 - ☐ C. 20 m/s
 - ☒ D. 14 m/s

Section : Mathematics

Q.26 If the mode of a data exceeds its mean by 34.8, then the mode exceeds the median by _____. (Use empirical formula to find the answer)

- Ans**
- ☐ A. 26.9
 - ☐ B. 19.3
 - ☒ C. 23.2
 - ☐ D. 21.6

Q.27 Simplify: $\sqrt{121 \times 49} + \sqrt{64 \times 36} - \sqrt{100 \times 16}$

- Ans ☐ A. 51
☒ B. 85
☐ C. 72
☐ D. 95

Q.28 A and B started moving at the same time towards each other from points X and Y, respectively. After meeting on the way, A and B took 95.4 hours and p hours, respectively, to reach Y and X, respectively. If the speed of B is 50% more than that of A, then what is the value of p?

- Ans ☐ A. 40.4
☒ B. 42.4
☐ C. 44.5
☐ D. 43.8

Q.29 The sum of the first pair of two-digit twin prime numbers is:

- Ans ☐ A. 28
☐ B. 26
☐ C. 22
☒ D. 24

Q.30 Pipe A can fill a tank in 33 minutes and Pipe B can fill it in 22 minutes. Pipe C empties it. If all of the pipes are opened together, the tank will be full in 55 minutes. In how many minutes will pipe C empty the full tank?

- Ans ☐ A. $15\frac{5}{19}$
☒ B. $17\frac{7}{19}$
☐ C. $16\frac{6}{19}$
☐ D. $14\frac{4}{19}$

Q.31 The present age of a father is 4 times the age of his daughter. Five years later, what is the present age of the daughter?

- Ans ☐ A. 18 years
☐ B. 20 years
☐ C. 15 years
☒ D. 10 years

Q.32 An item is sold for ₹8,900 after two successive discounts of 20% and 11%. What is the marked price (in ₹) of the item?

- Ans ☒ A. 12,500
☐ B. 12,670
☐ C. 12,495
☐ D. 12,525

Q.33 What is the mode of the following data?

65, 86, 86, 85, 69, 90, 71, 60, 86, 71, 86, 65, 81, 82, 67, 72, 84, 66, 75, 85, 68, 78, 61, 64, 74, 90

- Ans
- ☒ A. 65
 - ☒ B. 85
 - ☒ C. 86
 - ☒ D. 69

Q.34 A shopkeeper fixed the marked price of an article as ₹2,40,000. He gave 30% and 18% successive discounts on one article and 48% discount on another article of the same marked price. On which of the two articles did the shopkeeper get more benefit and how much more was it?

- Ans
- ☒ A. Second article; ₹12,800
 - ☒ B. Second article; ₹10,960
 - ☒ C. First article; ₹11,560
 - ☒ D. First article; ₹12,960

Q.35 If 66 is the mean proportion between x and 99, what is the value of x?

- Ans
- ☒ A. 46
 - ☒ B. 42
 - ☒ C. 44
 - ☒ D. 43

Q.36 The amount on a sum of ₹9,400 at 20% per annum compound interest, compounded annually, in 2 years will be:

- Ans
- ☒ A. ₹13,536
 - ☒ B. ₹13,189
 - ☒ C. ₹12,838
 - ☒ D. ₹14,133

Q.37 Let A and B be the angles of regular polygons of sides 8 and 10 respectively. The value of $\sin^2\left(\frac{A}{3}\right) + \cos^3\left(\frac{5B}{6}\right)$ is

- Ans
- ☒ A. $\frac{3}{8}$
 - ☒ B. $\frac{5}{8}$
 - ☒ C. $\frac{3}{4}$
 - ☒ D. $\frac{1}{4}$

Q.38 The speed of a train 200 m long is 50 km/hr. How much time will it take to pass a platform 600 m long?

- Ans
- ☒ A. 57 sec
 - ☒ B. 56 sec
 - ☒ C. 57.6 sec
 - ☒ D. 55 sec

Q.39 A man receives ₹9475 per month as salary. He saves 88% of his salary every month. His expenditure per month is:

- Ans ☒ A. ₹1137
☐ B. ₹1114
☐ C. ₹1168
☐ D. ₹1053

Q.40 The area of a rectangle gets reduced by 21 m^2 if its length is reduced by 7 m and breadth is increased by 5 m and if its length is increased by 4 m and breadth is increased by 5 m, the area is increased by 67 m^2 . Find the original area of the rectangle.

- Ans ☐ A. 21.8 m^2
☐ B. 15.6 m^2
☐ C. 12.8 m^2
☒ D. 21 m^2

Q.41 ₹9,975 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 2 : 3, 4 : 5 and 6 : 7, respectively. The share of A (in ₹) is:

- Ans ☐ A. 1,460
☐ B. 1,490
☒ C. 1,520
☐ D. 1,560

Q.42 In an election with three candidates, M, N and R, candidate M secured 42% of the total votes, while candidate R obtained 34%. If the total number of votes polled was 37,700 and all were valid, how many votes did candidate N receive?

- Ans ☐ A. 9100
☐ B. 9000
☒ C. 9048
☐ D. 9164

Q.43 A rectangular water tank 5 m long and 3 m wide contains water up to a depth of 1.50 m. The area of the wet surface is:

- Ans ☐ A. 54 m^2
☐ B. 24 m^2
☐ C. 36 m^2
☒ D. 39 m^2

Q.44 Rishi can do a piece of work in 12 days. Shan is 20% more efficient than Rishi. The number of days taken by Shan to do the same piece of work is:

- Ans ☒ A. 10
☐ B. 15
☐ C. 20
☐ D. 12

Q.45 What is the smallest natural number that should be added to 9054 such that a remainder of 6 is left when the resulting number is divided by each of the numbers 28, 24, 56 and 29?

- Ans ☐ A. 678
☐ B. 710
☒ C. 696
☐ D. 695

Q.46 The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 4% and savings increase by 35%, then by what percent does her income increase?

- Ans
- ☐ A. 14%
 - ☐ B. 12%
 - ☐ C. 11%
 - ☒ D. 9%

Q.47 The cost of 2 chocolates and 3 cookies is ₹36. The cost of 1 chocolate is ₹12. What is the cost of 4 chocolates and 5 cookies?

- Ans
- ☐ A. ₹56
 - ☐ B. ₹66
 - ☒ C. ₹62
 - ☐ D. ₹52

Q.48 Find the value of $\tan 10^\circ \tan 18^\circ \tan 72^\circ \tan 80^\circ$

- Ans
- ☒ A. 1
 - ☐ B. $\tan 18^\circ$
 - ☐ C. $\tan 80^\circ$
 - ☐ D. -1

Q.49 Simplify the following.

$$(3x^2 + 4x^2) \div 7x$$

- Ans
- ☐ A. x^2
 - ☐ B. $7x^2$
 - ☒ C. x
 - ☐ D. $\frac{12x}{7}$

Q.50 A table is bought for ₹1,400 and sold at a loss of 6%. Find its selling price.

- Ans
- ☐ A. ₹1,312
 - ☐ B. ₹1,314
 - ☒ C. ₹1,316
 - ☐ D. ₹1,310

Section : General Intelligence and Reasoning

Q.51 This question is based on the five, three-digit numbers given below.

(Left) 324 286 472 539 731 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

- Ans
- ☐ A. None
 - ☐ B. One
 - ☐ C. Two
 - ☒ D. Three

Q.52 What should come in place of the question mark (?) in the given series?

89 94 99 104 109 ?

- Ans ☐ A. 113
☐ B. 115
☐ C. 116
☒ D. 114

Q.53 Refer to the following series and answer the question. (All numbers are single-digit numbers only) (Counting to be done from left to right only).
(Left) 3 1 4 1 5 9 2 6 5 3 5 5 7 6 4 3 9 2 8 4 5 5 6 (Right)
How many such odd numbers are there, each of which is immediately preceded by an even number and immediately followed by an even number?

- Ans ☐ A. Three
☐ B. Two
☒ C. None
☐ D. One

Q.54 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:

All rods are hooks.
Some hooks are baits.

Conclusions:

(I): All rods are baits.
(II): Some baits are rods.

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

Q.55 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 letter-cluster pair 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. AE - FB
☒ B. WH - BD
☐ C. GQ - LN
☐ D. QK - VH

Q.56 What should come in place of the question mark (?) in the given series?

16 31 46 61 76 ?

- Ans ☐ A. 89
☐ B. 81
☐ C. 99
☒ D. 91

Q.57 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
VZY 64 XBA 58 ZDC 52 BFE 46 ?

- Ans**
- ☒ A. DIF 40
 - ☒ B. DHG 40
 - ☒ C. DGF 39
 - ☒ D. DHM 39

Q.58 City A is to the north of City B. City D is to the east of City A. City D is to the south of City E. If City E is to the west of City C, what is the direction of City B with respect to City E?

- Ans**
- ☒ A. South West
 - ☒ B. West
 - ☒ C. North
 - ☒ D. East

Q.59 In a certain code language, 'VOLT' is coded as '6428' and 'LIFE' is coded as '5761'. What is the code for 'L' in the given code language?

- Ans**
- ☒ A. 5
 - ☒ B. 6
 - ☒ C. 2
 - ☒ D. 7

Q.60 Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north. Only S sits to the left of Q. Only four people sit between S and U. Only A sits between E and R, and E is not an immediate neighbor of U. Who sits at the extreme right of the line?

- Ans**
- ☒ A. D
 - ☒ B. A
 - ☒ C. U
 - ☒ D. S

Q.61 KGLO is related to QMRU in a certain way based on the English alphabetical order. In the same way, NJOR is related to TPUX. To which of the following is EAFI related to, following the same logic?

- Ans**
- ☒ A. KGLP
 - ☒ B. KGLO
 - ☒ C. KHL P
 - ☒ D. KHLO

Q.62 What should come in place of (?) in the given series in order to make it logically complete?
ED9 HF16 LI25 QM36 ?

- Ans**
- ☒ A. WR64
 - ☒ B. XT49
 - ☒ C. VR49
 - ☒ D. WR49

Q.63 QOHY is related to WJLV in a certain way based on the English alphabetical order. In the same way, NRBT is related to TMFQ. To which of the following is JRUF related to following the same logic?

- Ans**
- ☒ A. PNZD
 - ☒ B. QMYD
 - ☒ C. QNZC
 - ☒ D. PMYC

- Q.64** 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 conclusion/s logically follow/s from the given statements.

Statements: All fans are bulbs. Some bulbs are heaters. Some heaters are geysers.

Conclusion (I) : Some fans are heaters.

Conclusion (II) : Some bulbs are geysers.

- 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.65** What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$53 \div 13 + 391 \times 17 - 289 = ?$$

- Ans** ☐ A. 963
☐ B. 915
☐ C. 972
☒ D. 955

- Q.66** Each of the digits in the number 3652497 is arranged in descending order from left to right. What will be the product of the digits that are second from the left and second from the right in the number thus formed?

- Ans** ☐ A. 14
☐ B. 18
☒ C. 21
☐ D. 24

- Q.67** A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits to the immediate right of B. E sits third to the right of B. G sits third to the left of D. C is the immediate neighbour of D and E. A is not an immediate neighbour of B. How many people sit between F and D when counted from the left of F?

- Ans** ☐ A. Three
☐ B. Two
☐ C. Five
☒ D. Four

- Q.68** Aarav starts from Point A and drives 13 km towards the East. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 2 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 degrees turns only unless specified).

- Ans** ☐ A. 3 km to the South
☐ B. 4 km to the North
☒ C. 3 km to the North
☐ D. 4 km to the South

- Q.69** What should come in place of '?' in the given series?
119 136 155 172 191 ?

- Ans** ☐ A. 205
☐ B. 210
☒ C. 208
☐ D. 206

Q.70 A, B, C, D, E, F and G are sitting around a circular table facing the centre. E sits third to the left of B. D sits second to the right of B. C sits to the immediate right of F. G sits second to the right of A.
How many people sit between G and C when counted from the left of C?

- Ans**
- ☐ A. One
 - ☐ B. Four
 - ☐ C. Three
 - ☒ D. Two

Q.71 In a certain code language, 'she is lovely' is coded as 'kl pc cp' and 'lovely paint here' is coded as 'lk cp no'. How is 'lovely' coded in the given language?

(All codes are two-letter codes)

- Ans**
- ☐ A. kl
 - ☐ B. pc
 - ☒ C. cp
 - ☐ D. no

Q.72 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 11, 105)
(38, 42, 240)

- Ans**
- ☐ A. (93, 12, 318)
 - ☐ B. (46, 53, 287)
 - ☐ C. (34, 62, 286)
 - ☒ D. (74, 34, 324)

Q.73 JUNC is related to QBUJ in a certain way based on the English alphabetical order. In the same way, LWPE is related to SDWL. To which of the following options is GRKZ related, following the same logic?

- Ans**
- ☐ A. BNHJ
 - ☐ B. NGTY
 - ☐ C. NRTU
 - ☒ D. NYRG

Q.74 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 9 6 2 7 9 4 5 2 6 9 3 4 4 8 9 7 3 6 1 5 6 6 3 1 6 5 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans**
- ☐ A. 3
 - ☐ B. 0
 - ☒ C. 1
 - ☐ D. 2

- Q.75** In a certain code language,
A + B means 'A is the father of B',
A - B means 'A is the brother of B',
A x B means 'A is the sister of B',
A ÷ B means 'A is the wife of B'.

Based on the above, how is M related to Q if 'M + N x O - P ÷ Q'?

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

- Q.76** Andy ranked 11th from the top and 15th from the bottom in his class. How many students are there in the class?

- Ans** ☐ A. 26
☒ B. 25
☐ C. 27
☐ D. 24

- Q.77** 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. SK - XP
☐ B. JQ - OV
☐ C. EZ - JE
☒ D. DY - IC

- Q.78** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$154 \div 2 - 49 \div 7 + 10 \times 5 + 28 \times 7 - 25 \div 5 = ?$$

- Ans** ☐ A. 662
☐ B. 711
☐ C. 618
☒ D. 770

- Q.79** Refer to the following number, symbol series and answer the question. Counting to be done from left to right only (all numbers are single digit numbers only).

(Left) / 8 & + ^ 1 + < # @ ^ \ 2 # \$ 8 9 * 7 2 \$ (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans** ☐ A. Two
☐ B. One
☐ C. Four
☒ D. Three

Q.80 All 119 people are standing in a row facing north. Mr. Lkj is 7th from the right end while Mr. Ihg is 29th from the left end. How many people are there between Mr. Lkj and Mr. Ihg?

- Ans**
- ☐ A. 80
 - ☐ B. 82
 - ☐ C. 81
 - ☒ D. 83

Section : General Awareness and Current Affairs

Q.81 Which prestigious award was Dr. Anandharamakrishnan awarded in 2024 for his contributions to Agricultural Sciences?

- Ans**
- ☐ A. Shanti Swarup Bhatnagar Prize
 - ☐ B. Bharat Ratna
 - ☐ C. Padma Bhushan
 - ☒ D. Vigyan Shri Award

Q.82 Which athlete received the Laureus World Sportswoman of the Year in 2025?

- Ans**
- ☒ A. Simone Biles
 - ☐ B. Ellesse Andrews
 - ☐ C. Rebeca Andrade
 - ☐ D. Serena Williams

Q.83 In May 2025, the Reserve Bank of India (RBI) penalised the Union Bank of India and which of the following companies?

- Ans**
- ☐ A. Razorpay
 - ☐ B. Paytm
 - ☐ C. Broadridge Financial Solutions
 - ☒ D. Transactree Technologies

Q.84 In 2025, 36 people including government employees were arrested under "Operation Spot Trap" by the Vigilance and Anti-Corruption Bureau (VACB). Which state was this operation conducted in?

- Ans**
- ☐ A. Uttar Pradesh
 - ☒ B. Kerala
 - ☐ C. Rajasthan
 - ☐ D. Maharashtra

Q.85 Which seat did Congress win in the Kerala by-elections in June 2025?

- Ans**
- ☒ A. Nilambur
 - ☐ B. Kottayam
 - ☐ C. Ernakulam
 - ☐ D. Wayanad

Q.86 What change did the Banking Laws (Amendment) Act, notified in April 2025, make regarding bank nominee rules?

- Ans**
- ☐ A. Removed nomination option
 - ☐ B. Allowed only one nominee
 - ☒ C. Allowed up to four nominees
 - ☐ D. Made nomination optional

Q.87 The inaugural plenary session of the Indian Conservation Conference-2025 was held at which institution in June 2025?

- Ans**
- ☒ A. Wildlife Institute of India, Dehradun
 - ☐ B. Forest Research Institute, Dehradun
 - ☐ C. Indian Council of Forestry Research, Jabalpur
 - ☐ D. Indian Institute of Science, Bengaluru

Q.88 Which British honours list, including overseas recognitions, was published on 13 June 2025?

- Ans**
- ☒ A. King's Birthday Honours Overseas & International List
 - ☐ B. UK Civil Service Honors List
 - ☐ C. New Year Honours 2025
 - ☐ D. Queen's Platinum Overseas & International List

Q.89 Which of the following Indian states features the defence industrial corridor that attracted investment proposals worth ₹33,896 crore in 2025?

- Ans**
- ☐ A. Gujarat
 - ☐ B. Tamil Nadu
 - ☐ C. Maharashtra
 - ☒ D. Uttar Pradesh

Q.90 Which state government implemented an environmental tax on out-of-state vehicles starting December 2025?

- Ans**
- ☐ A. Assam
 - ☐ B. Himachal Pradesh
 - ☒ C. Uttarakhand
 - ☐ D. Sikkim

Q.91 What is its primary objective of the GoIStats app, launched by the Ministry of Statistics and Programme Implementation (MoSPI) in 2025?

- Ans**
- ☒ A. To give a snapshot of key socio-economic data of the Ministry
 - ☐ B. To offer real-time agricultural weather forecasts to farmers
 - ☐ C. To provide entertainment content and cultural heritage updates
 - ☐ D. To facilitate online shopping and digital payment services

Q.92 Under the Viksit Bharat-G RAM G Act 2025, how many days of statutory wage employment are guaranteed per rural household per financial year?

- Ans**
- ☐ A. 150 days
 - ☐ B. 100 days
 - ☒ C. 125 days
 - ☐ D. 110 days

Q.93 Which of the following countries hosted the 2025 FIFA U-17 World Cup under the new 48-team format?

- Ans**
- ☐ A. Brazil
 - ☐ B. Russia
 - ☐ C. India
 - ☒ D. Qatar

Q.94 Who set a world record in the men's javelin F42 category at the Nottwil World Para Athletics Grand Prix in Switzerland, winning the gold medal?

- Ans**
- ☐ A. Devender Singh
 - ☒ B. Mahendra Gurjar
 - ☐ C. Rinku Solanki
 - ☐ D. Praveen Kumar

Q.95 According to the Economic Survey released in January 2025, India was identified as the seventh most vulnerable country to climate change. What percentage of days in 2024 were marked by significant climate events such as heatwaves, cyclones and floods?

- Ans**
- ☒ A. 93%
 - ☐ B. 90%
 - ☐ C. 85%
 - ☐ D. 95%

Q.96 Major Dhyan Chand Khel Ratna Award 2024 winner, D Gukesh, is associated with which sports?

- Ans**
- ☐ A. Hockey
 - ☐ B. Badminton
 - ☒ C. Chess
 - ☐ D. Shooting

Q.97 Which of the following former AIFF officials, who also held key positions in various sports associations in Nagaland, passed away in 2025?

- Ans**
- ☐ A. Bhaichung Bhutia
 - ☐ B. Savio Medeira
 - ☐ C. Subrata Dutta
 - ☒ D. Atuo Mezhür

Q.98 In February 2025, which Indian athlete broke the Asian short-track record in the 5000 m with a time of 12:59.77?

- Ans**
- ☐ A. Yared Nuguse
 - ☐ B. Avinash Sable
 - ☐ C. Jacob Kiplimo
 - ☒ D. Gulveer Singh

Q.99 To enhance capabilities in indigenous hydrography, where will the Indian Navy launch INS 'Ikshak' in November 2025?

- Ans**
- ☒ A. Kochi
 - ☐ B. Visakhapatnam
 - ☐ C. Mumbai
 - ☐ D. Chennai

Q.100 Which of the following administrative institutions of India completed 100 years of service in 2025?

- Ans**
- ☐ A. Central Vigilance Commission (CVC)
 - ☐ B. Central Bureau of Investigation (CBI)
 - ☐ C. Election Commission of India (ECI)
 - ☒ D. Union Public Service Commission (UPSC)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 1 Chinamushidiwada
Test Date	10/02/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage 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.

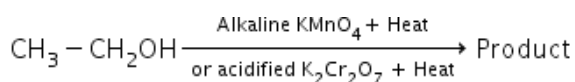
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Science

Q.1 Which of the following molecules is split apart by higher energy ultraviolet for formation of ozone?

- Ans ☒ A. Zinc
☒ B. Oxygen
☒ C. Sodium
☒ D. Iron

Q.2 Identify the product in the reaction given below.



- Ans ☒ A. Propanone
☒ B. Ethanoic acid
☒ C. Propanal
☒ D. Ethanal

Q.3 A wire of length 'L', area of cross-section 'A' and resistivity 'ρ' has a resistance 'R'. What will be the new resistance of this wire if its area of cross-section is tripled? (Keep all the other parameters the same)

- Ans ☒ A. R/3
☒ B. R
☒ C. R/9
☒ D. 3R

Q.4 Which of the following rays is NOT used to locate the image formed by a spherical mirror?

- Ans ☒ A. A ray passing through the center of curvature that reflects back along the same path
☒ B. A ray passing through the focus that reflects parallel to the principal axis
☒ C. A ray parallel to the principal axis that reflects through the focus
☒ D. A ray perpendicular to the principal axis that reflects through the focus

Q.5 Animals with high energy needs and constant body temperature, like birds and mammals, have _____ chambered hearts.

- Ans**
- ☐ A. One
 - ☐ B. Two
 - ☐ C. Three
 - ☒ D. Four

Q.6 When substituting numerical values for the distances (u, v, f) into the Mirror Formula to solve problems, which prerequisite must be strictly followed?

- Ans**
- ☐ A. All values must be converted to metres
 - ☒ B. The New Cartesian Sign Convention must be used
 - ☐ C. All measurements must be taken from the centre of curvature
 - ☐ D. The focal length (f) must always be taken as positive

Q.7 Which of the following is the SI unit of weight?

- Ans**
- ☒ A. Newton
 - ☐ B. Pascal
 - ☐ C. Kilogram
 - ☐ D. Joule

Q.8 Which of the following is always formed during a neutralization reaction between a strong acid and a strong base?

- Ans**
- ☐ A. Salt, water, and carbon dioxide
 - ☐ B. Salt and hydrogen gas
 - ☐ C. Only water
 - ☒ D. Salt and water

Q.9 Which multicellular organism shows fragmentation as a common mode of asexual reproduction?

- Ans**
- ☐ A. Jasmine
 - ☐ B. Bryophyllum
 - ☐ C. Orange
 - ☒ D. Spirogyra

Q.10 The SI unit of the universal gravitational constant G is _____.

- Ans**
- ☐ A. kg/m^3
 - ☐ B. $\text{N-Kg}^2/\text{m}^2$
 - ☒ C. $\text{N}\cdot\text{m}^2/\text{kg}^2$
 - ☐ D. N/m^2

Q.11 Which condition is essential for a dispersed seed to successfully undergo germination and develop into a seedling?

- Ans**
- ☐ A. Physical separation from the parent flower
 - ☐ B. Exposure to sunlight only
 - ☒ C. Presence of appropriate environmental conditions
 - ☐ D. Complete decay of the fruit enclosing the seed only.

Q.12 What is the main purpose of refining a metal after it has been extracted?

- Ans**
- ☐ A. To increase the melting point of the metal
 - ☐ B. To convert the metal into an alloy
 - ☐ C. To reduce the reactivity of the metal
 - ☒ D. To remove impurities from the extracted metal

Q.13 Which property distinguishes a homogeneous mixture from a heterogeneous mixture?

- Ans
- ☐ A. Chemical reaction
 - ☐ B. High density
 - ☐ C. Fixed boiling point
 - ☒ D. Uniform composition

Q.14 A porter lifts a luggage of mass 25 kg from the ground to a height of 2.0 m. What is the work done by him on the luggage? (Take $g = 10 \text{ m/s}^2$)

- Ans
- ☐ A. 50 J
 - ☐ B. 250 J
 - ☒ C. 500 J
 - ☐ D. 100 J

Q.15 For a body moving with uniform velocity, the acceleration is:

- Ans
- ☐ A. constant
 - ☐ B. decreasing
 - ☒ C. zero
 - ☐ D. increasing

Q.16 Megaphone, horn and stethoscope are the devices used to _____.

- Ans
- ☐ A. Change pitch
 - ☒ B. Produce, transmit, and amplify sound
 - ☐ C. Control amplitude of sound
 - ☐ D. Block sound

Q.17 For a resistor with constant resistance, the magnitude of heat produced is directly proportional to which of the following?

- Ans
- ☐ A. Density of the material
 - ☐ B. Current flowing through the resistor
 - ☒ C. Square of the current flowing through the resistor
 - ☐ D. Length of the resistor

Q.18 A sodium chloride crystal contains sodium and chloride ions in a 1:1 ratio. To calculate the formula unit mass of sodium chloride, which process would you use?

- Ans
- ☐ A. Divide the atomic mass of sodium by that of chlorine
 - ☐ B. Subtract the atomic mass of chlorine from that of sodium
 - ☐ C. Multiply the atomic mass of sodium and the atomic mass of chlorine
 - ☒ D. Add the atomic mass of sodium and the atomic mass of chlorine

Q.19 When brakes are applied to a moving car, the car slows down but the passengers inside tend to move forward. This happens because _____.

- Ans
- ☐ A. the brakes apply a forward force on the passengers
 - ☐ B. the air inside the car pushes the passengers forward
 - ☒ C. the passengers have inertia and continue in their state of motion
 - ☐ D. the passengers are pulled forward by gravity

Q.20 Which of the following is a micronutrient?

- Ans
- ☐ A. Phosphorous
 - ☐ B. Nitrogen
 - ☒ C. Manganese
 - ☐ D. Magnesium

Q.21 Which type of blood vessel has thick, elastic walls to withstand high pressure?

- Ans**
- ☒ A. Artery
 - ☐ B. Vein
 - ☐ C. Venule
 - ☐ D. Capillary

Q.22 Which part of the food-conducting complex tissue in plants is tubular and has perforated walls?

- Ans**
- ☒ A. Sieve tube
 - ☐ B. Companion cell
 - ☐ C. Phloem parenchyma
 - ☐ D. Sieve plate

Q.23 Which of the following statements about a proton is correct ?

- Ans**
- ☒ A. A proton is positively charged and its mass is taken as one unit
 - ☐ B. A proton is neutral in charge and has mass equal to an electron
 - ☐ C. A proton is positively charged and mass is $1/2000$ of a hydrogen atom
 - ☐ D. A proton is negatively charged and has very small mass

Q.24 Which of the following statements is true about a base in an aqueous solution?

- Ans**
- ☐ A. They have a sour taste.
 - ☐ B. They turn blue litmus red.
 - ☐ C. They react with metals to produce hydrogen gas.
 - ☒ D. They produce OH^- ions in water.

Q.25 What is the advantage of combining DNA from two different individuals in sexually reproducing animals?

- Ans**
- ☒ A. It increases genetic variation within the population.
 - ☐ B. It eliminates errors in DNA copying.
 - ☐ C. It speeds up the reproduction process.
 - ☐ D. It reduces the need for specialized reproductive organs.

Section : Mathematics

Q.26 The population of a village was 1,60,000. It increased by 15% in the first year and increased by 30% in the second year. Its population after two years will be ____.

- Ans**
- ☐ A. 2,32,000
 - ☐ B. 2,08,000
 - ☐ C. 1,84,000
 - ☒ D. 2,39,200

Q.27 What is the smallest natural number which when divided by 18, 35 and 140 leaves remainder 7 in each case?

- Ans**
- ☐ A. 1300
 - ☒ B. 1267
 - ☐ C. 1337
 - ☐ D. 1270

Q.28 What is the minimum value that must be assigned to A so that the 8-digit number 322A4828 is divisible by 4?

- Ans
- ☐ A. 4
 - ☐ B. 3
 - ☒ C. 0
 - ☐ D. 5

Q.29 Shivam spends 50% of his income. If he saves ₹42,000, then his income (in ₹) is:

- Ans
- ☐ A. 83,000
 - ☐ B. 85,000
 - ☒ C. 84,000
 - ☐ D. 21,000

Q.30 If $x = 3 + \sqrt{8}$, find the value of $\sqrt{x} - \frac{1}{\sqrt{x}}$.

- Ans
- ☐ A. $\frac{1}{\sqrt{2}}$
 - ☐ B. $\sqrt{2}$
 - ☒ C. 2
 - ☐ D. 1

Q.31 Find the median for the data 9, 6, 8, 11, 16, and 22.

- Ans
- ☐ A. 11
 - ☒ B. 10
 - ☐ C. 12
 - ☐ D. 9

Q.32 A rare book dealer sells a vintage novel to a collector for ₹1,440. The collector later auctions it at a 25% profit. What price does the final buyer pay at the auction?

- Ans
- ☐ A. ₹1,860
 - ☐ B. ₹360
 - ☐ C. ₹1,620
 - ☒ D. ₹1,800

Q.33 Amit can do a piece of work in 13 days. Gopal is 30% more efficient than Amit. The number of days taken by Gopal to do the same piece of work is:

- Ans
- ☐ A. 20
 - ☐ B. 13
 - ☒ C. 10
 - ☐ D. 15

Q.34 Simplify $(5pq + 16q)^2 - (5pq - 16q)^2$.

- Ans
- ☐ A. $160p^2q^2$
 - ☐ B. $320p^2q$
 - ☐ C. $160pq^2$
 - ☒ D. $320pq^2$

Q.35 The ratio of the sum of exterior angles to the sum of interior angles of a regular polygon of n sides is $2 : 43$. What is the measure of an interior angle of the regular polygon?

- Ans**
- ☐ A. 174°
 - ☐ B. 170°
 - ☐ C. 176°
 - ☒ D. 172°

Q.36 The average of the first 12 odd natural numbers is:

- Ans**
- ☒ A. 12
 - ☐ B. 11.5
 - ☐ C. 13
 - ☐ D. 12.5

Q.37 If the total surface area of a cylinder is 3080 m^2 and its radius is 14 m, then what is the curved surface area of the cylinder? (Take $\pi = \frac{22}{7}$)

- Ans**
- ☐ A. 2048 cm^2
 - ☒ B. 1848 cm^2
 - ☐ C. 1798 cm^2
 - ☐ D. 1978 cm^2

Q.38 Find the value of : $\cos^2 30^\circ + \cos^2 60^\circ + \cos^2 90^\circ$

- Ans**
- ☐ A. 2
 - ☐ B. 1.25
 - ☐ C. 1.5
 - ☒ D. 1

Q.39 A retailer offers the following discount schemes for buyers on an article. Which scheme will fetch the maximum selling price?

- Ans**
- ☒ A. Two successive discounts of 10%
 - ☐ B. Successive discounts of 25% and 36%
 - ☐ C. A discount of 23% followed by a discount of 15%
 - ☐ D. A discount of 12% followed by a discount of 46%

Q.40 Three workers, A, B, and C, are assigned to paint a wall. A can complete the task in 8 hours, B in 12 hours, and C in 16 hours. If they all start together but C leaves after 2 hours, how much time in total will it take to finish the task?

- Ans**
- ☐ A. 5.5 hours
 - ☒ B. 4.2 hours
 - ☐ C. 3 hours
 - ☐ D. 6 hours

Q.41 If the marked price of a fan is ₹775 and a discount of 12% is given on it, then what is the selling price of the fan?

- Ans**
- ☐ A. ₹686
 - ☒ B. ₹682
 - ☐ C. ₹680
 - ☐ D. ₹684

Q.42 The price of each article of types P, Q, and R is ₹280, ₹185, and ₹105, respectively. Yogesh buys articles of each type in the ratio 4 : 2 : 5 and spends a total of ₹8,060. How many articles of type Q did he purchase?

- Ans**
- ☐ A. 12
 - ☐ B. 6
 - ☒ C. 8
 - ☐ D. 4

Q.43 In an election between two candidates, 78% of the voters cast their votes, out of which 4% votes were declared invalid. A candidate got 13,572 votes, out of which 58% were valid votes. Find the total number of voters enrolled in that election.

- Ans**
- ☐ A. 33,540
 - ☒ B. 31,250
 - ☐ C. 30,150
 - ☐ D. 28,680

Q.44 A mother is currently twice as old as her daughter. Ten years ago, the three times as old as her daughter. What is the present age of the mother?

- Ans**
- ☐ A. 28 years
 - ☒ B. 40 years
 - ☐ C. 42 years
 - ☐ D. 48 years

Q.45 A man has to cover a distance of 228 km in 8 hours. If he covers two what should be his speed (in km/hr, correct to one decimal place) to

- Ans**
- ☒ A. 25.3
 - ☐ B. 14.1
 - ☐ C. 23.3
 - ☐ D. 22.2

Q.46 The amount on a sum of ₹6,400 at the rate of 15% per annum compound interest, compounded annually, in 2 years will be:

- Ans**
- ☐ A. ₹8,078
 - ☐ B. ₹8,413
 - ☐ C. ₹8,375
 - ☒ D. ₹8,464

Q.47 In a race, an athlete covers a distance of 450 m in 150 sec in the first lap. He covers the second lap of the same distance in 75 sec. What is the average speed (in m/sec) of the athlete?

- Ans**
- ☒ A. 4
 - ☐ B. 11
 - ☐ C. 10
 - ☐ D. 5

Q.48 If the length of a rectangle is 5 cm more than the breadth and if the perimeter of the rectangle is 40 cm, then the length and breadth of the rectangle will be:

- Ans ☒ A. 11.4 cm , 8.6 cm
☒ B. 10.5 cm , 9.5 cm
☒ C. 12.5 cm , 7.5 cm
☒ D. 12.4 cm , 7.6 cm

Q.49 Suman, Tariq and Neha invest sums in the ratio 6 : 11 : 12, respectively. If they earned a total profit of ₹79,721 at the end of the year, then what is the positive difference between the shares of Suman and Neha?

- Ans ☒ A. ₹16,493
☒ B. ₹16,492
☒ C. ₹16,491
☒ D. ₹16,494

Q.50 By decreasing the radius of a sphere by 25% whose surface area is 61 newly formed sphere. (Take $\pi = \frac{22}{7}$)

- Ans ☒ A. 506.475 cm³
☒ B. 606.375 cm³
☒ C. 556.375 cm³
☒ D. 616.475 cm³

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

42 47 53 60 68 ?

- Ans ☒ A. 79
☒ B. 77
☒ C. 78
☒ D. 76

Q.52 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

12 - 4 - 48
 15 - 3 - 45

- Ans ☒ A. 21 - 3 - 61
☒ B. 16 - 2 - 34
☒ C. 19 - 2 - 38
☒ D. 3 - 4 - 14

Q.53 Town A is to the west of Town B. Town D is to the south of Town A. Town C is to the east of Town D. If Town E is to the north of Town C, what is the direction of Town B with respect to Town D?

- Ans ☒ A. West
☒ B. South
☒ C. East
☒ D. North east

Q.54 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. GHI
 - ☒ B. DEF
 - ☒ C. TVV
 - ☒ D. JKL

Q.55 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. B sits sixth from the left end of the row. Only two people sit to the left of D. F sits to the right of A but left of D. E sits third to the left of G. How many people sit between C and G?

- Ans
- ☒ A. Three
 - ☒ B. Two
 - ☒ C. One
 - ☒ D. Four

Q.56 In a certain code language, 'READ' is coded as '4628' and 'AIMS' is coded as '5716'. What is the code for 'A' in the given code language?

- Ans
- ☒ A. 6
 - ☒ B. 5
 - ☒ C. 2
 - ☒ D. 7

Q.57 What should come in place of '?' in the given series?
78 92 108 126 146 ?

- Ans
- ☒ A. 162
 - ☒ B. 170
 - ☒ C. 168
 - ☒ D. 165

Q.58 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$405 \times 5 - 32 + 16 \div 6 = ?$$

- Ans
- ☒ A. 17
 - ☒ B. 16
 - ☒ C. 18
 - ☒ D. 19

Q.59 Refer to the following letter series and answer the question.

(Left) C H T M L K N B P G Q D V W R A X Z F Y E S (Right)

How many unique vowels are there in the above series? (Each vowel counted only once regardless of repetition.)

- Ans
- ☒ A. One
 - ☒ B. Three
 - ☒ C. Two
 - ☒ D. Four

Q.60 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 conclusion/s logically follow/s from the given statements.

Statements: All cars are buses. All buses are ships. No car is a train.

Conclusion (I) : No bus is a train.

Conclusion (II) : No ship is a train.

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

Q.61 This question is based on the five, three-digit numbers given below.

(Left) 431 853 326 139 268 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 8
 - ☒ B. 6
 - ☐ C. 9
 - ☐ D. 4

Q.62 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only six people sit to the left of F. D sits fourth from the right end of the row. Only two people sit between A and D. G is the immediate neighbour of C and F. B does not sit to the left of E.

How many people sit between E and G?

- Ans**
- ☐ A. Four
 - ☐ B. Two
 - ☐ C. None
 - ☒ D. Three

Q.63 In a certain code language,

A + B means 'A is the sister of B'

A # B means 'A is the brother of B'

A × B means 'A is the wife of B'

A @ B means 'A is the father of B'

Based on the above, how is L related to R if 'L@O#V+E×R'?

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

Q.64 If 3 is added to each odd digit and 4 is subtracted from each even digit in the number 5346188, what will be the sum of the digits which are third from the left and fourth from the right in the new number thus formed?

- Ans**
- ☒ A. 2
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 0

Q.65 Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only.
(Left) 1 6 8 1 6 2 8 1 4 3 8 2 9 7 8 7 3 9 5 5 6 (Right)

How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans** ☒ A. 3
☐ B. 4
☐ C. 2
☐ D. 1

Q.66 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. JR - NV
☐ B. LF - PJ
☐ C. TI - XM
☒ D. YA - CF

Q.67 What should come in place of '?' in the given series?

8, 33, 69, ?, 182, 263

- Ans** ☐ A. 122
☐ B. 116
☒ C. 118
☐ D. 120

Q.68 What should come in place of ? in the given series in order to make it logically complete?

YY49 WV36 TR25 PM16 ?

- Ans** ☐ A. LH9
☒ B. KG9
☐ C. KH9
☐ D. JK4

Q.69 Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.
Only two people sit to the right of A. Only two people sit between A and R. Only two people sit between E and D. D sits to the immediate left of A. S sits to the immediate right of U.

Who sits at the third position from the left end of the line?

- Ans** ☐ A. R
☐ B. E
☒ C. Q
☐ D. S

Q.70 XTBH is related to BXFL in a certain way based on the English alphabetical order. In the same way, MFKP is related to QJOT. To which of the given options is BXLR related, following the same logic?

- Ans** ☐ A. EAOU
☐ B. DZNU
☐ C. GCQW
☒ D. FBPV

Q.71 Gyalmu starts from Point A and drives 15 km towards east. He then takes a right turn, drives 16 km, turns right and drives 17 km. He then takes a right turn and drives 18 km. He takes a final right turn, drives 2 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. 4 km to the south
 - ☒ B. 2 km to the south
 - ☐ C. 1 km to the south
 - ☐ D. 3 km to the south

Q.72 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 28369475, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☒ D. 3

Q.73 VANE is related to DIVM in a certain way based on the English alphabetical order. In the same way, BGTK is related to JOBS. To which of the following options is ZERI related, following the same logic?

- Ans**
- ☐ A. HMQW
 - ☒ B. HMZQ
 - ☐ C. HMWE
 - ☐ D. HWER

Q.74 This question is based on the five, three-digit numbers given below.
(Left) 700 496 723 316 639 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.
What will be the resultant if the second digit of the highest number is subtracted from the third digit of the lowest number?

- Ans**
- ☐ A. 5
 - ☐ B. 7
 - ☐ C. 3
 - ☒ D. 4

Q.75 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GSN 14, EQL 23, COJ 32, AMH 41, ?

- Ans**
- ☒ A. YKF 50
 - ☐ B. YJD 50
 - ☐ C. YKE 49
 - ☐ D. ZKE 49

Q.76 In a row of 50 students facing North, Meha is 15th from the right end. If Priya is 8th to the left of Meha, what is Priya's position from the left end of the line?

- Ans**
- ☐ A. 29th
 - ☒ B. 28th
 - ☐ C. 27th
 - ☐ D. 26th

Q.77 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 kettles are ovens. All ovens are toasters.

Conclusion (I): Some toasters are kettles

Conclusion (II): No toaster is a kettle

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

Q.78 In a certain code language, 'bees buzz close' is coded as 'zd st cq' and 'hear bees hum' is coded as 'cq ge vm'. How is 'bees' coded in the given language?

- Ans** ☐ A. ge
☐ B. vm
☐ C. zd
☒ D. cq

Q.79 All 144 people are standing in a row facing north. Mr. Lkj is 65th from the left end while Mr. Ihg is 8th from the right end. How many people are there between Mr. Lkj and Mr. Ihg?

- Ans** ☐ A. 72
☐ B. 69
☐ C. 70
☒ D. 71

Q.80 GUSB is related to LZ XV in a certain way based on the English alphabetical order. In the same way, NHIN is related to SMNH. To which of the following is MLKO related, following the same logic?

- Ans** ☐ A. RPPJ
☐ B. SPQI
☒ C. RQPI
☐ D. SQQJ

Section : General Awareness and Current Affairs

Q.81 In August 2025, who among the following chaired the Group of Ministers (GoM) that proposed exempting Goods and Services Tax (GST) on life and health insurance policies for individuals?

- Ans** ☒ A. Samrat Choudhary
☐ B. Ajay Seth
☐ C. Nitin Gadkari
☐ D. Mallu Bhatti Vikramarka

Q.82 Inaugurated in September 2025, the Monopropellant Thruster Test Facility (MPTTF) primarily supports testing activities related to which broad technological domain?

- Ans** ☒ A. Space propulsion systems
☐ B. Satellite navigation
☐ C. Hypersonic flight
☐ D. Nuclear propulsion

Q.83 What is celebrated on 9 January 2025 to recognise the contributions of the Indian diaspora?

- Ans**
- ☐ A. Army Day
 - ☒ B. Pravasi Bharatiya Divas
 - ☐ C. National Tourism Day
 - ☐ D. World Hindi Day

Q.84 Who was voted the 2024 NBA Finals most valuable player (FMVP)?

- Ans**
- ☐ A. Immanuel Jaylen Quickley
 - ☐ B. Malachi Flynn
 - ☐ C. Jayson Tatum
 - ☒ D. Jaylen Brown

Q.85 Which state topped the medal tally at the Khelo India Para Games 2025?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Uttar Pradesh
 - ☐ C. Maharashtra
 - ☒ D. Haryana

Q.86 In July 2025, which Indian government body submitted its third Voluntary National Review (VNR) to the United Nations High-Level Political Forum (HLPF) on Sustainable Development?

- Ans**
- ☐ A. Reserve Bank of India (RBI)
 - ☐ B. Comptroller and Auditor General of India (CAG)
 - ☐ C. Finance Commission of India (FCI)
 - ☒ D. National Institution for Transforming India (NITI Aayog)

Q.87 Which category of climate finance did India argue should be scaled up *independently* during the post-COP-30 negotiations held in November 2025?

- Ans**
- ☐ A. Loss and damage finance
 - ☐ B. Green hydrogen finance
 - ☐ C. Carbon market finance
 - ☒ D. Adaptation finance

Q.88 Which pioneering molecular biologist, who co-discovered the double helix structure of DNA along with Francis H. C. Crick and was awarded the Nobel Prize in Physiology or Medicine in 1962, passed away at the age of 97 in East Northport, New York?

- Ans**
- ☐ A. Rosalind Franklin
 - ☐ B. Francis H. C. Crick
 - ☒ C. James D. Watson
 - ☐ D. Maurice Wilkins

Q.89 What is one of the primary purposes of the proposed Kushi project?

- Ans**
- ☒ A. Hydropower generation and irrigation
 - ☐ B. Military infrastructure
 - ☐ C. Industrial development
 - ☐ D. Tourism promotion and irrigation

Q.90 Which team won the NBA championship trophy for 2023-24?

- Ans**
- ☐ A. Toronto Raptors
 - ☐ B. Philadelphia Warriors
 - ☐ C. Rochester Royals
 - ☒ D. Boston Celtics

Q.91 Which organization conducted the National Achievement Survey, renamed PARAKH Rashtriya Sarvekshan in 2024, in which Kerala ranked second?

- Ans**
- ☐ A. State Council of Educational Research and Training
 - ☒ B. PARAKH under NCERT in collaboration with CBSE
 - ☐ C. Central Board of Secondary Education
 - ☐ D. National Testing Agency

Q.92 Where did Union Home Minister Amit Shah inaugurate India's largest and most modern sports complex in September 2025?

- Ans**
- ☒ A. Ahmedabad
 - ☐ B. Surat
 - ☐ C. Vadodara
 - ☐ D. Gandhinagar

Q.93 Which Vietnamese-American author released 'The Emperor of Gladness' in May 2025?

- Ans**
- ☒ A. Ocean Vuong
 - ☐ B. Colum McCann
 - ☐ C. Charlotte McConaghy
 - ☐ D. Sharon Lee

Q.94 Which of the following National Parks received rupees ₹1.5 crore in June 2025 for the establishment of two new Rhino Rehabilitation Areas?

- Ans**
- ☒ A. Dudhwa National Park
 - ☐ B. Sundarbans National Park
 - ☐ C. Jim Corbett National Park
 - ☐ D. Kaziranga National Park

Q.95 In October 2025, who among the following was appointed as the Director General of the Central Industrial Security Force?

- Ans**
- ☐ A. Anil Kumar
 - ☒ B. Praveer Ranjan
 - ☐ C. Rakesh Asthana
 - ☐ D. Kuldiep Singh

Q.96 The Van Dhan Vikas Kendra at Dugong Creek aims to make the Onge tribe self-sustainable through which of the following?

- Ans**
- ☐ A. Bamboo handicrafts
 - ☒ B. Coconut-based products
 - ☐ C. Herbal medicine production
 - ☐ D. Honey and wild forest produce

Q.97 As reported in August 2025, the GST Group of Ministers (GoM) proposed to completely exempt premiums paid towards health and life insurance policies from the GST levy. What was the GST rate levied on health insurance premiums in India prior to this proposed exemption?

- Ans**
- ☐ A. 5%
 - ☐ B. 10%
 - ☐ C. 12%
 - ☒ D. 18%

Q.98 What is the name of India's first indigenously developed CRISPR gene therapy designed to treat Sickle Cell Disease?

- Ans**
- ☐ A. GeneHeal Pro
 - ☒ B. BIRSA 101
 - ☐ C. CRISPR-Cure
 - ☐ D. SCD Cure X

Q.99 How many new national records were set during the Khelo India Para Games 2025?

- Ans**
- ☐ A. 20
 - ☐ B. 12
 - ☐ C. 15
 - ☒ D. 18

Q.100 Which organisation developed the SAKSHAM counter-Unmanned Aircraft System grid launched by the Indian Army in 2025?

- Ans**
- ☐ A. Indian Space Research Organisation Bengaluru
 - ☒ B. Bharat Electronics Limited Ghaziabad
 - ☐ C. Hindustan Aeronautics Limited Nashik
 - ☐ D. Defence Research and Development Organisation Hyderabad



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Daripally Anantha Ramulu College of Engineering & Technology
Test Date	10/02/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Which of the following statements correctly describes the relationship between mass and inertia?

- Ans
- ☒ A. Mass is inversely proportional to inertia
 - ☒ B. Mass is directly proportional to inertia
 - ☒ C. Mass is independent of inertia
 - ☒ D. Mass is directly proportional to the square of inertia

Q.2 What do 'check dams' refer to?

- Ans
- ☒ A. Dams built only for industrial water supply
 - ☒ B. Earthen or concrete structures across flooded gullies
 - ☒ C. Crescent-shaped hills for farming
 - ☒ D. Small huts near rivers

Q.3 The Chipko Movement that took place in the Garhwal Himalayas in 1974 is an example of:

- Ans
- ☒ A. mining-based forest exploitation
 - ☒ B. government-led reforestation
 - ☒ C. urban infrastructure development
 - ☒ D. community-led protection of trees

Q.4 Refer to the two statements given below and select the correct option.

Statement A: Bleaching powder is produced by the action of chlorine on dry slaked lime.

Statement B: Its chemical formula is CaOCl_2 .

- Ans
- ☒ A. Both statements A and B are correct.
 - ☒ B. Statement A is correct but B is incorrect.
 - ☒ C. Statement A is incorrect but B is correct.
 - ☒ D. Both statements A and B are incorrect.

Q.5 Which of the following statements is/are correct regarding 'changes of state of matter'?

- A) A change of state of matter is a physical change.
B) A change of state of matter is an irreversible change.

Ans ☒ A. Only B
☒ B. Both A and B
☒ C. Only A
☒ D. Neither A nor B

Q.6 Unsaturated hydrocarbons usually produce:

Ans ☒ A. white flame with sparkles
☒ B. yellow flame with black smoke
☒ C. clean blue flames
☒ D. no flame at all

Q.7 A child is born with one X chromosome from the mother and one Y chromosome from the father. Which statement accurately describes the consequence of this chromosomal combination?

Ans ☒ A. The child will develop as a male due to the presence of the Y chromosome.
☒ B. The child will not develop male characteristics without two Y chromosomes.
☒ C. The child will develop as a female because X chromosome is always dominant over Y chromosome.
☒ D. The child's sex is determined by the mother, as she provides the X chromosome.

Q.8 The principal focus of a concave mirror is the point where:

Ans ☒ A. The mirror surface intersects the principal axis
☒ B. Rays parallel to the principal axis converge after reflection
☒ C. Rays passing through the center of curvature converge
☒ D. Rays parallel to the principal axis appear to diverge after reflection

Q.9 The magnetic field due to a solenoid carrying 'I' current is 'B'. What will be the magnetic field due to this solenoid, when the current flowing through the solenoid is halved? (Keeping all the other parameters the same)

Ans ☒ A. 2B
☒ B. B/4
☒ C. B/2
☒ D. B

Q.10 What does it mean when magnetic field lines are drawn closer together in a diagram?

Ans ☒ A. The magnetic field is weaker in that area
☒ B. The magnetic field is stronger in that region
☒ C. The direction of the magnetic field has changed
☒ D. There is no magnetic field present

Q.11 Please select the correct option for the assertion-reason statement.

Assertion: The ceiling conference halls are made curved.

Reason: Curved ceilings help the sound to spread evenly in the hall.

Ans ☒ A. Assertion is true but reason is false.
☒ B. Both assertion and reason are true and reason is the correct explanation of assertion.
☒ C. Assertion is false and reason is true.
☒ D. Both assertion and reason are false.

Q.12 Which of the following statements about work is FALSE?

- Ans**
- ☒ A. Work has the same units as energy.
 - ☒ B. Work is a path-independent quantity for all forces.
 - ☒ C. Work is energy in transit.
 - ☒ D. Work can be positive, negative, or zero.

Q.13 Which process best explains how water droplets form on the outer surface of a cold glass during a hot day?

- Ans**
- ☒ A. Condensation
 - ☒ B. Evaporation
 - ☒ C. Sublimation
 - ☒ D. Freezing

Q.14 When a person touches a hot object, there is a delay in the muscle response. Which part of the nervous tissue is directly responsible for carrying the nerve impulse to the muscle to bring about a quick movement?

- Ans**
- ☒ A. Nucleus
 - ☒ B. Connective tissue
 - ☒ C. Dendrite
 - ☒ D. Axon

Q.15 Select the statement regarding the cytoplasm of a cell that is INCORRECT.

- Ans**
- ☒ A. Cytoplasm contains many cell organelles.
 - ☒ B. Cytoplasm is the fluid-filled region inside plasma membrane.
 - ☒ C. In a plant cell, cytoplasm is found between cell wall and plasma membrane.
 - ☒ D. Cytoplasm is present in both eukaryotic and prokaryotic cells.

Q.16 Which metal is placed highest in the reactivity series?

- Ans**
- ☒ A. Sodium
 - ☒ B. Copper
 - ☒ C. Gold
 - ☒ D. Silver

Q.17 A car's velocity-time graph is a straight line parallel to the x-axis at 40 km/h. What will the area enclosed between the graph and the time axis from $t = 0$ to $t = 3$ hours represent?

- Ans**
- ☒ A. Displacement of the car in 3 hours
 - ☒ B. Acceleration of the car
 - ☒ C. Final velocity of the car
 - ☒ D. Average speed of the car

Q.18 A ray passing through which of the following parts of a lens emerges undeviated?

- Ans**
- ☒ A. Between focus and centre
 - ☒ B. Centre of curvature
 - ☒ C. Principal focus
 - ☒ D. Optical centre

Q.19 Which property of carbon allows it to form a large number of compounds by bonding with itself and other elements?

- Ans**
- ☒ A. Catenation
 - ☒ B. Isomerism
 - ☒ C. Combustion
 - ☒ D. Tetravalency

Q.20 Which of the following is an advantage of sexual reproduction in plants?

- Ans**
- ☐ A. It prevents fertilisation from occurring.
 - ☐ B. It occurs only in root systems.
 - ☒ C. It helps in producing seeds with genetic diversity.
 - ☐ D. It always requires two plants of different species.

Q.21 Two planets have the same radius. Planet A has twice the mass of Planet B. What is the ratio of acceleration due to gravity on Planet A to that on Planet B?

- Ans**
- ☐ A. 1:1
 - ☒ B. 2:1
 - ☐ C. 4:1
 - ☐ D. 1:2

Q.22 According to Bohr's model of the atom, in which orbits can electrons revolve around the nucleus?

- Ans**
- ☐ A. Any arbitrary circular path
 - ☒ B. Certain fixed circular paths called discrete orbits
 - ☐ C. Spiral paths continuously losing energy
 - ☐ D. Elliptical orbits of variable energy

Q.23 What does a blue, non-luminous flame indicate when a hydrocarbon is burnt?

- Ans**
- ☒ A. Complete combustion with high temperature
 - ☐ B. Presence of unburnt carbon
 - ☐ C. Lack of oxygen
 - ☐ D. Incomplete combustion and soot formation

Q.24 What is the role of peristaltic movements in the human digestive system?

- Ans**
- ☒ A. To push food forward along the digestive tract
 - ☐ B. To produce digestive enzymes
 - ☐ C. To digest proteins in the stomach
 - ☐ D. To absorb nutrients into the blood

Q.25 Which change in a flower signals that fertilisation has occurred?

- Ans**
- ☒ A. Ovule matures into seed and ovary into fruit
 - ☐ B. Development of a pollen tube
 - ☐ C. Formation of new stamens
 - ☐ D. Petals become larger and brighter

Section : Mathematics

Q.26 The average of the squares of the first 5 natural numbers is:

- Ans**
- ☐ A. 13
 - ☐ B. 10
 - ☒ C. 11
 - ☐ D. 12

Q.27 A shopkeeper buys a toy for ₹500 and spends ₹50 on packaging. He then sells it to a customer at 10% profit. Find the selling price of the toy.

- Ans**
- ☐ A. ₹600
 - ☒ B. ₹605
 - ☐ C. ₹550
 - ☐ D. ₹650

Q.28 10 skilled persons can complete a work in 8 days and 10 semi-skilled persons take 12 days to complete the work. How many days will 4 skilled persons and 6 semi-skilled persons together take to complete the work?

- Ans**
- ☒ A. 10 days
 - ☐ B. 14 days
 - ☐ C. 8 days
 - ☐ D. 12 days

Q.29 The average of 6.5, 10.7, 20.2 and a is 18. The value of a is:

- Ans**
- ☐ A. 36.6
 - ☐ B. 35.6
 - ☐ C. 33.6
 - ☒ D. 34.6

Q.30 Let a , b , α and β be prime numbers. n is the number of ordered pairs of a and b where $2 < a < b < 50$ and $b-a=2$. Also, α and β are the least and the greatest prime numbers less than 50. What is the value of $n(\alpha+\beta)$?

- Ans**
- ☐ A. 598
 - ☐ B. 493
 - ☐ C. 354
 - ☒ D. 294

Q.31 A man walks 684 m in 19 minutes, 1078 m in 22 minutes and 2198 m in 31 minutes. His average speed (in m/min) for the whole journey is:

- Ans**
- ☐ A. 53
 - ☐ B. 50
 - ☐ C. 49
 - ☒ D. 55

Q.32 A car travelling at a speed of 42 km/hour can complete a journey in 12 hours. How long will it take to travel the same distance at 63 km/hour?

- Ans**
- ☒ A. 8 hours
 - ☐ B. 5 hours
 - ☐ C. 3 hours
 - ☐ D. 7 hours

Q.33 An item is sold for ₹660 after allowing a discount of 20% on its marked price. Find the marked price of the item.

- Ans**
- ☒ A. ₹825
 - ☐ B. ₹840
 - ☐ C. ₹835
 - ☐ D. ₹830

Q.34 The sum of the present ages of a man and his son is 50 years. After fi
the man's age will be three times that of his son. Find the present age

- Ans
- ☒ A. 12 years
 - ☒ B. 11 years
 - ☒ C. 10 years
 - ☒ D. 14 years

Q.35 The population of a village was 10500. In a year with the increase in population of
males by 10% and that of females by 15%, the population of the village becomes
11,718. What was the difference in the number of males and females in the village
initially?

- Ans
- ☒ A. 3780
 - ☒ B. 3850
 - ☒ C. 3500
 - ☒ D. 3608

Q.36 A car's price is reduced by 10% in the first year and then increased by 10% in the
second year. If the car's initial price was ₹25,000, what is its final price after both
changes?

- Ans
- ☒ A. ₹25,500
 - ☒ B. ₹24,500
 - ☒ C. ₹25,000
 - ☒ D. ₹24,750

Q.37 How many diagonals can be there in a regular polygon with 37 sides?

- Ans
- ☒ A. 629
 - ☒ B. 740
 - ☒ C. 729
 - ☒ D. 640

Q.38 Which number should replace both the question marks in the following equation?

$$\frac{?}{34} = \frac{306}{?}$$

- Ans
- ☒ A. 119
 - ☒ B. 87
 - ☒ C. 102
 - ☒ D. 112

Q.39 If 60% of 80% of $\frac{3}{5}$ of a number is 216, find the number.

- Ans
- ☒ A. 3040
 - ☒ B. 750
 - ☒ C. 2090
 - ☒ D. 1990

Q.40 Simplify:
 $(2^3)^2 \div 2^4$

- Ans
- ☒ A. 2
 - ☒ B. 4
 - ☒ C. 16
 - ☒ D. 8

Q.41 If $\tan \theta = \frac{3}{4}$ and θ is an acute angle, find the value of $\operatorname{cosec} \theta$.

- Ans
- ☐ A. $\frac{5}{2}$
 - ☐ B. $\frac{3}{5}$
 - ☐ C. $\frac{2}{5}$
 - ☒ D. $\frac{5}{3}$

Q.42 If the areas of three adjacent faces of a cuboid are x, y, z square units, respectively, then the volume of the cuboid is:

- Ans
- ☒ A. $\sqrt{xyz}$ cubic units
 - ☐ B. xyz cubic units
 - ☐ C. $\sqrt[3]{xyz}$ cubic units
 - ☐ D. $\sqrt{\frac{xyz}{2}}$ cubic units

Q.43 ₹12,405 is divided among P, Q, and R in such a way that if ₹53, ₹88, and ₹76 be deducted from their respective shares, they have money in the ratio 15 : 20 : 9. Find the difference between Q's and R's original shares.

- Ans
- ☐ A. ₹3,097
 - ☐ B. ₹3,147
 - ☐ C. ₹2,997
 - ☒ D. ₹3,059

Q.44 A shopkeeper offers the following four schemes.

- A) Two successive discounts of 28% and 28%
- B) Buy 1, get 4
- C) Discount of 35%
- D) Two successive discounts of 27% and 26%

Which scheme is best for the customer?

- Ans
- ☐ A. D
 - ☒ B. B
 - ☐ C. C
 - ☐ D. A

Q.45 The cost of 2 balls and 3 bats is ₹84. The cost of 3 balls and 1 bat is ₹111. What is the cost of 5 balls and 3 bats?

- Ans
- ☐ A. ₹126
 - ☐ B. ₹96
 - ☐ C. ₹111
 - ☒ D. ₹129

Q.46 A cylindrical water tank has a base radius of 7 m and a height of 10 m. Water is filled into the tank at a constant rate. After filling the tank completely, 5% of the water leaks out due to a crack at the bottom. The remaining water is transferred into another cylindrical tank whose base radius is 5 m. Find the height of water in the second tank.

- Ans** ☒ A. 18.62 m
☒ B. 12.68 m
☒ C. 16.82 m
☒ D. 18.26 m

Q.47 One pipe can fill a tank in 2 minutes, while another pipe can empty the completely filled tank in 4 minutes. If both the pipes are opened together when the tank is empty, how many minutes will it take to fill one-half of the tank?

- Ans** ☒ A. 4
☒ B. 2
☒ C. 5
☒ D. 3

Q.48 The amount on a sum of ₹2,800 at the rate of 5% per annum compound interest, compounded annually, in 2 years will be:

- Ans** ☒ A. ₹3,089
☒ B. ₹3,087
☒ C. ₹3,227
☒ D. ₹3,384

Q.49 Find the HCF of 148, 172, and 198.

- Ans** ☒ A. 3
☒ B. 6
☒ C. 12
☒ D. 2

Q.50 If $x + y + z = 0$, where none of x , y and z is equal to 0, then find



- Ans** ☒ A. -3
☒ B. 4
☒ C. 2
☒ D. 3

Section : General Intelligence and Reasoning

Q.51 Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 3 5 6 7 2 1 8 1 2 7 6 8 9 6 2 6 5 3 5 6 5 1 4 8 5 8 5 7 9 2 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square digit and also immediately followed by an even digit? (NOTE: 1 is also a perfect square.)

- Ans** ☒ A. Three
☒ B. One
☒ C. Two
☒ D. More than three

Q.52 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 one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans** ☒ A. ILP
☒ B. LOR
☒ C. WZD
☒ D. QTX

Q.53 What should come in place of the question mark (?) in the given series?

193 183 173 163 153 ?

- Ans** ☒ A. 144
☒ B. 132
☒ C. 133
☒ D. 143

Q.54 What should come in place of the question mark (?) in the given series?

91 92 94 98 106 ?

- Ans** ☒ A. 122
☒ B. 123
☒ C. 121
☒ D. 124

Q.55 Pragya ranked 18th from the bottom and 14th from the top in her class. How many students are there in her class?

- Ans** ☒ A. 29
☒ B. 31
☒ C. 28
☒ D. 30

Q.56 FSZI is related to AWWK in a certain way based on the English alphabetical order. In the same way, HMRD is related to CQOF. To which of the following is VMYF related, following the same logic?

- Ans** ☒ A. PPVI
☒ B. PQUI
☒ C. QQVH
☒ D. QPUH

Q.57 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 dusters are wipers. All wipers are buckets.

Conclusion (I): No bucket is a duster

Conclusion (II): Some buckets are dusters

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

Q.58 In a certain code language,
A + B means 'A is the sister of B'
A # B means 'A is the brother of B'
A × B means 'A is the wife of B'
A @ B means 'A is the father of B'
Based on the above, how is L related to R if 'L@O+V×E#R'?

- Ans**
- ☒ A. Brother's wife's brother
 - ☒ B. Brother's wife's father
 - ☒ C. Brother's father
 - ☒ D. Father's brother

Q.59 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. KQV
 - ☒ B. EKP
 - ☒ C. MSZ
 - ☒ D. QWB

Q.60 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IJG 19 HIF 15 GHE 11 FGD 7 ?

- Ans**
- ☒ A. EMV 2
 - ☒ B. EEB 2
 - ☒ C. EGB 3
 - ☒ D. EFC 3

Q.61 A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits second to the right of D. Only one person sits between B and C. F is the immediate neighbour of G and B. A sits third to the left of G.

How many people sit between E and B when counted from the left of B?

- Ans**
- ☒ A. Three
 - ☒ B. Four
 - ☒ C. Two
 - ☒ D. One

Q.62 A, B, C, D, N, O and P are sitting in a straight line, facing the north. Only five people sit between B and O. D sits to the immediate left of O. Only one person sits between D and N. C sits at some place to the left of P but at some place to the right of A.

Who sits third from the left end of the line?

- Ans**
- ☒ A. C
 - ☒ B. N
 - ☒ C. O
 - ☒ D. B

Q.63 In a certain code language, 'ships cross seas' is coded as 'qn ed jy' and 'spot the ships' is coded as 'jy is tk'. How is 'ships' coded in the given language?

- Ans**
- ☒ A. jy
 - ☒ B. tk
 - ☒ C. qn
 - ☒ D. is

Q.64 Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 3 6 @ 4 5 6 # 2 9 4 = 3 1 9 4 5 % 3 6 8 7 & 1 7 * 8 (Right)

How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

- Ans**
- ☒ A. Three
 - ☒ B. None
 - ☒ C. One
 - ☒ D. Two

Q.65 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 conclusion/s logically follow/s from the given statements.

Statements: All horses are ants. Some horses are donkeys. No donkey is a bull.

Conclusion (I) : Some ants are donkeys.

Conclusion (II) : No bull is a donkey.

- 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.66 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

49 A 7 C 8 B 9 D 5 = ?

- Ans**
- ☒ A. 73
 - ☒ B. 71
 - ☒ C. 72
 - ☒ D. 74

Q.67 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GSN 14, EQL 23, COJ 32, AMH 41, ?

- Ans**
- ☒ A. YKF 50
 - ☒ B. YKE 49
 - ☒ C. YJD 50
 - ☒ D. ZKE 49

Q.68 This question is based on the five, three-digit numbers given below.

(Left) 439 745 327 652 532 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- Ans**
- ☒ A. None
 - ☒ B. Two
 - ☒ C. Three
 - ☒ D. One

Q.69 Refer to the following letter series and answer the question.

(Left) W M T R B L A D N K Y F Q O G C E Z X U H V (Right)

How many consonants are there between the letter's "A" and "Y" in the given series?

- Ans
- ☐ A. Two
 - ☐ B. Four
 - ☐ C. Five
 - ☒ D. Three

Q.70 Which two numbers should be interchanged to make the following equation correct?

$$(45 \div 9) + (2 \times 3 \times 5) \div 6 + 4 \times 7 - 15 = 31$$

(Note: The entire number should be interchanged and not individual digits of a given number.)

- Ans
- ☒ A. 9 and 5
 - ☐ B. 4 and 2
 - ☐ C. 4 and 3
 - ☐ D. 9 and 15

Q.71 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of question mark (?) in the following equation?

$$76 A 4 C 18 B 9 D 12 B 2 C 180 A 2 D 15 B 3 C 151 = ?$$

- Ans
- ☐ A. 337
 - ☒ B. 353
 - ☐ C. 391
 - ☐ D. 319

Q.72 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 its 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.)

$$3 - 6 - 18$$
$$5 - 8 - 40$$

- Ans
- ☐ A. 4 - 5 - 23
 - ☐ B. 9 - 8 - 64
 - ☐ C. 15 - 3 - 55
 - ☒ D. 2 - 7 - 14

Q.73 In a certain code language, 'storms shake trees' is coded as 'fo ej va' and 'hide from storms' is coded as 'va ur qh'. How is 'storms' coded in the given language?

- Ans
- ☒ A. va
 - ☐ B. qh
 - ☐ C. ej
 - ☐ D. fo

Q.74 Mr. Trombitas starts from Point A and drives 26 km towards east. He then takes a right turn, drives 18 km, turns right and drives 34 km. He then takes a right turn and drives 39 km. He takes a final right turn, drives 8 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. 24 km to the west
 - ☐ B. 24 km to the east
 - ☒ C. 21 km to the south
 - ☐ D. 21 km to the north

Q.75 ZCIS is related to WAMU in a certain way based on the English alphabetical order. In the same way, TINV is related to QGRX. To which of the following is ODLK related to, following the same logic?

- Ans**
- ☒ A. LBPM
 - ☐ B. HSPN
 - ☐ C. ITPN
 - ☐ D. KROM

Q.76 Manoj starts from Point A and drives 9 km towards south. He then takes a left turn, drives 7 km, turns left and drives 11 km. He then takes a left turn and drives 10 km. He takes a final left turn, drives 2 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. 4 km to the west
 - ☒ B. 3 km to the east
 - ☐ C. 4 km to the east
 - ☐ D. 3 km to the west

Q.77 Seven people, L, M, N, O, P, Q and R are sitting in a straight row, facing north. Only three people sit to the left of M. M sits third to the left of N. Q sits fourth to the left of R. P is not an immediate neighbour of M. L sits second to the right of P. Who sits to the immediate right of M?

- Ans**
- ☐ A. Q
 - ☒ B. O
 - ☐ C. L
 - ☐ D. R

Q.78 Rajat ranked 34th from the top and 25th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 56
 - ☐ B. 57
 - ☐ C. 59
 - ☒ D. 58

Q.79 SWYM is related to JNPD in a certain way based on the English alphabetical order. In the same way, IMOC is related to ZDFT. To which of the following options is HLN B related, following the same logic?

- Ans**
- ☒ A. YCES
 - ☐ B. YCDS
 - ☐ C. YESD
 - ☐ D. YCXZ

Q.80 What should come in place of the question mark (?) in the given series?

42 48 57 69 84 ?

- Ans**
- ☐ A. 96
 - ☐ B. 105
 - ☒ C. 102
 - ☐ D. 99

Section : General Awareness and Current Affairs

Q.81 On July 3, 2025, which global body approved India's first Equine Disease-Free Compartment (EDFC), marking a major achievement in animal health?

- Ans**
- ☒ A. World Organisation for Animal Health (WOAH)
 - ☐ B. Food and Agriculture Organization (FAO)
 - ☐ C. World Health Organization (WHO)
 - ☐ D. International Veterinary Council (IVC)

Q.82 At the Paris Diamond League in June 2025, which athlete set a meet record of 48.81 s in the women's 400 m?

- Ans**
- ☒ A. Marileidy Paulino
 - ☐ B. Faith Cherotich
 - ☐ C. Mara Yamauchi
 - ☐ D. Salwa Eid Naser

Q.83 In November 2025, which Indian state approved the Polygamy Prohibition Bill, 2025?

- Ans**
- ☐ A. Tripura
 - ☒ B. Assam
 - ☐ C. Himachal Pradesh
 - ☐ D. Uttarakhand

Q.84 Who received the Dadasaheb Phalke Award at the 71st National Film Awards in 2025?

- Ans**
- ☐ A. Rajkumar
 - ☐ B. Prithviraj
 - ☐ C. Kamal
 - ☒ D. Mohanlal

Q.85 Who among the following won the player of the match in the finals of the ICC Women's Cricket World Cup 2025?

- Ans**
- ☒ A. Shafali Verma
 - ☐ B. Deepti Sharma
 - ☐ C. Marizanne Kapp
 - ☐ D. Smriti Mandhana

Q.86 Which among the following small finance banks was granted in-principle approval in August 2025 to become a Universal Bank?

- Ans**
- ☒ A. AU Small Finance Bank
 - ☐ B. Equitas Small Finance Bank
 - ☐ C. Ujjivan Small Finance Bank
 - ☐ D. Jana Small Finance Bank

Q.87 In June 2025, which Indian pair clinched the gold medal in the 10m air rifle mixed team event at the International Shooting Sport Federation (ISSF) World Cup in Munich?

- Ans**
- ☐ A. Apurvi Chandela and Divyansh Singh Panwar
 - ☐ B. Anjum Moudgil and Deepak Kumar
 - ☒ C. Arya Borse and Arjun Babuta
 - ☐ D. Mehuli Ghosh and Shahu Tushar Mane

Q.88 Who hosted the 51st G7 Summit in 2025?

- Ans**
- ☐ A. Italy
 - ☐ B. France
 - ☐ C. Japan
 - ☒ D. Canada

Q.89 Which romance novel by creator Prajakta Koli debuted in January 2025?

- Ans**
- ☐ A. Bleeding Bangles
 - ☐ B. The Subdued Sound
 - ☐ C. Theory & Practice
 - ☒ D. Too Good to Be True

Q.90 What is the name of India's first AI teacher?

- Ans**
- ☐ A. Ava
 - ☐ B. Sophia
 - ☒ C. Iris
 - ☐ D. Ada

Q.91 In August 2025, the Reserve Bank of India (RBI) appointed which individual as an ex-officio member of the Monetary Policy Committee, ahead of the October policy meeting?

- Ans**
- ☐ A. Michael Patra
 - ☒ B. Indranil Bhattacharyya
 - ☐ C. Rajiv Ranjan
 - ☐ D. Nirmala Sitharaman

Q.92 What was India's overall score in the Corruption Perceptions Index (CPI) for the year 2024 released in February 2025?

- Ans**
- ☒ A. 38
 - ☐ B. 43
 - ☐ C. 36
 - ☐ D. 41

Q.93 In which year was the Bill to amend the Disaster Management Act, 2005 passed by the Parliament?

- Ans**
- ☒ A. 2024
 - ☐ B. 2022
 - ☐ C. 2025
 - ☐ D. 2023

Q.94 As announced in November 2025, IN-SPACE and SIDBI signed an agreement to operationalise a ₹1,000 crore venture capital fund for which sector?

- Ans**
- ☐ A. Tourism enterprises
 - ☐ B. Agricultural startups
 - ☒ C. Space startups
 - ☐ D. Textile manufacturing companies

Q.95 In October 2025, which of the following regulatory authorities restricted the commercial use of the term 'ORS' in beverages?

- Ans**
- ☐ A. Directorate General of Health Services
 - ☐ B. Indian Council of Medical Research
 - ☒ C. Food Safety and Standards Authority of India
 - ☐ D. National Medical Council

Q.96 In November 2025, who among the following took oath as Chief Minister of Bihar for a record 10th time?

- Ans**
- ☐ A. Sushil Modi
 - ☐ B. Lalu Prasad Yadav
 - ☒ C. Nitish Kumar
 - ☐ D. Tejashwi Yadav

Q.97 Which city was reported among the top 10 most polluted cities in the world on December 28, 2025?

- Ans**
- ☐ A. Kolkata
 - ☒ B. Delhi
 - ☐ C. Mumbai
 - ☐ D. Chennai

Q.98 Which of the following countries hosted the 8th International Solar Alliance (ISA) Assembly in October 2025?

- Ans**
- ☒ A. India
 - ☐ B. Brazil
 - ☐ C. France
 - ☐ D. United Arab Emirates

Q.99 In the Union Budget, 2025–26, the Government of India announced a comprehensive multi-sectoral 'Rural Prosperity and Resilience' programme that aims _____.

- Ans**
- ☐ A. to address administrative problems in rural areas
 - ☐ B. to address the drop out problem in school
 - ☒ C. to address under-employment in agriculture
 - ☐ D. to develop the sports facilities in rural areas

Q.100 In World Cup 2024 Player of the Match in the Final ICC T20 match was awarded to_____.

- Ans**
- ☐ A. Tim Southee
 - ☒ B. Virat Kohli
 - ☐ C. Shai Hope
 - ☐ D. Rahmanullah Gurbaz



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०८/२०२४ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Neta Jee Subhash Chandra Bose Online Examination Center
Test Date	10/02/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage 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 : General Science

Q.1 Why does the blue colour of copper sulphate solution fade when an iron nail is dipped in it?

- Ans**
- ☒ A. Copper sulphate is converted into iron sulphate
 - ☐ B. Copper sulphate decomposes
 - ☐ C. Copper dissolves in water
 - ☐ D. Iron sulphate is colourless

Q.2 Which cell organelles in a leaf contain chlorophyll necessary for photosynthesis?

- Ans**
- ☐ A. Mitochondria
 - ☐ B. Nucleus
 - ☐ C. Vacuole
 - ☒ D. Chloroplasts

Q.3 Substitution reaction involves:

- Ans**
- ☐ A. Addition of atoms to double bonded molecules
 - ☐ B. Replacement of a carbon atom with hydrogen
 - ☐ C. Removal of atoms to form simpler molecules
 - ☒ D. One atom or group of atoms being replaced by another

Q.4 Which trophic level represents maximum concentration of pesticides by biological magnification?

- Ans**
- ☐ A. Producer
 - ☐ B. Primary Consumer
 - ☒ C. Tertiary Consumer
 - ☐ D. Secondary Consumer

Q.5 When iron filings are mixed with sulfur powder and the mixture is heated, a black substance called iron sulfide is formed. Which statement best describes the changes involved?

- Ans**
- ☒ A. A chemical change occurs as a new substance is formed.
 - ☐ B. A reversible physical change takes place.
 - ☐ C. A physical change occurs as the substances are only mixed.
 - ☐ D. Iron dissolves in sulfur forming a solution.

Q.6 Which of the following fish production methods are done in the region of Kashmir?

- Ans**
- ☒ A. Aqua Culture
 - ☐ B. Marine Fisheries
 - ☐ C. Brackish Water Fisheries
 - ☐ D. Pearl Culture

Q.7 If several rays of light parallel to the principal axis are falling on a convex lens, which of the following statements is correct for the refracted ray?

- Ans**
- ☒ A. They converge at a point on the opposite side of the lens.
 - ☐ B. They meet at the infinity.
 - ☐ C. They diverge as if coming from the principal focus.
 - ☐ D. They pass without any deviation.

Q.8 The kinetic energy of an object of mass m moving with a velocity v is 25 J. What will be its kinetic energy when its velocity is increased three times ($3v$)?

- Ans**
- ☐ A. 125 J
 - ☒ B. 225 J
 - ☐ C. 150 J
 - ☐ D. 75 J

Q.9 Fertilization in females usually occurs in which region of the reproductive system?

- Ans**
- ☒ A. Fallopian Tube
 - ☐ B. Vagina
 - ☐ C. Ovary
 - ☐ D. Uterus

Q.10 If the wavelength of light is 600 nm and its speed is 3×10^8 m/s, the frequency is approximately _____.

- Ans**
- ☒ A. 5×10^{14} Hz
 - ☐ B. 6×10^{10} Hz
 - ☐ C. 2×10^{12} Hz
 - ☐ D. 3×10^8 Hz

Q.11 If a conductor has a potential difference of 1 volt across its ends and a current of 1 ampere flows through it, what is its resistance?

- Ans**
- ☐ A. 10 ohm
 - ☐ B. 2 ohm
 - ☐ C. 0.5 ohm
 - ☒ D. 1 ohm

Q.12 Which of the following acts as an olfactory indicator in acid-base reactions?

- Ans**
- ☐ A. Methyl orange produces odour in base
 - ☐ B. Turmeric turns blue in bases
 - ☒ C. Onion extract changes smell in bases
 - ☐ D. Phenolphthalein turns pink in acids

Q.13 When a person stands stationary on the ground, the force of gravity exerted by the Earth on the person (Action) and the normal force exerted by the ground on the person (Reaction) are equal and opposite. Is this an action-reaction pair, according to Newton's Third Law?

- Ans**
- ☒ A. No, because the two forces act on the same object.
 - ☐ B. No, because the two forces act on different objects.
 - ☐ C. Yes, because the two forces are equal and opposite in magnitude.
 - ☐ D. Yes, because they balance each other, preventing motion.

Q.14 Which of the following devices works on Archimedes' principle?

- Ans**
- ☐ A. Aneroid barometer
 - ☐ B. Altimeter
 - ☐ C. Sphygmomanometer
 - ☒ D. Hydrometer

Q.15 Which of the following cell structures helps amoeba to acquire its food material?

- Ans**
- ☒ A. Plasma membrane
 - ☐ B. Nuclear membrane
 - ☐ C. Flagella
 - ☐ D. Cilia

Q.16 Under what spatial condition is the magnitude of the force acting on a current-carrying conductor placed in a uniform magnetic field observed to be the highest?

- Ans**
- ☐ A. When the current flows towards the south pole of the magnet.
 - ☒ B. When the current and field are perpendicular to each other.
 - ☐ C. When the current and field are parallel.
 - ☐ D. When the current is varied instantaneously.

Q.17 What is a necessary property of the electrolyte used during the refining of metals by electrolysis?

- Ans**
- ☐ A. It must remain completely non-reactive throughout the procedure
 - ☒ B. It must be an aqueous or molten solution of a suitable metal salt
 - ☐ C. It must efficiently conduct heat during the electrochemical process
 - ☐ D. It must be composed of both water and a layer of neutral oil

Q.18 An object is placed at 80 cm on the left of a convex lens of focal length 40 cm. Where should a screen be placed to right of the lens so that the image formed is real, inverted and same sized?

- Ans**
- ☐ A. The screen should be placed anywhere between 40 cm and 80 cm from the lens.
 - ☐ B. The screen should be placed anywhere between 20 cm and 40 cm from the lens.
 - ☐ C. The screen should be placed at 40 cm from the lens.
 - ☒ D. The screen should be placed 80 cm from the lens.

Q.19 Which of the following represents a similarity between chloroplast and Mitochondria?

- Ans**
- ☐ A. Both perform photosynthesis.
 - ☒ B. Both possess their own DNA and 70S Ribosome.
 - ☐ C. Both have chlorophyll.
 - ☐ D. Both perform respiration.

Q.20 Match the following plants with their correct modes of seed dispersal.

Column A	Column B
1. Dandelions	a. Water
2. Lotus	b. Explosion
3. Mango	c. Wind
4. Castor	d. Animal

- Ans ☒ A. 1 – b, 2 – a, 3 – d, 4 – c
☒ B. 1 – a, 2 – d, 3 – b, 4 – c
☒ C. 1 – c, 2 – a, 3 – d, 4 – b
☒ D. 1 – c, 2 – d, 3 – a, 4 – b

Q.21 Galvanisation protects iron from rusting by coating it with a thin layer of:

- Ans ☒ A. Zinc metal only
☒ B. Copper metal only
☒ C. Silver metal only
☒ D. Nickel metal only

Q.22 Which of the following factors primarily determines the size of an atom?

- Ans ☒ A. Mass of the nucleus
☒ B. Number of neutrons
☒ C. Number of protons
☒ D. Number of electrons

Q.23 Which of the following changes can be regarded as part of sexual maturation in human males?

- Ans ☒ A. Cracking of voice
☒ B. Increase in weight
☒ C. Deposition of fat in hips
☒ D. Increase in height

Q.24 In a v-t graph for uniform acceleration, which of the following is NOT correct?

- Ans ☒ A. Positive slope indicates acceleration.
☒ B. The area under the v-t graph gives displacement.
☒ C. The v-t graph is always curved.
☒ D. The slope of the v-t graph is constant.

Q.25 The molecular mass of a compound is 63 u. If it contains one hydrogen atom and three oxygen atoms, the atomic mass of the remaining element is :

- Ans ☒ A. 32 u
☒ B. 14 u
☒ C. 16 u
☒ D. 12 u

Section : Mathematics

Q.26 The amount on a sum of ₹3,300 at 10% per annum compound interest, compounded annually, in 2 years will be:

- Ans ☒ A. ₹3,826
☒ B. ₹3,583
☒ C. ₹3,993
☒ D. ₹4,939

Q.27 The H.C.F. and the L.C.M. of two numbers are 18 and 1296, respectively. If one of the numbers is 162, find the other one.

- Ans ☒ A. 126
☒ B. 144
☒ C. 108
☒ D. 180

Q.28 A shopkeeper earns a profit of 10% after allowing a discount of 20%. The cost price of the article whose marked price is ₹880 is:

- Ans ☒ A. ₹704
☒ B. ₹680
☒ C. ₹774
☒ D. ₹640

Q.29 In a regular polygon, the number of diagonals is 9. Find the difference between one interior angle and one exterior angle of the polygon.

- Ans ☒ A. 70°
☒ B. 48°
☒ C. 55°
☒ D. 60°

Q.30 The average of 6.5, 10.7, 20.2 and a is 15. The value of a is:

- Ans ☒ A. 22.6
☒ B. 24.6
☒ C. 21.6
☒ D. 23.6

Q.31 Two pipes, M and N, can fill a tank in 10 minutes and 15 minutes, respectively. Both pipes are opened together but after 5 minutes, pipe M is turned off. What is the total time required to fill the tank?

- Ans ☒ A. 5 minutes
☒ B. 10 minutes
☒ C. 7.5 minutes
☒ D. 5.5 minutes

Q.32 Rashmi buys 34 mobile stands for ₹6,800. Now, she decides to start a small business by selling these stands. How many mobile stands can she buy for ₹13,600?

- Ans ☒ A. 66
☒ B. 65
☒ C. 67
☒ D. 68

Q.33 The outer and inner diameters of a hollow cylindrical pipe are 10 cm and 6 cm, respectively. If its length is 21 cm, then its total surface area is:

- Ans ☒ A. $368\pi \text{ cm}^2$
☒ B. $154\pi \text{ cm}^2$
☒ C. $168\pi \text{ cm}^2$
☒ D. $472\pi \text{ cm}^2$

Q.34 The expenditure of Sudha is 175% more than her savings. If her expenditure decreases by 12% and savings increase by 40.5%, then by what percentage does her income increase?

- Ans** ☒ A. 2%
☒ B. 6%
☒ C. 4%
☒ D. 7%

Q.35 Bina sells an article to Shyam at a 19% loss for ₹4,860. Shyam then sells it to Hari for the price Bina would have needed to sell to make a 17% profit. What is Shyam's profit?

- Ans** ☒ A. ₹1,260
☒ B. ₹1,740
☒ C. ₹2,160
☒ D. ₹2,520

Q.36 The mode and median of a data are 46.2 and 40, respectively. What is the mean of the data? (Use empirical formula.)

- Ans** ☒ A. 38.8
☒ B. 36.9
☒ C. 45.2
☒ D. 47.6

Q.37 Simplify: $\frac{(p-q)^3 + (q-r)^3 + (r-p)^3}{(p-q)(q-r)(r-p)}$

- Ans** ☒ A. (p - q)
☒ B. 1
☒ C. pqr
☒ D. 3

Q.38 Rahul's monthly expenditure is 75% of his monthly income. If the monthly savings are ₹10,000, calculate his monthly income.

- Ans** ☒ A. ₹40,000
☒ B. ₹30,000
☒ C. ₹45,000
☒ D. ₹50,000

Q.39 P and Q together can fill a cistern with water in 3 hours. If P alone can fill the cistern with water in 12 hours, then in how many hours will Q alone fill one-fourth of the same cistern with water?

- Ans** ☒ A. 1
☒ B. 3
☒ C. 4
☒ D. 2

Q.40 In a 100 - m race, A covers the distance in 36 seconds and B covers t

- Ans** ☒ A. 17 metres
☒ B. 23 metres
☒ C. 22 metres
☒ D. 20 metres

Q.41 A farmer wants to prepare 20 kg of fertiliser mixture containing 42% nitrogen by mixing two types of fertilisers, A and B. Fertiliser A contains 30% nitrogen, and fertiliser B contains 50% nitrogen. How many kilograms of each fertiliser should he mix?

- Ans**
- ☐ A. 12 kg of A, 8 kg of B
 - ☒ B. 8 kg of A, 12 kg of B
 - ☐ C. 6 kg of A, 14 kg of B
 - ☐ D. 10 kg of A, 10 kg of B

Q.42 If $2^{3y+x} = 16$ and $2^{2y-x} = 64$, then the value of y is:

- Ans**
- ☐ A. -2
 - ☐ B. 1
 - ☐ C. 3
 - ☒ D. 2

Q.43 If $\sec^2 A + \operatorname{cosec}^2 A = 13$, and A is an acute angle, then find the value of $\tan^2 A + \cot^2 A$.

- Ans**
- ☐ A. 12
 - ☐ B. 15
 - ☒ C. 11
 - ☐ D. 9

Q.44 Successive discounts of 2% and 21% are equivalent to what single discount?

- Ans**
- ☒ A. 22.58%
 - ☐ B. 26.37%
 - ☐ C. 24.52%
 - ☐ D. 23.24%

Q.45 A and B started moving at the same time towards each other from points X and Y, respectively. After meeting on the way, A and B took 90.9 hours and p hours, respectively, to reach Y and X, respectively. If the speed of B is 50% more than that of A, then what is the value of p ?

- Ans**
- ☐ A. 39.7
 - ☐ B. 38.9
 - ☐ C. 42.4
 - ☒ D. 40.4

Q.46 From the salary of an officer, 10% is deducted as house rent. Of the remaining amount, he spends 20% on conveyance, 20% of the rest on income tax, and 10% of the balance on clothes. He is left with ₹23,328. What is his total salary?

- Ans**
- ☐ A. ₹35,000
 - ☐ B. ₹40,000
 - ☐ C. ₹30,000
 - ☒ D. ₹45,000

Q.47 ₹5,398 is divided among X, Y, and Z in such a way that if ₹16, ₹15, and ₹75 be deducted from their respective shares, they have money in the ratio 2 : 21 : 4. Find the difference between the Y's and Z's original shares.

- Ans**
- ☐ A. ₹3,232
 - ☐ B. ₹3,282
 - ☒ C. ₹3,272
 - ☐ D. ₹3,182

Q.48 Five years ago, the ratio of Priya's age to Meera's age was 3 : 2. The difference of their present ages is 10 years. What is Meera's current age?

- Ans**
- ☐ A. 29 years
 - ☒ B. 25 years
 - ☐ C. 35 years
 - ☐ D. 20 years

Q.49 If the surface area of a sphere is 5544 cm^2 , then find its diameter (in cm). (Use $\pi = 22/7$)

- Ans**
- ☒ A. 42
 - ☐ B. 21
 - ☐ C. 36
 - ☐ D. 40

Q.50 If ₹2,239 is divided among 269 children such that each girl and each boy get ₹7 and ₹9, respectively, then how many boys are there?

- Ans**
- ☐ A. 218
 - ☐ B. 138
 - ☐ C. 238
 - ☒ D. 178

Section : General Intelligence and Reasoning

Q.51 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 one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans**
- ☐ A. DHK
 - ☐ B. YCF
 - ☐ C. VZC
 - ☒ D. HMP

Q.52 J, K, L, M, N and O are sitting around a circular table facing the centre. N is an immediate neighbour of both L and M. J is sitting to the immediate left of L. K is sitting third to the right of N.
How many people sit between J and M when counted from the left of M?

- Ans**
- ☐ A. One
 - ☒ B. Two
 - ☐ C. Three
 - ☐ D. Four

Q.53 If '+' means 'subtraction', '-' means 'multiplication', '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$19 + 32 \times 4 \div 9 - 3 = ?$$

- Ans**
- ☒ A. 38
 - ☐ B. 37
 - ☐ C. 32
 - ☐ D. 35

Q.54 Seven people, S, Q, U, A, R, E and D are sitting in a row, facing north.
Only two people sit between U and E. Only Q sits to the right of D. Only one person sits between E and D. S sits at some place to the right of A but at some place to the left of R.
How many people sit between R and A?

- Ans** ☒ A. Three
☒ B. Two
☒ C. One
☒ D. Four

Q.55 What should come in place of '?' in the given series?
155 163 179 187 203 ?

- Ans** ☒ A. 209
☒ B. 211
☒ C. 213
☒ D. 215

Q.56 All 133 people are standing in a row facing north. Mr. Lkj is 24th from the right end while Mr. Ihg is 33rd from the left end. How many people are there between Mr. Lkj and Mr. Ihg?

- Ans** ☒ A. 78
☒ B. 76
☒ C. 75
☒ D. 77

Q.57 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: Some cookies are juices. All juices are breads.

Conclusion (I): Some breads are cookies

Conclusion (II): No cookie is a bread

- 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.58 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) 9 8 7 6 5 4 3 2 1 3 9 8 7 6 (Right)
How many such even numbers are there, each of which is immediately preceded by an odd number and immediately followed by an odd number?

- Ans** ☒ A. One
☒ B. More than three
☒ C. Three
☒ D. Two

Q.59 In a certain code language, 'LEMA' is coded as '5681' and 'ALES' is coded as '6513'.
What is the code for 'S' in the given code language?

- Ans** ☒ A. 6
☒ B. 1
☒ C. 3
☒ D. 5

Q.60 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BKQ:FOU

DJM:HNQ

- Ans**
- ☒ A. VTO:FRS
 - ☒ B. TYP:VHU
 - ☒ C. ELO:IPS
 - ☒ D. BST:HIS

Q.61 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 2 5 6 & 8 & < \$ < 7 4 ^ \$ 6 5 9 2 & 7 2 % (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

- Ans**
- ☒ A. Three
 - ☒ B. None
 - ☒ C. One
 - ☒ D. Two

Q.62 Deepu starts from point K and drives 12 km towards the East. He then takes a left turn, drives 6 km, turns right, and drives 3 km. He then takes a right turn and drives 6 km. Finally, he takes a right turn, drives 5 km, and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point K again? (All turns are 90 degrees turns only unless specified).

- Ans**
- ☒ A. 10 km towards the North
 - ☒ B. 5 km towards the West
 - ☒ C. 10 km towards the West
 - ☒ D. 8 km towards the South

Q.63 What should come in place of the question mark (?) in the given series?

32 42 57 77 102 ?

- Ans**
- ☒ A. 133
 - ☒ B. 134
 - ☒ C. 132
 - ☒ D. 131

Q.64 DUBW is related to PGNI in a certain way based on the English alphabetical order. In the same way, ZQXS is related to LCJE. To which of the following options is JAHC related to, following the same logic?

- Ans**
- ☒ A. VMTO
 - ☒ B. VTIO
 - ☒ C. VBHY
 - ☒ D. VMOT

Q.65 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DHK31 EIL40 FJM49 GKN58 ?

- Ans**
- ☒ A. HLO67
 - ☒ B. HLP67
 - ☒ C. HLO68
 - ☒ D. HLP68

Q.66 In a certain code language,
A + B means 'A is the sister of B'
A # B means 'A is the brother of B'
A × B means 'A is the wife of B'
A @ B means 'A is the father of B'
Based on the above, how is L related to R if 'L × O # V + E @ R'?

- Ans**
- ☐ A. Daughter
 - ☐ B. Father's brother's daughter
 - ☒ C. Father's brother's wife
 - ☐ D. Wife

Q.67 Refer to the following letter series and answer the question.

(Left) C X Z A L P W T M D B R O J K F G V Q H E N (Right)

What is the position of letter "L" in the series from the left end?

- Ans**
- ☒ A. Fifth
 - ☐ B. Sixth
 - ☐ C. Seventh
 - ☐ D. Fourth

Q.68 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 one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans**
- ☐ A. KPS
 - ☐ B. GLO
 - ☐ C. NSV
 - ☒ D. VZC

Q.69 Preeti ranked 9th from the bottom and 8th from the top in her class. How many students are there in her class?

- Ans**
- ☒ A. 16
 - ☐ B. 14
 - ☐ C. 13
 - ☐ D. 15

Q.70 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XUE 19, BYI 27, FCM 35, JGQ 43, ?

- Ans**
- ☒ A. NKU 51
 - ☐ B. MKV 51
 - ☐ C. NLU 52
 - ☐ D. LJU 52

Q.71 In a certain code language, 'MULE' is coded as '7536' and 'LUKE' is coded as '6723'. What is the code for 'K' in that language?

- Ans**
- ☐ A. 3
 - ☐ B. 7
 - ☒ C. 2
 - ☐ D. 6

Q.72 This question is based on the five, three-digit numbers given below.

(Left) 475 326 157 761 829 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

Ans ☒ A. None

☒ B. One

☒ C. Three

☒ D. Two

Q.73 If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 5341256, what will be difference between the highest and lowest digits in the number thus formed?

Ans ☒ A. 4

☒ B. 8

☒ C. 0

☒ D. 2

Q.74 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(188, 47, 45)

(224, 56, 54)

Ans ☒ A. (284, 71, 69)

☒ B. (248, 68, 66)

☒ C. (152, 38, 32)

☒ D. (332, 83, 77)

Q.75 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 grapes are oranges.

All oranges are apples.

Conclusions:

(I) Some grapes are apples.

(II) All apples are oranges.

Ans ☒ A. Both conclusions (I) and (II) follow

☒ B. Neither conclusion (I) nor (II) follows

☒ C. Only conclusion (II) follows

☒ D. Only conclusion (I) follows

Q.76 IKLO is related to XZAD in a certain way based on the English alphabetical order. In the same way, QSTW is related to FHIL. To which of the following options is JLMP related to, following the same logic?

Ans ☒ A. YABE

☒ B. YRTE

☒ C. YEAB

☒ D. YBDE

Q.77 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$170 \div 2 - 150 \div 2 + 254 \times 2 - 156 \times 3 - 10 = ?$$

- Ans** ☒ A. 575
☐ B. 421
☐ C. 601
☐ D. 497

Q.78 Fawad starts from Point A and drives 13 km towards the North. He then takes a right turn, drives 11 km, turns right and drives 14 km. He then takes a right turn and drives 12 km. He takes a final right 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 degrees turns only unless specified)

- Ans** ☒ A. 1 km to the east
☐ B. 3 km to the east
☐ C. 4 km to the east
☐ D. 2 km to the east

Q.79 What should come in place of the question mark (?) in the given series?

57 68 79 90 101 ?

- Ans** ☐ A. 117
☒ B. 112
☐ C. 116
☐ D. 111

Q.80 Six people, A, B, C, D, E and F, are sitting in a row, facing north. Only two people sit to the left of F. Only one person sits between D and E. F sits to the immediate left of D. A sits to the immediate right of C. B sits third to the right of A. Who sits at the extreme left end of the line?

- Ans** ☒ A. C
☐ B. E
☐ C. D
☐ D. A

Section : General Awareness and Current Affairs

Q.81 Which of the following was the full-fledged annual Summit of the Shanghai Cooperation Organization (SCO) held in 2025, where multilateral cooperation, economic resilience, and Global-South development priorities were strongly emphasized?

- Ans** ☐ A. Astana SCO Summit
☐ B. New Delhi SCO Summit
☐ C. Samarkand SCO Summit
☒ D. Tianjin SCO Summit

Q.82 At the 2025 Laureus World Sports Awards in Madrid, who won the Laureus World Sportswoman of the Year in the football category?

- Ans** A. Faith Kipyegon
B. Simone Biles
C. Aitana Bonmatí
D. Shelly-Ann Fraser Pryce

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.83 According to the 2024 report by the United Nations Inter-agency Group for Child Mortality Estimation (UN IGME), India achieved a major milestone by reducing the percentage of zero-dose children from 0.11% in 2023 to what percentage in 2024?

- Ans
- ☐ A. 0.10%
 - ☐ B. 0.03%
 - ☐ C. 0.09%
 - ☒ D. 0.06%

Q.84 In February 2025, the Insurance Regulatory and Development Authority of India (IRDAI) issued a circular enabling customers to block premium payment via which method for life and health policies?

- Ans
- ☐ A. Cheque stop
 - ☒ B. UPI one-time mandate
 - ☐ C. ECS recurring mandate
 - ☐ D. Standing Debit Order

Q.85 Which Indian documentary received the World Cinema Documentary Special Jury Award for Craft at Sundance 2025?

- Ans
- ☐ A. Hope by K Sathyanarayan
 - ☒ B. Nocturnes by Anirban Dutta and Anupama Srinivasan
 - ☐ C. Echo by Meena Longjam
 - ☐ D. Beyond Blast by Saikhom Ratan

Q.86 Who inaugurated the Esports Conclave 2025 in New Delhi?

- Ans
- ☒ A. Raksha Nikhil Khadse
 - ☐ B. Narendra Modi
 - ☐ C. Anurag Thakur
 - ☐ D. Mansukh Mandaviya

Q.87 The Union Government launched a new climate resilience program in January 2025 to tackle extreme weather events. What is the name of this initiative?

- Ans
- ☐ A. Green India Mission
 - ☐ B. Climate Resilience Initiative
 - ☒ C. Mission Mausam
 - ☐ D. National Climate Adaptation Plan

Q.88 Which among the following banks appointed Rajiv Anand as Chief Executive Officer (CEO) for a three-year term starting August 25, 2025?

- Ans
- ☐ A. Kotak Mahindra Bank
 - ☐ B. Axis Bank
 - ☒ C. IndusInd Bank
 - ☐ D. IDFC First Bank

Q.89 In March 2025, which national park became India's 58th tiger reserve?

- Ans
- ☐ A. Ratapani NP
 - ☐ B. Satpura NP
 - ☒ C. Madhav NP
 - ☐ D. Kanha NP

Q.90 What was the purpose of the Banking Laws (Amendment) Act, 2025?

- Ans**
- ☐ A. Limit and regulate foreign bank investments
 - ☒ B. Ensure enhanced protection for depositors and investors
 - ☐ C. Reduce and restructure banking operations
 - ☐ D. Undertake privatization and modernization of public sector banks

Q.91 As per Copernicus Climate Change Service (C3S), January 2025, which Indian city experienced record-breaking air pollution levels in January 2025 due to temperature inversion and climate change effects?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Bengaluru
 - ☒ C. New Delhi
 - ☐ D. Chennai

Q.92 The Immigration and Foreigners Act, 2025 introduces which major reform for foreign visitors?

- Ans**
- ☐ A. Waiver of travel documents for select nations
 - ☐ B. Exemptions from exit checks
 - ☐ C. Automatic 10-year visas
 - ☒ D. Real-time monitoring and scrutiny

Q.93 According to the World Bank's Gini Index for 2025, which country has been ranked as the fourth most equal in terms of income distribution?

- Ans**
- ☐ A. Canada
 - ☐ B. Sweden
 - ☒ C. India
 - ☐ D. Japan

Q.94 In October 2024, which two countries reached a historic political agreement on the return of Mauritian sovereignty over the Chagos Archipelago, including Diego Garcia?

- Ans**
- ☐ A. The Republic of Mauritius and France
 - ☒ B. The Republic of Mauritius and the United Kingdom
 - ☐ C. Germany and the Republic of Mauritius
 - ☐ D. The United States and the Republic of Mauritius

Q.95 In December 2025, which institution launched India's first incubator-linked deep technology venture capital fund named "Y-Point Venture Capital Fund"?

- Ans**
- ☐ A. Indian Institute of Technology Delhi
 - ☐ B. Indian Institute of Technology Kanpur
 - ☒ C. Indian Institute of Technology Bombay
 - ☐ D. Indian Institute of Technology Madras

Q.96 Which country won the FIH Hockey Pro League 2024-25 (Men) held at the iconic Kalinga Hockey Stadium in Bhubaneswar ?

- Ans**
- A. India
 - B. Pakistan
 - C. Belgium
 - D. Germany

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.97 On 26 March 2025, the DRDO and the Indian Navy successfully conducted a flight-test of which missile from the Integrated Test Range (ITR), Chandipur?

- Ans**
- ☐ A. SAMAR-1
 - ☒ B. VLSRSAM
 - ☐ C. Akash-NG
 - ☐ D. Astra Mk-2

Q.98 At the 15th South Asian Bodybuilding and Physique Sports Championships 2025 held in Bhutan, which Indian athlete won the gold medal in the Women's Model Physique up to 155 cm event?

- Ans**
- ☐ A. Bhawna Tokekar
 - ☐ B. Anju Bobby George
 - ☐ C. Akanksha Chaudhary
 - ☒ D. Yajik Hillang

Q.99 Who was honored with the Satyajit Ray Memorial Award at the 21st Third Eye Asian Film Festival in 2025?

- Ans**
- ☐ A. Shah Rukh Khan
 - ☐ B. Javed Ali Khan
 - ☐ C. Amitabh Bachan
 - ☒ D. Rafique Baghdadi

Q.100 What was the main objective of the Tri Services Academia Technology Symposium (T-SATS) held in 2025?

- Ans**
- ☒ A. Aligning academic R&D with future defence technology needs
 - ☐ B. Expanding private sector leadership in defence innovation
 - ☐ C. Strengthening academic interface with defence institutions
 - ☐ D. Establishing a tri-service technology command