



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



RRB GROUP D 2025

Level-1 | CEN 09/2025

ENGLISH ANSWER KEY

Official Answer Key with Solutions

All 48 Shifts · 03-08-2026 to 25-08-2026

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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Blackbook

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Compiled 07 September 2026

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RRB Group D 2025 (English) · 48 shifts

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ENGLISH VOCABULARY

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CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Ward No 1
Test Date	03/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What does a position-time graph with a straight line parallel to the time axis represent in the context of an object's motion?

- Ans**
- ☐ A. The object accelerates over time
 - ☐ B. The object moves with varying speed
 - ☒ C. The object is at rest, covering no distance over time
 - ☐ D. The object moves with uniform speed over time

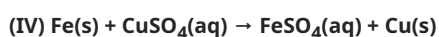
Q.2 A mineralogist discovers a new metallic ore in the earth's crust. If the ore is primarily a sulphide, the metal is most likely to belong to the:

- Ans**
- ☐ A. Bottom of the activity series
 - ☐ B. Top of the activity series
 - ☐ C. Noble gases, which do not form ores
 - ☒ D. Middle of the activity series

Q.3 Since parenchyma tissue mainly stores food and other materials, its cells require enough internal space. Therefore, parenchyma cells are generally _____.

- Ans**
- ☐ A. Hardened with minerals
 - ☐ B. Tightly packed without spaces
 - ☐ C. Dead and hollow
 - ☒ D. Loosely packed with intercellular spaces

Q.4 Consider the following reactions:



Which of the above reactions correctly represent decomposition reactions?

- Ans**
- ☐ A. Only III and IV reactions
 - ☐ B. Only I and II reactions
 - ☒ C. Only I, II and III reactions
 - ☐ D. Only II and III reactions

Q.5 Why are alloys preferred for the heating elements in devices like toasters?

- Ans
- ☐ A. They have a low melting point
 - ☐ B. They are insulators
 - ☐ C. They are good electrical conductors with low resistivity
 - ☒ D. They have higher resistivity and do not oxidise readily at high temperatures

Q.6 In a neuron, what are the short, branched fibres that receive impulses from other neurons called?

- Ans
- ☐ A. Axons
 - ☐ B. Cartilage discs
 - ☒ C. Dendrites
 - ☐ D. Muscle fibres

Q.7 The kinetic energy of a body increases from 40 J to 140 J. What is the net work done on the body?

- Ans
- ☐ A. 150 J
 - ☐ B. 50 J
 - ☐ C. 200 J
 - ☒ D. 100 J

Q.8 A water purification system uses electromagnetic energy to kill bacteria. Which region of the spectrum is being utilised for this function?

- Ans
- ☐ A. Infrared part of the spectrum
 - ☐ B. Visible part of the spectrum
 - ☒ C. Ultraviolet part of the spectrum
 - ☐ D. Gamma part of the spectrum

Q.9 Why does the sky appear blue to human observers during daytime?

- Ans
- ☐ A. All wavelengths are scattered equally in the atmosphere
 - ☐ B. Blue light is absorbed and re-emitted by atmospheric particles
 - ☐ C. Red light is scattered more than blue light due to its longer wavelength
 - ☒ D. Blue light is scattered more than red light due to its shorter wavelength

Q.10 Which of the following best describes kinetic energy?

- Ans
- ☐ A. The energy related to temperature changes
 - ☐ B. The energy an object stores in its position
 - ☒ C. The energy an object has due to its motion
 - ☐ D. The energy contained in chemical bonds

Q.11 A solution contains 20 grams of salt dissolved in 80 grams of water. What is the concentration of the solution in terms of mass by mass percentage?

- Ans
- ☐ A. 45%
 - ☐ B. 25%
 - ☐ C. 30%
 - ☒ D. 20%

Q.12 Which statement correctly describes the solubility of ethanol?

- Ans
- ☐ A. Soluble only in acids
 - ☐ B. Insoluble in water
 - ☒ C. Completely miscible with water
 - ☐ D. Slightly soluble in water

Q.13 Which property of ethanol makes it suitable for use as a solvent in medicines?

- Ans**
- ☒ A. Solubility
 - ☐ B. It is acidic in nature
 - ☐ C. It is highly flammable
 - ☐ D. It forms esters

Q.14 Why do non-biodegradable substances show biological magnification?

- Ans**
- ☐ A. They are broken down quickly by organisms
 - ☐ B. They are not taken up by organisms
 - ☐ C. They provide energy to organisms
 - ☒ D. They persist in organisms

Q.15 The process in plants that involves the breakdown of glucose to release energy is called:

- Ans**
- ☐ A. Transpiration
 - ☐ B. Excretion
 - ☐ C. Photosynthesis
 - ☒ D. Respiration

Q.16 The speed of a light ray changes from 3×10^8 m/s in air to 2×10^8 m/s in a transparent solid. What is the refractive index of the solid with respect to air? (Take the refractive index of air as 1.)

- Ans**
- ☐ A. 1.2
 - ☒ B. 1.5
 - ☐ C. 1.4
 - ☐ D. 1.7

Q.17 When a net force acts on a body, what does Newton's second law predict will happen to the body?

- Ans**
- ☐ A. The body will move at constant speed
 - ☐ B. The body will remain stationary
 - ☐ C. The body will always move in the opposite direction
 - ☒ D. The body will accelerate in the direction of the force

Q.18 A botanist observes a dormant seed with no visible growth or movement. How can the botanist determine whether the seed is alive?

- Ans**
- ☐ A. Wait only for visible growth before deciding
 - ☒ B. Monitor its internal metabolic activity
 - ☐ C. Test whether the seed can move independently
 - ☐ D. Conclude it is not alive if it shows no movement

Q.19 What is the key reason for ultrasound to be used in cleaning delicate electronic components?

- Ans**
- ☐ A. It chemically alters the material for cleaning
 - ☐ B. It melts the components for better cleaning
 - ☐ C. It scratches the surface to remove debris
 - ☒ D. It removes dirt without causing physical damage

Q.20 Which type of organisms is always found at the beginning of a food chain?

- Ans**
- ☐ A. Herbivore
 - ☒ B. Producer
 - ☐ C. Carnivore
 - ☐ D. Decomposer

Q.21 If a bulb is rated at 60 W and operates at 120 V, what is the current flowing through the bulb?

- Ans**
- ☐ A. 0.25 A
 - ☐ B. 1.2 A
 - ☐ C. 2.0 A
 - ☒ D. 0.5 A

Q.22 Calculate the formula unit masses of ZnO , Na_2O , if given atomic masses of $\text{Zn} = 65 \text{ u}$, $\text{Na} = 23 \text{ u}$, and $\text{O} = 16 \text{ u}$.

- Ans**
- ☒ A. $\text{ZnO} = 81 \text{ u}$ and $\text{Na}_2\text{O} = 62 \text{ u}$.
 - ☐ B. $\text{ZnO} = 48 \text{ u}$ and $\text{Na}_2\text{O} = 62 \text{ u}$.
 - ☐ C. $\text{ZnO} = 18 \text{ u}$ and $\text{Na}_2\text{O} = 62 \text{ u}$.
 - ☐ D. $\text{ZnO} = 81 \text{ u}$ and $\text{Na}_2\text{O} = 39 \text{ u}$.

Q.23 A coastal region experiences algal blooms and coral bleaching after unusually high global temperatures. Which interaction between Earth's spheres best explains this effect?

- Ans**
- ☐ A. Reduced sunlight increases rate of photosynthesis in oceans
 - ☐ B. Land plant growth completely replaces marine ecosystem loss
 - ☒ C. Ocean warming lowers CO_2 absorption and stresses marine life
 - ☐ D. Increased river flow improves the overall coral reef growth

Q.24 When hydrochloric acid reacts with sodium hydroxide, what is formed as a result of the neutralization reaction?

- Ans**
- ☐ A. Gas only
 - ☐ B. Base only
 - ☐ C. Acid only
 - ☒ D. Salt and water

Q.25 Which property of isotopes remains unchanged?

- Ans**
- ☐ A. Nuclear stability
 - ☐ B. Physical properties
 - ☒ C. Chemical properties
 - ☐ D. Atomic mass

Section : Mathematics

Q.26 Find the fourth proportional to 8.6, 10.75, and 6.

- Ans**
- ☐ A. 7
 - ☐ B. 7.25
 - ☒ C. 7.5
 - ☐ D. 7.2

Q.27 A family earns ₹50,000 per month and spends ₹35,000. What percentage of the income is saved?

- Ans**
- ☐ A. 25%
 - ☒ B. 30%
 - ☐ C. 20%
 - ☐ D. 15%

Q.28 In a moderately skewed data distribution, the ratio of the arithmetic mean to the median is 4 : 5. If the sum of the mean and the median is 90, what is the mode of this distribution?

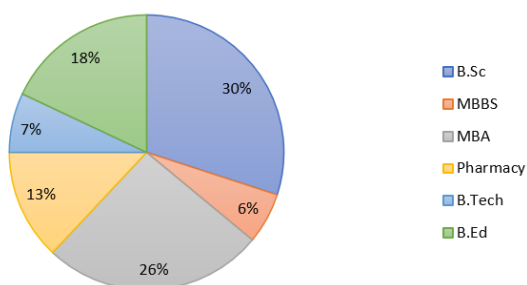
- Ans**
- ☒ A. 65
 - ☒ B. 75
 - ☒ C. 70
 - ☒ D. 60

Q.29 Find the ratio of compound interest on ₹10,000 for 1 year at the rate 8% compounded half-yearly and yearly.

- Ans**
- ☒ A. 53 : 45
 - ☒ B. 51 : 50
 - ☒ C. 61 : 52
 - ☒ D. 62 : 49

Q.30 In the following pie chart, the percentage distribution of students in different courses are shown. What is the total number of students in B.Ed., Pharmacy and MBBS together?

Total number of students = 6800



- Ans**
- ☒ A. 2645
 - ☒ B. 2145
 - ☒ C. 2516
 - ☒ D. 2428

Q.31 A cube of edge 20 cm is immersed completely in a rectangular vessel containing water. The measurements of the vessel are 25 cm × 25 cm. Find the rise (in cm) of water level.

- Ans**
- ☒ A. 12.8
 - ☒ B. 20
 - ☒ C. 16.5
 - ☒ D. 8

Q.32 For a circle of diameter 16 cm, the area of a sector is $\frac{16\pi}{3}$ cm². The

- Ans**
- ☒ A. 15°
 - ☒ B. 45°
 - ☒ C. 60°
 - ☒ D. 30°

Q.33 A machine is purchased for ₹18,200 and its value decreases by 10% every year. If the depreciation is compounded annually, what will be the value of the machine after 2 years?

- Ans**
- ☒ A. ₹15,200
 - ☒ B. ₹13,424
 - ☒ C. ₹16,480
 - ☒ D. ₹14,742

Q.34 A sum of ₹10,000 is invested for 2 years at 20% per annum interest, compounded half-yearly. What is the compound interest earned at the end of 2 years?
 (use $(1.10)^4 = 1.4641$)

- Ans**
- ☒ A. ₹4,440
 - ☒ B. ₹4,461
 - ☒ C. ₹4,641
 - ☒ D. ₹4,660

Q.35 A company's revenue increases by 40% in one quarter and then decreases by 20% in the next. If the initial revenue was ₹1,00,000, what is the final revenue?

- Ans**
- ☒ A. ₹1,08,000
 - ☒ B. ₹1,14,000
 - ☒ C. ₹1,20,000
 - ☒ D. ₹1,12,000

Q.36 A pipe can fill a cistern in 8 hours. Due to a leak at the bottom, it is filled in 10 hours. In how many hours can the leak alone empty the full cistern?

- Ans**
- ☒ A. 35 hours
 - ☒ B. 40 hours
 - ☒ C. 45 hours
 - ☒ D. 30 hours

Q.37 Kaushal travelled for 16 hours 20 minutes at the speed of 90 km/h. At what speed (in km/h) should he travel to cover the same distance in 14 hours?

- Ans**
- ☒ A. 103
 - ☒ B. 105
 - ☒ C. 104
 - ☒ D. 102

Q.38 Simplify: $\frac{\frac{7}{2} \div \frac{3}{2} \times \frac{5}{2}}{8 \div \frac{5}{2} \text{ of } \frac{1}{2}} \div \frac{25}{8}$.

- Ans**
- ☒ A. $\frac{7}{24}$
 - ☒ B. $\frac{11}{24}$
 - ☒ C. $\frac{13}{24}$
 - ☒ D. $\frac{5}{24}$

Q.39 Find the median from the following data.

Class interval	f
20-40	4
40-60	6
60-80	10
80-100	12
100-120	8

- Ans ☐ A. 75
☒ B. 80
☐ C. 78
☐ D. 82

Q.40 Simplify: $(\sec A + \tan A) \times (1 - \sin A) \times \sec A$

- Ans ☐ A. 2
☒ B. 1
☐ C. 0.5
☐ D. 0

Q.41 A cylinder of height 72 cm and base radius 16 cm is melted to form a sphere. Find the radius of the sphere.

- Ans ☐ A. 20 cm
☒ B. 24 cm
☐ C. 26 cm
☐ D. 22 cm

Q.42 A blue light blinks every 6 seconds and a red light blinks every 9 seconds. After how many seconds will both lights blink together again?

- Ans ☐ A. 9 seconds
☒ B. 18 seconds
☐ C. 3 seconds
☐ D. 12 seconds

Q.43 Find the value of $(\sin A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 + (\operatorname{cosec}^2 A - \sec$

- Ans ☐ A. $2\cot^2 A$
☒ B. $7 + 2\cot^2 A$
☐ C. $7 - 2\cot^2 A$
☐ D. $-2\cot^2 A$

Q.44 If 4 kg of rice costing ₹40 per kg is mixed with 6 kg of rice costing ₹50 per kg, what is the price per kg of the mixture (in ₹)?

- Ans ☐ A. 50
☒ B. 46
☐ C. 44
☐ D. 48

Q.45 A trader gains 72% by selling an article after two successive discounts of 50% and 14% on its marked price. If the cost price of the article is increased by 36%, then what single discount should he now give on the same marked price to get the same profit percentage as earlier?

- Ans**
- ☐ A. 46.78%
 - ☐ B. 40.56%
 - ☐ C. 47.46%
 - ☒ D. 41.52%

Q.46 A tourist bus covers a distance of 500 kilometers. It travels the first 40% of the distance at a speed of 80 km/hr and the rest of the distance at 75 km/hr. If it takes a 30-minute stop for lunch during the journey, what is the average speed for the entire trip? (Rounded off to two decimal places.)

- Ans**
- ☐ A. 75 km/hr
 - ☐ B. 72.54 km/hr
 - ☐ C. 76.92 km/hr
 - ☒ D. 71.43 km/hr

Q.47 The length of a side of a cube is $(2x - 5)$ cm. What is total surface area of the cube?

- Ans**
- ☐ A. $6(4x^2 - 20x - 25)$
 - ☒ B. $24x^2 - 120x + 150$
 - ☐ C. $4x^2 - 20x + 25$
 - ☐ D. $6x^2 - 30x + 25$

Q.48 An article is sold at a profit of 20%. If the selling price had been increased by ₹100, the profit percentage would have doubled. What was the cost price of the article?

- Ans**
- ☐ A. ₹200
 - ☐ B. ₹250
 - ☐ C. ₹400
 - ☒ D. ₹500

Q.49 Which value is the mean proportional between 18 and 45?

- Ans**
- ☐ A. $20\sqrt{7}$
 - ☐ B. $10\sqrt{17}$
 - ☐ C. $25\sqrt{5}$
 - ☒ D. $9\sqrt{10}$

Q.50 Given that $113^{0.99} = x$, $113^{0.77} = y$ and $x^z = y^2$, then the value of z is close to:

- Ans**
- ☐ A. 3.04
 - ☒ B. 1.56
 - ☐ C. 2.89
 - ☐ D. 1.48

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 - B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M - H @ Y % U'?

- Ans** ☒ A. Brother
☐ B. Husband
☐ C. Father
☐ D. Son

Q.52 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6247518, 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. 4
☐ B. 6
☒ C. 2
☐ D. 8

Q.53 L is the brother of C. N is the brother of R. T is the father of N. R is the daughter of C. How is L related to N?

- Ans** ☐ A. Sister's daughter
☐ B. Brother's son
☒ C. Mother's brother
☐ D. Sister's son

Q.54 Seven people C, D, J, R, T, V and Y are sitting in a row, facing north. Only two people sit to the left of T. Only three people sit between Y and J, neither of whom sits on the extreme ends. R sits immediately to the right of D. C sits immediately to the left of Y. How many people sit to the left of J?

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

Q.55 XYME is related to ABPH in a certain way based on the English alphabetical order. In the same way, LFHU is related to OIKX. To which of the following is INGV related, following the same logic?

- Ans** ☐ A. LRKY
☐ B. LRJZ
☐ C. KPIX
☒ D. LQJY

Q.56 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 five boxes are kept above C. Only two boxes are kept between D and C. E is kept immediately below B. A is not the bottommost box.

Which box is kept immediately above F?

- Ans** ☐ A. D
☒ B. C
☐ C. G
☐ D. A

Q.57 63 is related to 21 following a certain logic. Following the same logic, 84 is related to 42. To which of the given options is 105 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 71
 - ☐ B. 52
 - ☐ C. 40
 - ☒ D. 63

Q.58 Rajesh starts from Point A and drives 51 km towards the 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 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. 12 km to the north
 - ☐ B. 10 km to the south
 - ☒ C. 9 km to the south
 - ☐ D. 10 km to the north

Q.59 What should come in place of ? in the given series based on the English alphabetical order?
DWF ISG NOH SKI ?

- Ans**
- ☐ A. YGJ
 - ☐ B. YHK
 - ☐ C. ZGL
 - ☒ D. XGJ

Q.60 2 is related to 10 following a certain logic. Following the same logic, 4 is related to 18. To which of the following is 45 related, following the same logic?
(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.)

- Ans**
- ☐ A. 180
 - ☒ B. 182
 - ☐ C. 178
 - ☐ D. 184

Q.61 Six people, C, D, E, O, P and Q, are sitting in a row, facing north.
Only four people sit between O and Q. C sits to the immediate left of Q. Only one person sits between C and E. P sits at some place to the left of D.
How many people sit between P and D?

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

Q.62 The position(s) of how many letters will remain unchanged if each of the letters in the word DOUCELY is arranged in the English alphabetical order?

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

Q.63 Each vowel in the word SAENCHY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

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

Q.64 This question is based on the given words.

FED BAT RIB TOP

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.65 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)

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

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

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.

SHOW : HSOW : HSWO
PAIR : APIR : APRI

- Ans**
- ☒ A. ZEAL : EZAL : EZLA
 - ☐ B. CARE : ACER : ACRE
 - ☐ C. FIND : IFND : FNID
 - ☐ D. GAWK : AWGK : AGWK

- 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:

All bags are purses.
No purse is a suitcase.

Conclusions:

(I) No bag is a suitcase.
(II) Some suitcases are purses.

- 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.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 one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☒ A. RP - OM
☒ B. MK - HY
☒ C. OM - LJ
☒ D. TR - QO

- Q.69** This question is based on the given words.

(Left) ABS DON WER FIR (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

- Q.70** What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $26 - 27 \times 3 \div 5 + 33 = ?$

- Ans** ☒ A. 42
☒ B. 40
☒ C. 38
☒ D. 36

- Q.71** In a certain code language, 'MINT' is coded as '2674' and 'TIME' is coded as '6827'. What is the code for 'E' in the given code language?

- Ans** ☒ A. 8
☒ B. 7
☒ C. 6
☒ D. 2

Q.72 Seven boxes B, F, G, H, R, T and Y kept one over the other but not necessarily in the same order. Only three boxes are kept above Y. Only one box is kept between B and Y. Only three boxes are kept between B and G. G is kept at some place above Y. T is kept immediately below G. F is kept at one of the places above H. R is not kept immediately above or below B. How many boxes are kept below Y?

Ans ☒ A. 3

☐ B. 1

☐ C. 2

☐ D. 4

Q.73 Refer to the given 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) 5 # 7 @ 2 % 8 & 4 \$ 3 ! 9 * 6 (Right)

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

Ans ☐ A. One

☐ B. Three

☒ C. Six

☐ D. Four

Q.74 What should come in place of the question mark (?) in the given series?

211 239 253 281 295 323 ?

Ans ☒ A. 337

☐ B. 345

☐ C. 339

☐ D. 355

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 vines are stars.

No star is a rug.

Conclusions:

I: No rug is a vine.

II: Some rugs are vines.

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.76 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $6 \div 5 + 10 \times 2 - 5 = ?$

Ans ☐ A. 35

☐ B. 28

☒ C. 30

☐ D. 34

Q.77 E, F, G, H, L and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. G lives on an even numbered floor but not on floor number 4. Only two people live between G and M. E lives on an odd numbered floor but not on the lowermost floor. Only two people live between E and F. L lives immediately below E. How many people live between H and L?

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

Q.78 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

AJM : IRU
OTP : WBX

- Ans**
- ☒ A. QLP : WTX
 - ☒ B. CWA : KOI
 - ☒ C. BIL : JQT
 - ☒ D. NIT : FQB

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. RS-WX
 - ☒ B. AB-FG
 - ☒ C. VW-AB
 - ☒ D. EF-IM

Q.80 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) G Q E F O E E U H U R O M O U Y O B Z I S W (Right)

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

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

Section : General Awareness and Current Affairs

Q.81 Which of the following states organized the 'Aaroh 2026' summer sports initiative camp?

- Ans**
- ☒ A. Rajasthan
 - ☒ B. Odisha
 - ☒ C. Haryana
 - ☒ D. Madhya Pradesh

Q.82 Which Indian film achieved a major milestone by being shortlisted for the 98th Academy Awards in the Best International Feature Film category?

- Ans**
- ☐ A. Laapataa Ladies
 - ☒ B. Homebound
 - ☐ C. All We Imagine as Light
 - ☐ D. Chhello Show

Q.83 As of April 2026, the Monetary Policy Committee (MPC) of the RBI voted to keep the policy repo rate unchanged at what percentage?

- Ans**
- ☐ A. 5.00%
 - ☐ B. 5.50%
 - ☐ C. 4.75%
 - ☒ D. 5.25%

Q.84 Who won the men's long jump at the Indian Athletics Series 2026 with an 8.15-m leap?

- Ans**
- ☐ A. Lokesh Sathyanathan
 - ☐ B. Sunny Kumar
 - ☒ C. Murali Sreeshankar
 - ☐ D. Purushotham

Q.85 Which of the following straits did Iran close in March 2026 due to the war with the USA?

- Ans**
- ☐ A. Strait of Malacca
 - ☐ B. Bab-el-Mandeb
 - ☒ C. Strait of Hormuz
 - ☐ D. Strait of Gibraltar

Q.86 Which political party emerged as the single largest party by winning the general elections to the assembly constituencies of Tamil Nadu in 2026?

- Ans**
- ☐ A. All India Anna Dravida Munnetra Kazhagam
 - ☐ B. Pattali Makkal Katchi
 - ☒ C. Tamilaga Vettri Kazhagam
 - ☐ D. Dravida Munnetra Kazhagam

Q.87 Which organization revoked all actions under Stage-I of GRAP (Graded Response Action Plan) in the National Capital Region (NCR) in March 2026?

- Ans**
- ☐ A. Central Pollution Control Board
 - ☐ B. Ministry of Environment, Forest and Climate Change
 - ☐ C. Delhi Pollution Control Committee
 - ☒ D. Commission for Air Quality Management

Q.88 Which of the following agencies published the report on Ease of Doing Research and Development in India in April 2026?

- Ans**
- ☐ A. University Grants Commission
 - ☐ B. Reserve Bank of India
 - ☒ C. NITI Aayog
 - ☐ D. National Bank for Agriculture and Rural Development

Q.89 In May 2026, strong winds and heavy rainfall affected 26 districts of which of the following states?

- Ans** ☒ A. Uttar Pradesh
☐ B. Bihar
☐ C. Rajasthan
☐ D. Madhya Pradesh

Q.90 According to the Economic Survey 2025–26, India's extreme poverty rate for 2022–23, based on the revised international poverty line, was estimated at what level?

- Ans** ☐ A. 11.2%
☐ B. 8.7%
☐ C. 14.9%
☒ D. 5.3%

Q.91 In 2026, the Central Bureau of Investigation busted a transnational network involved in trafficking Indian nationals into "Cyber Slavery" operations mainly based in which region?

- Ans** ☐ A. Central Asia
☐ B. West Asia
☐ C. Eastern Europe
☒ D. Southeast Asia

Q.92 In April 2026, who among the following won the Laureus World Sportsman of the Year 2026 award?

- Ans** ☒ A. Carlos Alcaraz
☐ B. Lionel Messi
☐ C. Max Verstappen
☐ D. Rafael Nadal

Q.93 To commemorate the 70th anniversary of the Ballon d'Or award, the 2026 Ballon d'Or ceremony is scheduled to be held in which of the following cities?

- Ans** ☐ A. Rome, Italy
☐ B. Madrid, Spain
☒ C. London, England
☐ D. Paris, France

Q.94 What is the name of the indigenous glide weapon system whose maiden flight was successfully tested by DRDO and IAF in May 2026?

- Ans** ☐ A. VIRA
☒ B. TARA
☐ C. SURYA
☐ D. ANGIRA

Q.95 Dr. N Rajam, who was conferred with the Padma Vibhushan in May 2026, is a renowned _____.

- Ans** ☐ A. Sitar maestro
☐ B. Guitar maestro
☐ C. Tabla maestro
☒ D. Violin maestro

Q.96 Which premier research and development centre under the Department of Telecommunications indigenously developed the Integrated Alert System (SACHET) in 2026?

- Ans**
- ☐ A. Indian Space Research Organisation (ISRO)
 - ☐ B. Defence Research and Development Organisation (DRDO)
 - ☒ C. Centre for Development of Telematics (C-DOT)
 - ☐ D. Centre for Development of Advanced Computing (C-DAC)

Q.97 In February 2026, which city was the meeting place for Prime Minister of India Narendra Modi and the President of France?

- Ans**
- ☐ A. Rome
 - ☐ B. New York
 - ☒ C. Mumbai
 - ☐ D. Paris

Q.98 Which edition of The Monetary Policy Committee (MPC) of the Reserve Bank of India was held from April 6th to 8th, 2026?

- Ans**
- ☐ A. 40th
 - ☒ B. 60th
 - ☐ C. 50th
 - ☐ D. 70th

Q.99 In November 2025, ISRO successfully launched India's heaviest communication satellite also know as:

- Ans**
- ☐ A. CRM-7
 - ☐ B. NAVIC-2
 - ☒ C. CMS-03
 - ☐ D. GSAT-6B

Q.100 Which country signed a free trade agreement with the European Union in January 2026?

- Ans**
- ☐ A. Kenya
 - ☐ B. Australia
 - ☐ C. Singapore
 - ☒ D. India



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Dash Advanced Engineering
Test Date	03/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What does a higher degree of closeness of magnetic field lines indicate?

- Ans**
- ☐ A. Presence of electric field
 - ☒ B. Stronger magnetic field at that region
 - ☐ C. Weaker magnetic field at that region
 - ☐ D. The field lines are about to cross

Q.2 Why do the ventricles of the heart have thicker muscular walls compared to the atria?

- Ans**
- ☐ A. They separate oxygenated and de-oxygenated blood
 - ☒ B. They pump blood to organs throughout the body
 - ☐ C. They store more blood before each contraction
 - ☐ D. They require more nerves for neural control

Q.3 Where is the intercalary meristem commonly located in plants?

- Ans**
- ☐ A. On lateral sides of the stem
 - ☐ B. At the edge of leaves
 - ☐ C. At the tip of roots and shoots
 - ☒ D. At the base of leaves or internodes

Q.4 Why do multicellular organisms need specialized systems for the intake of energy and exchange of materials, unlike unicellular organisms?

- Ans**
- ☒ A. Most internal cells lack direct contact with the external environment
 - ☐ B. Single-celled organisms do not require cellular energy to survive
 - ☐ C. They are much heavier than single-celled organisms
 - ☐ D. They are completely unable to move from one place to another

Q.5 While opening a bottle cap using a bottle opener, the resistance offered by the cap acts as the ____.

- Ans**
- ☐ A. Machine
 - ☐ B. Energy source
 - ☐ C. Effort
 - ☒ D. Load

Q.6 Why can you hear a train approaching when you put your ear on the railway track?

- Ans**
- ☐ A. Vibrations travel only along the surface of the rails
 - ☒ B. Sound travels efficiently through solid steel rails to your ear
 - ☐ C. Sound moves through the air above the track
 - ☐ D. Rails vibrate more loudly than air does

Q.7 Arrange the following steps of the water cycle in the correct order:

1. Condensation
2. Evaporation
3. Precipitation
4. Collection in water bodies

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

Q.8 Which part of the human brain is mainly involved in maintaining body balance?

- Ans**
- ☐ A. Medulla
 - ☐ B. Cerebrum
 - ☐ C. Pons
 - ☒ D. Cerebellum

Q.9 Which of the following is an example of kinetic energy?

- Ans**
- ☒ A. A flying bird in the sky
 - ☐ B. A parked bicycle
 - ☐ C. An apple hanging from a tree
 - ☐ D. A book on a shelf

Q.10 A student places an object 18 cm from a converging lens of focal length 12 cm. The image formed is real. What is the magnification produced by the lens?

- Ans**
- ☐ A. - 1.5
 - ☐ B. + 1.5
 - ☒ C. - 2
 - ☐ D. + 2

Q.11 If an object's mass is doubled while the applied force remains constant, what happens to its acceleration according to the formula for force?

- Ans**
- ☐ A. The acceleration becomes zero
 - ☐ B. The acceleration remains unchanged
 - ☐ C. The acceleration is doubled
 - ☒ D. The acceleration is halved

Q.12 A glass vessel contains a chemical reaction where no gas escapes or enters. According to the Law of Conservation of Mass, which situation is most accurate?

- Ans**
- ☒ A. The total mass before and after the reaction remains unchanged.
 - ☐ B. The total mass after the reaction increases.
 - ☐ C. The total mass before the reaction is less than that after the reaction.
 - ☐ D. The total mass after the reaction decreases.

Q.13 A pregnant woman in her ninth week visits a clinic for a check-up. The doctor explains that the developing baby is now called a foetus and will continue organ development. Which trimester is she currently in?

- Ans**
- ☒ A. Second trimester
 - ☒ B. First trimester
 - ☒ C. Later stage
 - ☒ D. Third trimester

Q.14 A shiny iron nail was left in four different conditions for several days.
I. Dry air in a sealed container
II. Water containing dissolved oxygen
III. Water that had been boiled and then covered with oil
IV. Moist air

In which of the above conditions will rusting of iron most likely occur?

- Ans**
- ☒ A. I, II and IV
 - ☒ B. II and IV only
 - ☒ C. II, III and IV
 - ☒ D. I and III only

Q.15 An element has an atomic number of 17. Based on the arrangement of charged particles in its atom, which statement best explains the number of electrons in its neutral state?

- Ans**
- ☒ A. It contains 8 electrons in the innermost shell alone.
 - ☒ B. It has 17 electrons to balance the 17 protons present.
 - ☒ C. It contains 17 electrons to match the 17 neutrons present.
 - ☒ D. It has more electrons than protons due to its atomic mass.

Q.16 If a resistor is connected to a voltage source and the resistance is halved while the voltage remains constant, what happens to the heat produced in a fixed time?

- Ans**
- ☒ A. The heat produced decreases to half its previous value
 - ☒ B. The heat produced remains unchanged
 - ☒ C. The heat produced increases to four times its previous value
 - ☒ D. The heat produced increases to twice its previous value

Q.17 Which among the following molecular formulae of organic compounds does NOT represent a ring structure?

- Ans**
- ☒ A. C_6H_8
 - ☒ B. C_6H_{14}
 - ☒ C. C_6H_{10}
 - ☒ D. C_6H_6

Q.18 A student places a candle at a distance greater than twice the focal length from a convex lens. She observes the image formed on a screen. Which of the following best describes the image's nature, position, and size?

- Ans**
- ☒ A. The image is virtual, erect, formed on the same side as the object, and larger than the object.
 - ☒ B. The image is virtual, inverted, formed at the focal point, and the same size as the object.
 - ☒ C. The image is real, inverted, formed between the focal point and twice the focal length, and smaller than the object.
 - ☒ D. The image is real, erect, formed beyond twice the focal length, and equal in size to the object.

Q.19 From a distance-time graph, how can the uniform speed of an object be calculated?

- Ans**
- ☒ A. By measuring the slope of the graph
 - ☒ B. By measuring the total time only
 - ☒ C. By measuring the total distance only
 - ☒ D. By measuring the area under the graph

Q.20 A new microorganism is found that is unicellular, prokaryotic, and lacks a membrane-bound nucleus but can perform photosynthesis. According to the five kingdom classification, which kingdom is it placed in?

- Ans**
- ☐ A. Protista
 - ☒ B. Monera
 - ☐ C. Plantae
 - ☐ D. Fungi

Q.21 Which statement best describes the electrical conductivity of non-metals in their pure form?

- Ans**
- ☐ A. Non-metals have high electrical conductivity
 - ☐ B. Non-metals conduct electricity as metals do
 - ☒ C. Non-metals do not conduct electricity
 - ☐ D. Non-metals conduct electricity efficiently

Q.22 A higher concentration of H^+ ions in a solution corresponds to:

- Ans**
- ☒ A. Lower pH value
 - ☐ B. Neutral pH
 - ☐ C. Higher pH value
 - ☐ D. Constant pH

Q.23 Which tissue is absent in the touch response of a sensitive plant?

- Ans**
- ☐ A. Vascular tissue
 - ☒ B. Nervous tissue
 - ☐ C. Ground tissue
 - ☐ D. Epithelial tissue

Q.24 Which of the following mixtures best demonstrates a heterogeneous mixture at the macroscopic level?

- Ans**
- ☒ A. Sand and Water
 - ☐ B. Nitrogen and Oxygen
 - ☐ C. Sugar and water
 - ☐ D. Salt and water

Q.25 A student burns ethanol in air and observes a blue flame. Which statement best explains this observation?

- Ans**
- ☐ A. Incomplete combustion leads to a blue flame because of less oxygen.
 - ☐ B. Impurities in ethanol cause the blue color of the flame.
 - ☒ C. Complete combustion produces a blue flame due to sufficient oxygen supply.
 - ☐ D. Ethanol produces a red flame when burned in air.

Section : Mathematics

Q.26 In a circle of radius 5 cm, AB and AC are two equal chords such that $AB = AC = 7$ cm. What is the length of the chord BC? (Rounded off to 3 decimal places.)

- Ans**
- ☐ A. 9.992 cm
 - ☒ B. 9.998 cm
 - ☐ C. 9.996 cm
 - ☐ D. 9.990 cm

Q.27 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 46% and 13%, shop II allows successive discounts of 55% and 69%, shop III allows successive discounts of 47% and 68%, and shop IV allows successive discounts of 91%, 98%, and 18% on the marked price of the cooker.
Which shop is selling the cooker at the lowest price?

- Ans ☐ A. I
☒ B. IV
☐ C. III
☐ D. II

Q.28 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. increase by ₹909
☒ B. decrease by ₹910
☐ C. decrease by ₹908
☐ D. increase by ₹913

Q.29 The slant height of a cone is 25 cm, and the radius of its base is 17 cm. Find its total surface area. (Use $\pi = 22/7$.)

- Ans ☐ A. 3300 cm^2
☒ B. 2244 cm^2
☐ C. 1283 cm^2
☐ D. 2750 cm^2

Q.30 Rajesh started a business with ₹50,000. In the first year, he made a profit of 20%. He reinvested all the money (original + profit) in the second year. In the second year, he suffered a loss of 15%. At the end of the second year, he sold his remaining business assets and received an additional ₹8,000 as goodwill. What is his overall profit or loss percentage on his original investment?

- Ans ☐ A. 20% profit
☒ B. 18% profit
☐ C. 15% loss
☐ D. 12% loss

Q.31 The compound interest (in ₹, rounded off to the nearest tens) on ₹10,000 at the rate of 8% per annum for 1.5 years, if interest is compounded half-yearly, is:

- Ans ☐ A. 1,450
☐ B. 1,350
☒ C. 1,250
☐ D. 1,150

Q.32 The product of the HCF and LCM of two numbers is 1944. Find the second number, if the first number is 54.

- Ans ☐ A. 42
☒ B. 36
☐ C. 24
☐ D. 48

Q.33 Given that $17^{0.3} = x$, $17^{0.5} = y$ and $x^z = y^5$, then the value of z is close to:

- Ans ☐ A. 7.67
☒ B. 8.33
☐ C. 10.33
☐ D. 8.67

Q.34 Riya can complete a piece of work in 15 days, while Neha can complete the same work in 20 days. If both of them work together, how many days will they take to complete the work?

- Ans
- ☒ A. $\frac{75}{8}$ days
 - ☒ B. $\frac{29}{3}$ days
 - ☒ C. $\frac{35}{4}$ days
 - ☒ D. $\frac{60}{7}$ days

Q.35 A train, 150 m long, running at 60 km/h passes another train, which is twice as fast as this train and is running on a parallel line in the opposite direction, in 8 seconds. Find the length (in m) of the second train.

- Ans
- ☒ A. 250
 - ☒ B. 320
 - ☒ C. 300
 - ☒ D. 280

Q.36 For a cone, the curved surface area is two-thirds of its total surface area. What is the ratio of its slant height to its radius?

- Ans
- ☒ A. 2 : 1
 - ☒ B. 1 : 2
 - ☒ C. 1 : 1
 - ☒ D. 3 : 1

Q.37 Sam covered a certain distance at a certain speed. Had he moved 4.5 kmph faster, he would have taken 30 minutes less. If he had moved 4.5 kmph slower, he would have taken 35 minutes more. Find the distance covered by him.

- Ans
- ☒ A. 409.5 km
 - ☒ B. 411.5 km
 - ☒ C. 429.5 km
 - ☒ D. 420 km

Q.38 As observed from the top of a 150 m high lighthouse from the sea-level, the angles of depression of two ships are 30° and 60° . If one ship is exactly behind the other on the same side of the lighthouse, then find the difference between the horizontal distances of both ships from the base of lighthouse (Use $\sqrt{3}=1.7$).

- Ans
- ☒ A. 168 m
 - ☒ B. 183 m
 - ☒ C. 170 m
 - ☒ D. 178 m

Q.39 Simplify:

$$(7^7 \times 7^{-5} \div 7^{-4}) \div \left(7^0 \times 7^{-2} \text{ of } \left(\frac{1}{7}\right)^{-5}\right)$$

- Ans
- ☒ A. 1
 - ☒ B. 7
 - ☒ C. 343
 - ☒ D. 49

Q.40 What is the mean of the following distribution?

Marks	14	28	55	75	93
No. of Students	33	81	73	44	35

- Ans
- ☒ A. 46
 - ☒ B. 39
 - ☒ C. 50
 - ☒ D. 42

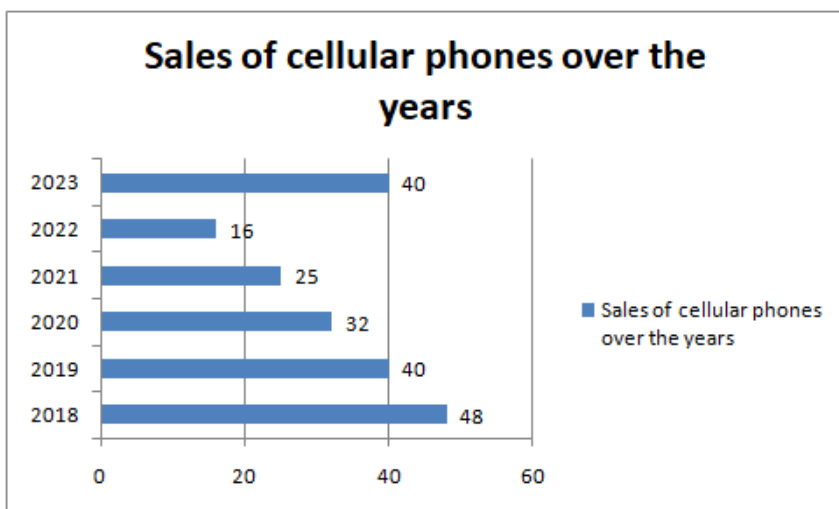
Q.41 What is the time (in years) required for a sum of ₹12,000 at 6% per annum simple interest to earn ₹2,160?

- Ans
- ☒ A. 3 years
 - ☒ B. 2.5 years
 - ☒ C. 3.5 years
 - ☒ D. 2 years

Q.42 Amit and Bharat started a business with investments of ₹40,000 and ₹55,000, respectively. After 6 months, Chetan joined with ₹60,000. If the annual profit is ₹47,400, what is Bharat's share?

- Ans
- ☒ A. ₹20,886
 - ☒ B. ₹20,756
 - ☒ C. ₹20,856
 - ☒ D. ₹20,716

Q.43 The bar graph below shows the sales (in thousands) of cellular phones from 2018 to 2023. Study the graph and answer the question.
 Find the average sales of cellular phones (in thousands) from 2021 to 2023.



- Ans
- ☒ A. 27
 - ☒ B. 28
 - ☒ C. 25
 - ☒ D. 26

Q.44 The production of a factory increased from 1,200 units to 1,500 units. Find the percentage increase in production.

- Ans
- ☒ A. 25%
 - ☒ B. 20%
 - ☒ C. 30%
 - ☒ D. 22%

Q.45 B is as much younger to A as he is elder to C. The ratio of the ages of A and C is 9 : 8 and sum of their ages is 68. What is the difference between the ages of A and B?

- Ans ☒ A. 5
☒ B. 4
☒ C. 2
☒ D. 6

Q.46 If 2 liters of juice costing ₹30 per liter are mixed with 8 liters of juice costing ₹50 per liter, what is the price per liter (in ₹) of the mixture?

- Ans ☒ A. 48
☒ B. 46
☒ C. 50
☒ D. 44

Q.47 The difference between compound interest and simple interest at a rate of 5% per annum over a period of 2 years on an amount of ₹15,000 is:

- Ans ☒ A. ₹42.10
☒ B. ₹33.60
☒ C. ₹37.50
☒ D. ₹41.90

Q.48 What is the value of $(8x + 2y)$, if mean of the following distribution is 56?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	3	12	x	5	y	70

- Ans ☒ A. 292
☒ B. 294
☒ C. 298
☒ D. 302

Q.49 From a point on the ground, the angle of elevation to the top of a tree is 45° . If the point is 20 m away from the base, what is the height of the tree?

- Ans ☒ A. 15 m
☒ B. 22 m
☒ C. 18 m
☒ D. 20 m

Q.50 A sum of money is divided among P, Q, and R in the ratio 2:3:5. If R gets Rs. 290 more than Q, what is the total sum?

- Ans ☒ A. Rs. 900
☒ B. Rs. 1200
☒ C. Rs. 1100
☒ D. Rs. 1450

Section : General Intelligence and Reasoning

Q.51 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?
 $33 - 7 \div 81 + 44 \times 22 = ?$

- Ans ☒ A. 305
☒ B. 310
☒ C. 320
☒ D. 301

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

How many such odd digits are there, which are immediately preceded by an even digit and also immediately followed by a perfect square? (NOTE: 1 is also a perfect square.)

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

Q.53 15 is related to 46 following a certain logic. Following the same logic, 2 is related to 7. To which of the following is 8 related, following the same logic?
(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.)

- Ans** ☐ A. 23
☐ B. 27
☒ C. 25
☐ D. 29

Q.54 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) A S # P L \$ % T U I \$ * M < > S + A @ * & A W ? % A Z Y & @ E \$ R (Right)

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

- Ans** ☐ A. 4
☐ B. 2
☒ C. 1
☐ D. 3

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.
FSX : ANS
MVD : HQY

- Ans** ☒ A. JYA : ETV
☐ B. IXZ : FUV
☐ C. QFH : ODF
☐ D. HWY : DSU

Q.56 Ajay starts driving his car towards the north. After driving 10 m, he turns towards the left and drives 30 m. He then turns towards the right and drives 20 m. He finally turns towards the left and drives 10 m. In which direction is he facing now? (All turns are 90-degree turns only unless specified.)

- Ans** ☐ A. North
☐ B. South
☐ C. East
☒ D. West

Q.57 Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. U has exam on Friday. Only two people have exam between E and U. Only four people have exam between L and E. T has exam immediately after R. O doesn't have exam on Monday. How many people have exam between O and B?

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

Q.58 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HJF :: RTP : %

- Ans** ☐ A. # = ELC , % = UWL
☐ B. # = MKC , % = UKO
☒ C. # = EGC , % = UWS
☐ D. # = KJC , % = UML

Q.59 Each vowel in the word DERVISH is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

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

Q.60 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 M related to S if 'M × N - O + P ÷ S'?

- Ans** ☐ A. Brother's son
☐ B. Mother's father
☐ C. Sister's husband
☒ D. Brother's wife's father

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: Some books are papers. No book is a towel.

Conclusion (I): Some papers are towels.

Conclusion (II): No towel is a paper.

- 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 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. HL-NU

✗ B. SW-ZD

✗ C. FJ-MQ

✗ D. BF-IM

Q.63 Refer to the following letter, symbol series and answer the question.

(Left) B B H J \$ H & J K + ? N + ? \$ & H ^ G # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

Ans ✗ A. =

✓ B. ?

✗ C. #

✗ D. +

Q.64 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $35 \times 7 \div 9 - 28 + 31 = ?$

Ans ✓ A. 42

✗ B. 40

✗ C. 38

✗ D. 44

Q.65 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as that followed in the question?
(NOTE - A two/three digit number cannot be broken into individual digits for operations; e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

2 - 6 - 12 - 20 ; 3 - 7 - 13 - 21

Ans ✗ A. 5 - 9 - 13 - 17

✓ B. 4 - 8 - 14 - 22

✗ C. 7 - 11 - 15 - 21

✗ D. 6 - 10 - 16 - 22

Q.66 Each vowel in the word DRAFTED is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the left in the new group of letters thus formed?

Ans ✗ A. D

✗ B. F

✗ C. G

✓ D. E

Q.67 This question is based on the five, three-digit numbers given below.

(Left) 649 782 415 563 238 (Right)

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

What will be the sum, if the third digit of the second number from left is added to the first digit of the fourth number from left?

Ans ☒ A. 6

☒ B. 7

☒ C. 9

☒ D. 8

Q.68 Six people, C, D, E, O, P and Q, are sitting in a row, facing north.
Only E sits to the left of D. Only three people sit between E and Q. Only C sits between O and Q.
How many people sit between P and O?

Ans ☒ A. One

☒ B. Two

☒ C. None

☒ D. Three

Q.69 Each of the digits in the number 546598492 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. 13

☒ B. 12

☒ C. 11

☒ D. 10

Q.70 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among 5 poles, F, R, H, U and T each having a different height, which pole is the tallest?

(I) F is shorter than R but taller than H

(II) H is taller than U but shorter than T

Ans ☒ A. Both statements (I) and (II) together are sufficient to answer the question.

☒ B. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

☒ C. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

☒ D. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient.

Q.71 A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
H lives on an even-numbered floor but not on floor number 4. Only two people live between H and P. A lives on an odd-numbered floor but not on the lowermost floor. Only two people live between A and Y. S lives immediately below A.
How many people live between G and S?

Ans ☒ A. Four

☒ B. Three

☒ C. One

☒ D. Two

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 one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. GH - KL
 - ☒ B. MN - QR
 - ☒ C. JK - NK
 - ☒ D. BC - FG

Q.73 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 laptops are watches.
No watch is a computer.

Conclusions:

(I) Some laptops are computers.
(II) Some watches are laptops.

- 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.74 Seven boxes R, A, C, K, E, T and S are kept one over the other but not necessarily in the same order.
Only three boxes are kept below C. Only two boxes are kept between C and R. Only E is kept above S. K is kept at some place below T and at some place above A.
Which box is kept at second position from the bottom?

- Ans**
- ☒ A. A
 - ☒ B. C
 - ☒ C. E
 - ☒ D. R

Q.75 Eight people Akhil, Binod, Charu, Deepak, Ekta, Firoj, Gaurav and Hira are sitting in a row, facing north. Only three people sit to the left of Ekta. Binod is an immediate neighbour of Ekta and sits third to the right of Akhil. Deepak sits third to the left of Charu. Firoj is not an immediate neighbour of Charu. Charu sits second to left of Hira. Who sits at the extreme left end of the line?

- Ans**
- ☒ A. Deepak
 - ☒ B. Binod
 - ☒ C. Akhil
 - ☒ D. Firoj

Q.76 This question is based on the five, three-digit numbers given below.
(Left) 532 637 724 386 452 (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. Three
 - ☒ C. One
 - ☒ D. Two

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.

AGENT : EGTNA : TGANE
WORLD : RODLW : DOWLR

- Ans**
- ☐ A. CRAFT : ARCTF : TRCFA
 - ☐ B. CLOUD : LOUDC : COULD
 - ☐ C. WATER : RATEW : TOWER
 - ☒ D. EARTH : RAHTE : HAETR

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

198 210 234 246 270 282 ?

- Ans**
- ☐ A. 303
 - ☐ B. 301
 - ☒ C. 306
 - ☐ D. 311

Q.79 What should come in place of ? in the given series based on the English alphabetical order?

ASW FPU KMS PJQ ?

- Ans**
- ☐ A. WGP
 - ☐ B. VHO
 - ☒ C. UGO
 - ☐ D. XIQ

Q.80 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 G if 'N # G × L % R % Q # K'?

- Ans**
- ☐ A. Husband's mother
 - ☐ B. Brother's wife
 - ☒ C. Son's daughter
 - ☐ D. Husband's sister

Section : General Awareness and Current Affairs

Q.81 What is the name of the AI-powered platform launched by Income Tax Department of India in April 2026 to simplify tax filing and provide 24×7 guidance?

- Ans**
- ☒ A. Kar Saathi
 - ☐ B. e-Tax Saathi
 - ☐ C. Tax Saathi
 - ☐ D. Nir Saathi

Q.82 In January 2026, the Ministry of Electronics and Information Technology (MeitY) launched "Param Shakti," an indigenously developed 3.1 Petaflop supercomputing system, at which premier institute?

- Ans**
- ☒ A. Indian Institute of Technology (IIT) Madras
 - ☐ B. Indian Institute of Science (IISc), Bengaluru
 - ☐ C. Indian Institute of Technology (IIT) Delhi
 - ☐ D. Indian Institute of Technology (IIT) Bombay

Q.83 Which country hosted the 2025 Africa Cup of Nations (AFCON) from December 2025 to January 2026?

- Ans
- ☐ A. Algeria
 - ☐ B. Tunisia
 - ☒ C. Morocco
 - ☐ D. Egypt

Q.84 Which state hosted the inaugural edition of Khelo India Tribal Games from 25th March to 3rd April 2026?

- Ans
- ☐ A. Haryana
 - ☒ B. Chhattisgarh
 - ☐ C. Punjab
 - ☐ D. West Bengal

Q.85 In March 2026, which country hosted the World Trade Organization's 14th Ministerial Conference (MC14)?

- Ans
- ☐ A. Vietnam
 - ☒ B. Cameroon
 - ☐ C. Morocco
 - ☐ D. Brazil

Q.86 Where was the 4th International Conference on "Arbitrating Indo-UK Commercial Disputes" held on June 5, 2026?

- Ans
- ☐ A. Manchester, England
 - ☐ B. New Delhi, India
 - ☐ C. Mumbai, India
 - ☒ D. London, United Kingdom

Q.87 Which edition of National Family Health Survey was released by the Ministry of Health and Family Welfare, government of India in May 2026?

- Ans
- ☐ A. 8th
 - ☒ B. 6th
 - ☐ C. 10th
 - ☐ D. 4th

Q.88 Which union minister of India is the author of the book "Apnapan: Narendra Modi Sang Mere Anubhav" which was launched in May 2026?

- Ans
- ☐ A. Shri Nitin Jairam Gadkari
 - ☒ B. Shri Shivraj Singh Chouhan
 - ☐ C. Shri Jagat Prakash Nadda
 - ☐ D. Shri Manohar Lal

Q.89 Which place in Manipur experienced epicenter of an earthquake in April 2026?

- Ans
- ☐ A. Churachandpur
 - ☐ B. Senapati
 - ☒ C. Kamjong
 - ☐ D. Ukhrul

Q.90 At the 29th National Senior Federation Cup held in Ranchi during 2026, which Indian athlete set a new national record in the men's 100-metre event by clocking 10.09 seconds?

- Ans**
- ☐ A. Manikanta Hoblidhar
 - ☒ B. Gurindervir Singh
 - ☐ C. Animesh Kujur
 - ☐ D. Amlan Borgohain

Q.91 In June 2026, West Bengal Chief Minister Suwendu Adhikari launched the Annapurna Scheme. Who are the primary beneficiaries and what is the benefit?

- Ans**
- ☐ A. Tribal students receiving free coaching for IIT-JEE
 - ☒ B. Women receiving Rs. 3,000 monthly financial assistance
 - ☐ C. Muslim artisans receiving loans at 6% interest
 - ☐ D. Transgender persons receiving housing in minority colonies

Q.92 Who among the following has won the Laureus World Sportswoman of the Year 2026 award?

- Ans**
- ☐ A. Faith Kipyegon
 - ☐ B. Aitana Bonmatí
 - ☒ C. Aryna Sabalenka
 - ☐ D. Keti Ledecy

Q.93 Operation Parhar, launched by Punjab Police in January 2026, was primarily aimed at addressing which of the following issues in the state?

- Ans**
- ☐ A. Cybercrime networks
 - ☐ B. Border infiltration
 - ☐ C. Drug trafficking
 - ☒ D. Gangster networks

Q.94 Which two weather phenomena did the 16th Finance Commission recommend adding to India's list of nationally notified disasters?

- Ans**
- ☐ A. Glacial lake outbursts and mudslides
 - ☐ B. Dust storms and cloudbursts
 - ☐ C. Cold waves and hailstorms
 - ☒ D. Heatwaves and lightning strikes

Q.95 Which of the following American civil rights leaders, known for his contributions to racial equality, social justice, and political activism in the United States, was reported to have passed away in February 2026?

- Ans**
- ☒ A. Jesse Jackson
 - ☐ B. Al Sharpton
 - ☐ C. Andrew Young
 - ☐ D. John Lewis

Q.96 On which date in 2026 did India officially commemorate Ambedkar Jayanti to honor the architect of the Constitution, Dr. B.R. Ambedkar, with nationwide events?

- Ans**
- ☐ A. 7 April 2026
 - ☒ B. 14 April 2026
 - ☐ C. 1 May 2026
 - ☐ D. 17 April 2026

Q.97 Which missile's final development trials were successfully completed by the Defence Research and Development Organisation in May 2026?

- Ans**
- ☐ A. BrahMos
 - ☒ B. ULPGM-V3
 - ☐ C. Agni-Prime
 - ☐ D. Nirbhay

Q.98 PSLV-C62 carrying EOS-N1 was launched in 2026 from which launch centre?

- Ans**
- ☐ A. Thumba Equatorial Rocket Launching Station, Thiruvananthapuram
 - ☐ B. ISRO Propulsion Complex, Mahendragiri
 - ☒ C. Satish Dhawan Space Centre, Sriharikota
 - ☐ D. Vikram Sarabhai Space Centre, Thiruvananthapuram

Q.99 According to the Economic Survey 2025–26, which sector emerged as the largest contributor to India's Gross Value Added (GVA) in recent years?

- Ans**
- ☒ A. Services sector
 - ☐ B. Agriculture and allied activities
 - ☐ C. Manufacturing sector
 - ☐ D. Mining and quarrying

Q.100 Who was elevated to the post of Chief Justice of the Calcutta High Court in January 2026?

- Ans**
- ☐ A. Justice Radhika Sen
 - ☐ B. Justice Krishna Rao
 - ☐ C. Justice Arijit Banerjee
 - ☒ D. Justice Sujoy Paul



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	CORE TECHNOLOGIES
Test Date	03/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

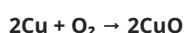
Q.1 To increase the width or girth of a tree trunk, cells must divide around the stem in a ring-like manner. Which tissue performs this function?

- Ans**
- ☒ A. Intercalary meristem
 - ☒ B. Apical meristem
 - ☒ C. Sclerenchyma
 - ☒ D. Lateral meristem

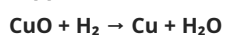
Q.2 What is the main environmental concern associated with non-biodegradable waste?

- Ans**
- ☒ A. It improves soil fertility
 - ☒ B. It accumulates and causes pollution
 - ☒ C. It is quickly recycled by organisms
 - ☒ D. It breaks down easily in nature

Q.3 A student observes the following reaction during heating of copper powder in air.



Later, hydrogen gas is passed over the black copper oxide and reddish-brown copper is obtained.



Which substance is **oxidized in first reaction and reduced in second reaction**?

- Ans**
- ☒ A. Copper in first reaction and Copper oxide in second reaction
 - ☒ B. Copper oxide in first reaction and Copper in second reaction
 - ☒ C. Oxygen in first reaction and Copper oxide in second reaction
 - ☒ D. Hydrogen in first reaction and Copper oxide in second reaction

Q.4 An ornithologist observes that birds in mountainous regions have more robust chest muscles and larger wings compared to those in forests. Which structural adaptation is being demonstrated?

- Ans**
- ☒ A. Facilitating sustained flight in thin air
 - ☒ B. Increasing egg production
 - ☒ C. Enhancing nest building
 - ☒ D. Improving camouflage

Q.5 An earthworm and crab both have segmented bodies, but only one has a hard outer covering. Which benefit does this outer covering provide in terrestrial environments?

- Ans**
- ☐ A. Facilitates single opening for digestion
 - ☐ B. Allows more flexible movement
 - ☒ C. Prevents water loss and offers protection
 - ☐ D. Provides tentacles for prey capture

Q.6 Which of the following statements about neutrons is correct?

- Ans**
- ☒ A. Neutrons have no charge and are found in the nucleus of an atom
 - ☐ B. Neutrons revolve around the nucleus like electrons
 - ☐ C. Neutrons are positively charged particles found in the nucleus
 - ☐ D. Neutrons are negatively charged and found in the outermost shell

Q.7 Which gas is most abundant in the blood pumped by the heart to the body?

- Ans**
- ☐ A. Hydrogen
 - ☐ B. Carbon dioxide
 - ☒ C. Oxygen
 - ☐ D. Helium

Q.8 An object of mass m is raised vertically through a height h near the Earth's surface. What is its gravitational potential energy?

- Ans**
- ☒ A. mgh
 - ☐ B. mh/g
 - ☐ C. mg/h
 - ☐ D. hg/m

Q.9 Which molecule is immediately synthesized using energy released during cellular respiration in animal cells?

- Ans**
- ☐ A. Guanosine Diphosphate (GDP)
 - ☒ B. Adenosine triphosphate (ATP)
 - ☐ C. Nicotinamide adenine Dinucleotide (NAD)
 - ☐ D. Adenosine Diphosphate (ADP)

Q.10 Why is baking soda preferred over sodium carbonate in fire extinguishers?

- Ans**
- ☒ A. It releases carbon dioxide easily with acid
 - ☐ B. It produces hydrogen gas rapidly
 - ☐ C. It forms insoluble residue
 - ☐ D. It reacts violently producing heat

Q.11 A student applies a constant force on a box at an angle to the horizontal, and the box moves in a straight horizontal line on a rough surface. Which statement correctly describes the work done by the applied force on the box?

- Ans**
- ☒ A. Only the horizontal component of the applied force, multiplied by the distance moved in the same direction, gives the work done
 - ☐ B. Only the vertical component of the applied force, multiplied by the distance moved vertically
 - ☐ C. The total applied force, including both horizontal and vertical components, multiplied by the distance moved
 - ☐ D. The sum of the horizontal and vertical components of the force, multiplied by the total distance traveled

Q.12 Which of the following statements is true about ethanoic acid?

- Ans
- ☐ A. It does not dissolve in water
 - ☒ B. It turns blue litmus red and reacts with carbonates to produce CO_2
 - ☐ C. It has a soapy feel and bitter taste
 - ☐ D. It is used to sweeten food due to its sugar content

Q.13 A student mixes oil and water in a beaker and notices two separate layers. Which explanation best fits this observation?

- Ans
- ☐ A. Oil dissolves completely in water to form a uniform solution
 - ☐ B. Oil and water form a homogeneous mixture with a single phase
 - ☐ C. Oil and water chemically react to form a new compound
 - ☒ D. Oil and water form a heterogeneous mixture because their components are not uniformly distributed

Q.14 A cyclist covers a distance of 30 kilometers in 1.5 hours. What is the average speed of the cyclist?

- Ans
- ☒ A. 20 kilometers per hour
 - ☐ B. 2 kilometers per hour
 - ☐ C. 45 kilometers per hour
 - ☐ D. 15 kilometers per hour

Q.15 What does the splitting of water molecules during photosynthesis produce?

- Ans
- ☐ A. Nitrogen and carbon
 - ☒ B. Hydrogen and oxygen
 - ☐ C. Nitrogen and oxygen
 - ☐ D. Oxygen and carbon

Q.16 A pencil appears bent when partially submerged in water. Which scenario best explains how understanding refraction can help design better aquarium displays?

- Ans
- ☐ A. Using colored backgrounds to make objects stand out
 - ☐ B. Using mirrors to enhance the brightness of the aquarium
 - ☐ C. Changing water temperature to reduce light bending
 - ☒ D. Positioning lighting to account for refraction can make fish appear in their true locations to viewers

Q.17 An electric heater is rated 2000 W and is used for 2 hours. How much energy is consumed in joules?

- Ans
- ☐ A. 3,600,000 joules
 - ☐ B. 720,000 joules
 - ☒ C. 14,400,000 joules
 - ☐ D. 7,200,000 joules

Q.18 Which material would be the best choice for electrical transmission lines?

- Ans
- ☐ A. Rubber
 - ☒ B. Aluminium
 - ☐ C. Glass
 - ☐ D. Tungsten

Q.19 Which of the following statements best defines uniform circular motion?

- Ans
- ☒ A. Motion along a circular path with constant speed and changing direction of velocity.
 - ☐ B. Motion along a straight path with constant speed and constant velocity.
 - ☐ C. Motion along a circular path with changing speed but constant velocity.
 - ☐ D. Motion along a circular path with constant velocity and zero acceleration.

Q.20 Given that the atomic masses of C = 12 u, O = 16 u and H = 1 u, which of the following options correctly represents the molecular masses of CO₂ and H₂O?

- Ans**
- ☐ A. CO₂ = 44 u ; H₂O = 16 u
 - ☐ B. CO₂ = 46 u ; H₂O = 20 u
 - ☒ C. CO₂ = 44 u ; H₂O = 18 u
 - ☐ D. CO₂ = 32 u ; H₂O = 18 u

Q.21 All of the following structures belong to the male reproductive system, **EXCEPT** _____.

- Ans**
- ☐ A. Penis
 - ☒ B. Fallopian tube
 - ☐ C. Scrotum
 - ☐ D. Vas deferens

Q.22 A student observes that a swimming pool appears shallower than its actual depth. Which concept best explains this effect?

- Ans**
- ☐ A. Scattering of light by water molecules
 - ☐ B. Reflection of light from the pool floor
 - ☐ C. Internal reflection of light within the water
 - ☒ D. Refraction of light at the water-air boundary

Q.23 A student observes that moving the object from beyond the center of curvature toward the focus of a concave mirror causes the image to change. What change is observed?

- Ans**
- ☐ A. The image becomes smaller and moves away from the mirror
 - ☐ B. The image remains the same size and position
 - ☒ C. The image becomes larger and moves away from the mirror
 - ☐ D. The image becomes smaller and moves toward the mirror

Q.24 Refer to the two statements given below and choose the **CORRECT** option.

Statement A: Ethanoic acid reacts with bases to form a salt and water.

Statement B: This reaction is classified as an oxidation reaction.

- Ans**
- ☐ A. Both statements A and B are incorrect.
 - ☐ 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 correct.

Q.25 Which process is commonly used to extract iron, a metal in the middle of the activity series, from its ore?

- Ans**
- ☒ A. Reduction with carbon (coke)
 - ☐ B. Reduction with hydrogen
 - ☐ C. Electrolytic reduction
 - ☐ D. Thermal decomposition

Section : Mathematics

Q.26 What is the average of the numbers 4, 8, and 12?

- Ans**
- ☐ A. 10
 - ☐ B. 12
 - ☒ C. 8
 - ☐ D. 6

Q.27 A shopkeeper marks the price of an article at 44% above its cost price and then offers two successive discounts of 39% each. What is his loss percentage? (Round off to the nearest integer)

- Ans**
- ☐ A. 47%
 - ☐ B. 48%
 - ☐ C. 45%
 - ☒ D. 46%

Q.28 Find the mean proportional of 6.5 and 24.

- Ans**
- ☐ A. $3\sqrt{39}$
 - ☒ B. $2\sqrt{39}$
 - ☐ C. $4\sqrt{39}$
 - ☐ D. $\sqrt{39}$

Q.29 A student rides a bicycle for 12 km at an average speed of 10 km/hr. At what speed should he cover the next 10 km to have an average speed of 11 km/hr for the whole journey?

- Ans**
- ☐ A. 15 km/hr
 - ☒ B. 12.5 km/hr
 - ☐ C. 11 km/hr
 - ☐ D. 10.8 km/hr

Q.30 From the top of a tower, the angle of depression to a point A on ground is 30° . From the same point on the tower, the angle of elevation to a balloon vertically above point A is 60° . If the horizontal distance between the tower and point A is 40 meter, the height (in meter) of the balloon above the point A is

- Ans**
- ☐ A. $\frac{40}{\sqrt{3}}$
 - ☒ B. $\frac{80}{\sqrt{3}}$
 - ☐ C. $\frac{160}{\sqrt{3}}$
 - ☐ D. $\frac{120}{\sqrt{3}}$

Q.31 Simplify the following expression.

$$(2x + 3y)^2 - (2x - 3y)^2 + 12xy$$

- Ans**
- ☒ A. $36xy$
 - ☐ B. $48xy$
 - ☐ C. $60xy$
 - ☐ D. $24xy$

Q.32 A boatman is rowing on a river. He takes 4 hours to travel upstream and 2.5 hours to travel downstream. If the speed of the river's current is 3 km/h, what is the boat's speed in still water?

- Ans**
- ☐ A. 14 km/h
 - ☐ B. 11 km/h
 - ☒ C. 13 km/h
 - ☐ D. 12 km/h

Q.33 If a certain amount of money is compounded semi-annually and becomes ₹1,600 after 3 years and ₹6,400 after 6 years, what is the principal amount?

- Ans
- ☐ A. ₹375
 - ☐ B. ₹410
 - ☒ C. ₹400
 - ☐ D. ₹440

Q.34 In $\triangle XYZ$ and $\triangle PQR$, if $XY = PQ$ and $YZ = QR$, then one can infer that $\triangle XYZ \cong \triangle PQR$ when:

- Ans
- ☐ A. $\angle XZY = \angle QPR$
 - ☐ B. $\angle XZY = \angle PRQ$
 - ☒ C. $\angle XYZ = \angle PQR$
 - ☐ D. $\angle YXZ = \angle QPR$

Q.35 The radius of a cylinder is increased by 20% and its height is decreased by 10%. Find the percentage change in its volume.

- Ans
- ☐ A. 26.9% increase
 - ☐ B. 26.9% decrease
 - ☐ C. 29.6% decrease
 - ☒ D. 29.6% increase

Q.36 A person borrowed an amount of ₹15 lakhs at a simple interest rate of 7% per annum for 5 years. If he wants to pay the total amount in equal monthly installments, then find the monthly installment.

- Ans
- ☐ A. ₹44,000
 - ☐ B. ₹41,640
 - ☐ C. ₹32,600
 - ☒ D. ₹33,750

Q.37 Solve for x :

$$\left[\left\{\left(\frac{3}{4}\right)^2\right\}^4\right]^{x+3} = \left[\left\{\left(\frac{9}{16}\right)^{1/2}\right\}^{x-2}\right]^2$$

- Ans
- ☐ A. $3\frac{1}{2}$
 - ☒ B. $-4\frac{2}{3}$
 - ☐ C. $1\frac{3}{4}$
 - ☐ D. $-2\frac{1}{4}$

Q.38 A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 20% less than what is written on it. Find his profit percentage.

- Ans
- ☒ A. 25%
 - ☐ B. 26.02%
 - ☐ C. 23.62%
 - ☐ D. 24.6%

Q.39 The angle of elevation of a cloud from a point 60 m above a lake is 30° , and the angle of depression of its reflection is 60° . Find the height of the cloud.

- Ans**
- ☐ A. 100 m
 - ☐ B. 80 m
 - ☒ C. 120 m
 - ☐ D. 60 m

Q.40 Pipe A can fill a tank in 4 hours, pipe B can fill the same tank in 8 hours and pipe C can fill the same tank in 8 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

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

Q.41 Find the smallest digit value for A such that 58A4 is divisible by 4.

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 0
 - ☐ D. 6

Q.42 The numbers 1, 3, and 14 are assigned weights 3, 1, and 1, respectively. Find their weighted arithmetic mean.

- Ans**
- ☐ A. 8
 - ☐ B. 6
 - ☒ C. 4
 - ☐ D. 3

Q.43 Find the median of the given data.

Class interval	0-5	5-10	10-15	15-20	20-25	25-30
Frequency	3	7	5	4	8	6

- Ans**
- ☒ A. 16.875
 - ☐ B. 18.54
 - ☐ C. 12.62
 - ☐ D. 15.28

Q.44 12 men can finish a task in 20 days. How many days will 30 men take to complete the same task?

- Ans**
- ☐ A. 12 days
 - ☐ B. 11 days
 - ☐ C. 9 days
 - ☒ D. 8 days

Q.45 A circular track has a radius of 28 m. If a sector (the pie-shaped region enclosed by two radii and the arc connecting their endpoints) subtending 90° is to be fenced along its boundary three times at the rate of ₹15 per meter, the total cost of fencing is:

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

Ans ☒ A. ₹4,500

☐ B. ₹1,500

☐ C. ₹1,800

☐ D. ₹5,400

Q.46 The income of Raman is ₹34,000. He saves 5.5% of his income. If his income increases by 17% and expenditure increases by 10%, then his savings will:

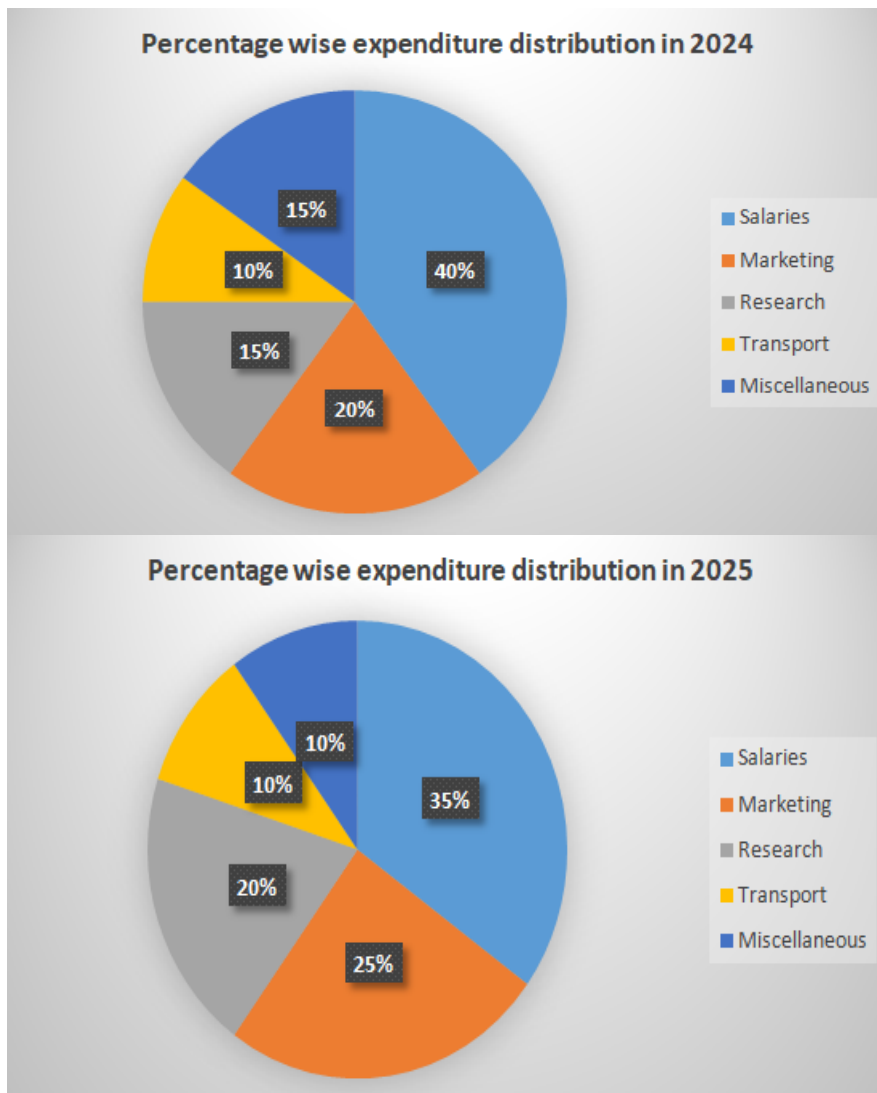
Ans ☐ A. decrease by ₹2,657

☒ B. increase by ₹2,567

☐ C. increase by ₹10,284

☐ D. decrease by ₹10,285

- Q.47 The given pie charts show the distribution of expenditure of a company across multiple areas in 2024 and 2025. The total expenditure in 2024 was ₹18,00,000 and the total expenditure in 2025 was ₹24,00,000. Find the increase in expenditure (in ₹) on Research from 2024 to 2025.



- Ans ☒ A. 2,40,000
☒ B. 1,80,000
☒ C. 2,70,000
☒ D. 2,10,000

- Q.48 The price of a laptop increases by 20% in the first year and again by 10% in the second year. If the original price was ₹50,000, find the final price after two years.

- Ans ☒ A. ₹65,000
☒ B. ₹67,000
☒ C. ₹68,000
☒ D. ₹66,000

- Q.49 Given that $102^{0.77} = x$, $102^{0.44} = y$ and $x^z = y^8$, then the value of z is close to:

- Ans ☒ A. 4.57
☒ B. 6.05
☒ C. 3.44
☒ D. 5.23

Q.50 A plant grows by 12.5% per annum. If its current height is 64 cm, what will be its height after 2 years, assuming the growth is compounded annually?

- Ans** ☒ A. 81 cm
☐ B. 80 cm
☐ C. 85 cm
☐ D. 88 cm

Section : General Intelligence and Reasoning

Q.51 S is the daughter of E. E is the wife of L. N is the mother of K. N is the sister of L. How is N related to S?

- Ans** ☐ A. Father's mother
☐ B. Wife
☐ C. Daughter
☒ D. Father's sister

Q.52 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$9 - 34 + 38 \times 18 \div 27 = ?$$

- Ans** ☐ A. -16
☒ B. -14
☐ C. -12
☐ D. -13

Q.53 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 poles, F, R, H, U and T each having a different height, which pole is the tallest?

- (I) F is taller than U but shorter than T. F is shorter than only one pole
(II) U is taller than R

- Ans** ☐ A. Both statements (I) and (II) together are sufficient to answer the question, but neither alone is sufficient.
☐ B. Both statements (I) and (II) together are not sufficient to answer the question.
☒ C. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.
☐ D. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

Q.54 Mr. Jigme starts from Point A and drives 29 km towards the west. He then takes a left turn, drives 11 km, turns left and drives 46 km. He then takes a left turn, drives 36 km, turns left and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right 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° turns only unless specified.)

- Ans** ☐ A. 16 km to the east
☐ B. 9 km to the north
☐ C. 9 km to the west
☒ D. 16 km to the south

Q.55 Each letter in the word EUCHRAD is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans** ☐ A. E
☒ B. F
☐ C. D
☐ D. I

Q.56 Each of C, E, R, T, A, I and N has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has exam on Friday. Only two people have exam between E and C. Only four people have exam between I and E. A has exam immediately after R. N doesn't have exam on Monday. How many people have exam between N and T?

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

Q.57 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BIK : IPR

EAT : LHA

- Ans**
- ☐ A. MIT : TQB
 - ☐ B. YEL : HLE
 - ☐ C. NET : GLA
 - ☒ D. PIC : WPJ

Q.58 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left)

R A J A R A N I R A D H A R A N I F A S H I O N U P P E R Q (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. Three
 - ☐ C. One
 - ☐ D. Four

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 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. QNL
 - ☐ B. AXV
 - ☒ C. VSP
 - ☐ D. YVT

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 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. WWY
 - ☐ B. BAD
 - ☒ C. AAC
 - ☐ D. DCF

Q.61 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) V is taller than D but shorter than N. V is shorter than only one stick.

(II) D is taller than H.

- Ans**
- ☐ A. Both statements I and II together are NOT sufficient to answer the question
 - ☐ B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☒ C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☐ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.62 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 26 - 30 - 60

3 - 6 - 10 - 20

- Ans**
- ☐ A. 14 - 16 - 32 - 68
 - ☐ B. 16 - 32 - 64 - 70
 - ☐ C. 12 - 15 - 30 - 60
 - ☒ D. 4 - 8 - 12 - 24

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

(Left) 421 736 589 340 275 (Right)

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

What is the difference between the second digit of the largest number and the first digit of the smallest number?

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

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

EMC HOD KQE NSF ?

- Ans**
- ☒ A. QUG
 - ☐ B. OUG
 - ☐ C. OVH
 - ☐ D. PWH

Q.65 Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.
P sits third to the right of O. Only three people sit between O and D when counted from the left of O. C sits to the immediate right of E.
How many people sit between E and Q when counted from the right of E?

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

Q.66 YFQC is related to AHSE in a certain way based on the English alphabetical order. In the same way, XVKJ is related to ZXML. To which of the following is WNAP related, following the same logic?

- Ans**
- ☒ A. YQCS
 - ☒ B. YPBQ
 - ☒ C. YPCR
 - ☒ D. ZQDS

Q.67 Each of P, B, N, L, C, G and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
Only four people have exams before B. G has exam on Tuesday. L has exam immediately after P but not on Thursday. C does not have exam before V. N does not have exam after V. How many people have exams between N and B?

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

Q.68 Raghav starts from Point A and drives 22 km towards the north. He then takes a left turn, drives 24 km, turns left and drives 38 km. He then takes a left turn and drives 41 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. 17 km to the west
 - ☒ B. 18 km to the east
 - ☒ C. 16 km to the west
 - ☒ D. 19 km to the east

Q.69 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: WYA :: VXZ : %

- Ans**
- ☒ A. # = RTU , % = ZBD
 - ☒ B. # = RTV , % = ACE
 - ☒ C. # = RVX , % = ACE
 - ☒ D. # = RTV , % = ABF

Q.70 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) X G Q C D H D C B H K Q R O F A J E Z U O (Right)

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

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

Q.71 C, D, J, R, T, V and Y are sitting around a circular table facing the center. Only two people sit between Y and D when counted from the right of Y. Only three people sit between R and T when counted from the right of T. D sits to the immediate right of T. V sits to the immediate right of J. How many people sit between V and T when counted from the right of T?

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

Q.72 This question is based on the following words.

BUN PET COG DAI

If in each of the words, each letter is changed to the immediately following letter in the English alphabetical order, how many words thus formed will have no vowel?

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

Q.73 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 only.

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

Q.74 A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. G lives on an odd numbered floor but not 5. The sum of floors on which G and D live is 5. Only 3 people live between D and H. S lives immediately above F. What is the sum of floors on which G and F live?

- Ans
- ☐ A. 6
 - ☐ B. 8
 - ☐ C. 5
 - ☒ D. 7

Q.75 What should come in place of the question mark (?) in the given series?

67 76 94 121 157 ?

- Ans**
- ☒ A. 196
 - ☒ B. 202
 - ☒ C. 177
 - ☒ D. 186

Q.76 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as that followed in question?

(NOTE – A two/three digit number cannot be broken into individual digits for operations; e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

8 – 32 – 128 – 512 ; 2 – 8 – 32 – 128

- Ans**
- ☒ A. 5 - 15 - 75 - 375
 - ☒ B. 4 - 16 - 64 - 200
 - ☒ C. 6 - 12 - 27 - 81
 - ☒ D. 3 - 12 - 48 - 192

Q.77 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 812347695, what will be the sum of all the odd digits in the new number thus formed?

- Ans**
- ☒ A. 20
 - ☒ B. 22
 - ☒ C. 17
 - ☒ D. 24

Q.78 Each vowel in the word BRISANT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

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

Q.79 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5783614, what will be the difference between the highest and lowest digits in the new number thus formed?

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

Q.80 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 'L + G # P % Q + K × Z'?

- Ans** ☒ A. Sister's daughter
☐ B. Mother
☐ C. Brother's wife
☐ D. Wife's mother

Section : General Awareness and Current Affairs

Q.81 Which nation ranked at the absolute bottom of the 2025/26 global Women, Peace and Security Index?

- Ans** ☒ A. Afghanistan
☐ B. Somalia
☐ C. Syria
☐ D. Yemen

Q.82 In the Union Budget 2026–2027, the announcement of establishing NIMHANS-2 in northern India is related to which sector?

- Ans** ☐ A. Renewable Energy Development
☐ B. Agricultural Development
☐ C. Higher Education Policy Reform
☒ D. Mental Health and Neurosciences Infrastructure

Q.83 Which port emerged as India's largest automobile export hub setting a national record by shipping 6,008 cars in a single vessel in April 2026?

- Ans** ☐ A. Kandla Port
☐ B. Paradip Port
☐ C. Visakhapatnam Port
☒ D. Mundra Port

Q.84 'Mahe', the first Anti-Submarine Warfare Shallow Watercraft (ASW SWC), was officially delivered to the Indian Navy on October 23, 2025, by a defence shipyard located in which of the following cities?

- Ans** ☐ A. Chennai
☒ B. Kochi
☐ C. Mumbai
☐ D. Panaji

Q.85 Which of the following states organised the Idhu Namma Aattam (CM Youth Festival) held in 2026?

- Ans** ☐ A. Andhra Pradesh
☒ B. Tamil Nadu
☐ C. Karnataka
☐ D. Kerala

Q.86 The Australian Open 2026 belonged to which category of international sporting events?

- Ans**
- ☐ A. Davis Cup international competition
 - ☐ B. ATP Finals championship event
 - ☐ C. UEFA Champions League
 - ☒ D. Grand Slam tennis tournament

Q.87 Under the Solid Waste Management Rules 2026, into how many streams must solid waste be segregated at its source?

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

Q.88 The Union Budget 2026–27 allocated how much funding over five years to support Carbon Capture, Utilisation and Storage (CCUS) development?

- Ans**
- ☒ A. ₹20,000 crore
 - ☐ B. ₹10,000 crore
 - ☐ C. ₹5,000 crore
 - ☐ D. ₹15,000 crore

Q.89 Who assumed the charge as Controller General of Defence Accounts (CGDA) in May 2026?

- Ans**
- ☐ A. Sanjay Jamuar
 - ☐ B. Vishvajit Sahay
 - ☒ C. Anugraha Narayana Das
 - ☐ D. Dilip Kumar

Q.90 In the Union Budget 2026–27, what percentage share of the total public expenditure is constituted by the Gender Budget?

- Ans**
- ☐ A. 8.86% of the total budget
 - ☐ B. 11.36% of the total budget
 - ☐ C. 6.80% of the total budget
 - ☒ D. 9.37% of the total budget

Q.91 As per National Sports Governance (National Sports Board) Rules, 2026, the National Sports Board shall consist of a _____.

- Ans**
- ☐ A. Chairperson and four Members
 - ☐ B. Chairperson and five Members
 - ☒ C. Chairperson and two Members
 - ☐ D. Chairperson and three Members

Q.92 Which organization conducted the successful flight-test of the Long Range Land Attack Cruise Missile (LRLACM) on June 15, 2026?

- Ans**
- ☐ A. Indian Air Force (IAF)
 - ☐ B. Bharat Electronics Limited (BEL)
 - ☒ C. Defence Research & Development Organisation (DRDO)
 - ☐ D. Indian Space Research Organisation (ISRO)

Q.93 Which of the following received the 2026 UNESCO/Guillermo Cano World Press Freedom Prize in recognition of its efforts to defend press freedom and condemn the deliberate targeting of journalists during the ongoing conflict in Sudan?

- Ans**
- ✓ A. Sudanese Journalists Syndicate
 - ✗ B. International Federation of Journalists
 - ✗ C. Reporters Without Borders
 - ✗ D. Committee to Protect Journalists

Q.94 Which two defense organisations successfully tested the Naval Anti-Ship Missile-Short Range (NASM-SR) in April 2026?

- Ans**
- ✗ A. National Investigation Authority and Central Reserve Police Force
 - ✗ B. Armed Forces Special Operations Division and Indian Coast Guard
 - ✗ C. Indian Army and Indian Air Force
 - ✓ D. Defense Research and Development Organisation and the Indian Navy

Q.95 India's 3D-printed Automatic Weather Stations, developed in 2025, are part of which national initiative aimed at improving weather forecasting?

- Ans**
- ✗ A. Mission Meghdoot
 - ✗ B. National Weather Forecasting Mission
 - ✗ C. National Climate Action Plan
 - ✓ D. Mission Mausam

Q.96 Which country topped the medal table at the Winter World University Games, achieved its third consecutive title, won a record 41 medals overall, and set a new record for the highest number of gold medals at a single edition of the Winter Olympics Games, 2026?

- Ans**
- ✓ A. Norway
 - ✗ B. Japan
 - ✗ C. United States of America
 - ✗ D. China

Q.97 When was the Emergency Credit Line Guarantee Scheme (ECLGS) 5.0 launched by the Government of India?

- Ans**
- ✗ A. January 2026
 - ✗ B. March 2026
 - ✗ C. June 2026
 - ✓ D. May 2026

Q.98 In 2026, the Padma Vibhushan was awarded to a notable figure who has made pioneering contributions to Hindustani classical music and is renowned globally as a violin maestro. Which personality is being described?

- Ans**
- ✗ A. Ravi Shankar
 - ✗ B. Bhimsen Joshi
 - ✗ C. Zakir Hussain
 - ✓ D. N Rajam

Q.99 Which venue hosted the India-AI Impact Summit 2026?

- Ans**
- ✓ A. Bharat Mandapam, New Delhi
 - ✗ B. India International Centre, New Delhi
 - ✗ C. Yashobhoomi, New Delhi
 - ✗ D. Vigyan Bhawan, New Delhi

Q.100 _____ birth anniversary of Rabindranath Tagore was observed in India on May 7th, 2026.

- Ans
- ☒ A. 175th
 - ☒ B. 155th
 - ☒ C. 165th
 - ☒ D. 150th



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Gram Gangedi Near Mahaveer Tapobhumi
Test Date	04/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What is the role of a medium in the propagation of sound?

- Ans**
- ☐ A. A medium is not needed for sound to move from one point to another
 - ☐ B. A medium changes sound into light energy for travel
 - ☐ C. A medium blocks sound from moving between places
 - ☒ D. A medium provides particles that carry sound vibrations

Q.2 A reaction occurs when two aqueous salt solutions are mixed, and an insoluble solid forms while the remaining ions stay dissolved in solution. Which type of reaction does this represent?

- Ans**
- ☒ A. Double displacement precipitation reaction
 - ☐ B. Displacement reaction involving metal exchange
 - ☐ C. Decomposition reaction requiring energy input
 - ☐ D. Combination reaction forming single product

Q.3 What would happen to the spread of colors in the spectrum if a second identical prism is placed after the first in an inverted position?

- Ans**
- ☐ A. Only red and violet merge
 - ☐ B. The spectrum shifts to one side
 - ☒ C. The spread of colors recombines to form white light
 - ☐ D. The colors spread further apart

Q.4 Which part of a neuron carries nerve impulses away from the cell body?

- Ans**
- ☐ A. Cilia
 - ☐ B. Flagellum
 - ☒ C. Axon
 - ☐ D. Root hair

Q.5 A child presents with a congenital absence of the vertebral column. Which major body system would be primarily compromised?

- Ans**
- ☐ A. External digestion
 - ☐ B. Respiratory gas exchange
 - ☐ C. Cutaneous respiration
 - ☒ D. Central nervous system protection

Q.6 Complete the analogy.

Platelets : Clotting :: White Blood Cells : _____.

- Ans**
- ☐ A. Connecting Joints
 - ☒ B. Fighting Inflammation
 - ☐ C. Storing Minerals
 - ☐ D. Oxygen Transport

Q.7 What happens when a conductor moves through a magnetic field?

- Ans**
- ☐ A. The conductor heats up.
 - ☐ B. Light is produced in the conductor.
 - ☐ C. The strength of the magnetic field increases.
 - ☒ D. A potential difference is induced across its ends.

Q.8 Why are food webs considered more stable than food chains?

- Ans**
- ☒ A. They display multiple feeding possibilities
 - ☐ B. They do not contain any carnivores
 - ☐ C. They have a larger number of producers
 - ☐ D. They show no energy transfer between trophic levels

Q.9 A teacher prepares three mixtures.

Sugar dissolved in water

Salt dissolved in water

Sand stirred in water

Which of the following is a suspension?

- Ans**
- ☐ A. Only the sugar and water mixture
 - ☐ B. Both Sugar-water mixture & Sand-water mixture
 - ☒ C. Only the sand and water mixture
 - ☐ D. The salt and water mixture

Q.10 Two ice skaters push off from each other on a frictionless surface. What will be observed about their motion?

- Ans**
- ☒ A. Both skaters move away from each other in opposite directions with equal and opposite forces.
 - ☐ B. Both skaters move together in the same direction.
 - ☐ C. Both skaters move in circles around each other.
 - ☐ D. One skater moves while the other remains stationary.

Q.11 Which of the following chemical compounds is mainly responsible for ozone depletion in the upper atmosphere?

- Ans**
- ☐ A. Oxides of nitrogen
 - ☐ B. Methane
 - ☐ C. Sulphur dioxide
 - ☒ D. Chlorofluorocarbons

Q.12 What is required to fully describe the displacement of a moving body?

- Ans**
- ☒ A. Both magnitude and direction
 - ☐ B. Only magnitude
 - ☐ C. Only direction
 - ☐ D. Position at the origin

Q.13 Excessive atmospheric CO_2 increases its dissolution in ocean water. This makes seawater more ____.

- Ans**
- ☐ A. Basic
 - ☒ B. Acidic
 - ☐ C. Oxygenated
 - ☐ D. Neutral

Q.14 Complete oxidation of one mole of ethanol releases how many moles of CO_2 ?

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

Q.15 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Unsaturated hydrocarbons give a yellow flame with black smoke.

Reason (R): They burn completely when oxygen is insufficient.

- Ans**
- ☐ A. A is false, but R is true.
 - ☐ B. Both A and R are true, and 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.16 Which gas is released when a dilute acid reacts with a metal carbonate?

- Ans**
- ☐ A. Nitrogen gas is released
 - ☒ B. Carbon dioxide gas is released
 - ☐ C. Hydrogen gas is released
 - ☐ D. Oxygen gas is released

Q.17 Which structure prevents the backward flow of blood during contractions of the heart?

- Ans**
- ☒ A. Valves
 - ☐ B. Arteries
 - ☐ C. Septa
 - ☐ D. Muscles

Q.18 A patient has reduced oxygen saturation despite normal lung volume. Which condition best explains this?

- Ans**
- ☐ A. Decreased number of alveoli
 - ☐ B. Increased capillary density
 - ☐ C. Increased breathing rate
 - ☒ D. Reduced haemoglobin concentration

Q.19 A student places a candle 25 cm from a convex lens of focal length 15 cm and obtains a real image. What is the magnification of the image formed?

- Ans**
- ☐ A. 0.4
 - ☐ B. -2.5
 - ☐ C. 1.67
 - ☒ D. - 1.5

Q.20 When a non-metal gains electrons, it forms:

- Ans**
- ☐ A. Proton
 - ☐ B. Cation
 - ☐ C. Neutral
 - ☒ D. Anion

Q.21 Which statement best describes the nucleus according to Rutherford's model?

- Ans**
- ☒ A. The nucleus is small, dense, and positively charged.
 - ☐ B. The nucleus is spread out and uncharged.
 - ☐ C. The nucleus is large, light, and negatively charged.
 - ☐ D. The nucleus is hollow and neutral.

Q.22 Which of the following methods prevents corrosion by sacrificing another metal?

- Ans**
- ☒ A. Galvanisation
 - ☐ B. Painting
 - ☐ C. Anodising
 - ☐ D. Alloying

Q.23 Which of the following is NOT necessary for work to be done?

- Ans**
- ☐ A. Displacement must occur
 - ☐ B. Force must act
 - ☐ C. Force and displacement both must be present
 - ☒ D. Energy must be stored

Q.24 A device uses the principle of magnetic fields around a current-carrying conductor to convert electrical energy to mechanical energy. Which device operates on this principle?

- Ans**
- ☐ A. Transformer
 - ☒ B. Electric motor
 - ☐ C. Galvanometer
 - ☐ D. Solar cell

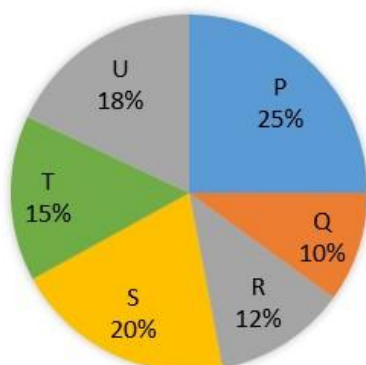
Q.25 A water tank of mass 500 kg is placed on the roof of a building 20 m above the ground. The acceleration due to gravity is $g = 10\text{m/s}^2$. If the tank is moved to the roof of another building that is twice as high as the first building, while its mass remains unchanged, what will be its new gravitational potential energy?

- Ans**
- ☐ A. 100,000 J
 - ☒ B. 200,000 J
 - ☐ C. 50,000 J
 - ☐ D. 400,000 J

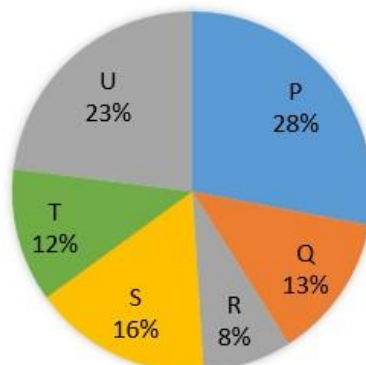
Section : Mathematics

- Q.26** Study the two pie charts and answer the question that follows. The first pie chart shows the percentage distribution of total population of six villages in 2024 and second pie chart shows the percentage distribution of female population in these six villages in 2024.

Total population of
 six villages in 2024 = 1,50,000



Female population of
 six villages in 2024 = 75,000



What is the total number of males in village T and P together?

- Ans** ☒ A. 75,000
☒ B. 60,000
☒ C. 37,500
☒ D. 30,000

- Q.27** The HCF and the LCM of two numbers are 4 and 288, respectively. If one of the numbers is 32, then what is the other number?

- Ans** ☒ A. 18
☒ B. 48
☒ C. 24
☒ D. 36

- Q.28** To a square plot having an area of $x \text{ m}^2$, a strip having an area of $\frac{1}{4}\sqrt{x} \text{ m}^2$ and a patch having an area of $a^2 \text{ m}^2$ are added. If the total area can now be expressed as a perfect square using powers of x and constants, find the positive value of a .

- Ans** ☒ A. $\frac{1}{4}$
☒ B. $\frac{1}{2}$
☒ C. $\frac{1}{8}$
☒ D. $\frac{1}{16}$

- Q.29** Kaushal travelled for 2 hours 55 minutes at the speed of 24 km/h. At what speed (in km/h) should he travel to cover the same distance in 5 hours?

- Ans** ☒ A. 11
☒ B. 12
☒ C. 14
☒ D. 13

Q.30 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 78% and 25%, shop II allows successive discounts of 83% and 29%, shop III allows successive discounts of 33% and 81%, and shop IV allows successive discounts of 84%, 83%, and 82% on the marked price of the cooker.
Which shop is selling the cooker at the lowest price?

- Ans ☒ A. IV
☐ B. II
☐ C. I
☐ D. III

Q.31 The mean and the mode of a set of data are 46.6 and 45.1, respectively. Find the median of the data, using the empirical formula.

- Ans ☐ A. 46.7
☒ B. 46.1
☐ C. 47.9
☐ D. 46.8

Q.32 The average daily wage of 90 workers in a factory is ₹140, and the average daily wage of female workers is ₹130. If one-third of the workers are male, what is the average daily wage of the male workers?

- Ans ☐ A. ₹156
☒ B. ₹160
☐ C. ₹152
☐ D. ₹164

Q.33 If the simple interest earned on a sum for 3 years at 5% per annum is ₹1,500, what was the sum?

- Ans ☐ A. ₹7,000
☐ B. ₹8,000
☐ C. ₹9,000
☒ D. ₹10,000

Q.34 A man can row at 9 km/h in still water. When the river flows at 5 km/h, it takes him 2.4 hours to row to a certain place and return. How far is the place? (Rounded off to 2 decimal places)

- Ans ☐ A. 8.18 km
☐ B. 9.54 km
☐ C. 6.42 km
☒ D. 7.47 km

Q.35 The present salary of an officer is ₹15,000. It was increased by 10% in the first year, decreased by 20% in the second year. What was his salary at the end of the second year?

- Ans ☐ A. ₹13,400
☐ B. ₹13,800
☒ C. ₹13,200
☐ D. ₹13,600

Q.36 A cone has a slant height of 15 cm and the radius of its base is 9 cm. A sector of a circle with a radius of 15 cm and a central angle of 120° is used to make the cone. What is the total surface area of the cone?

- Ans**
- ☐ A. $261\pi \text{ cm}^2$
 - ☒ B. $216\pi \text{ cm}^2$
 - ☐ C. $312\pi \text{ cm}^2$
 - ☐ D. $226\pi \text{ cm}^2$

Q.37 Two numbers are 12 and 18. What is the product of their HCF and LCM?

- Ans**
- ☐ A. 432
 - ☐ B. 324
 - ☒ C. 216
 - ☐ D. 108

Q.38 A shopkeeper buys two watches for ₹1,200 each. He sells the first watch at a profit of 15% and the second watch at a loss of 10%. He then gives ₹100 cashback to the buyer who bought the first watch. What is the shopkeeper's overall profit or loss?

- Ans**
- ☐ A. ₹60 profit
 - ☐ B. ₹30 loss
 - ☒ C. ₹40 loss
 - ☐ D. ₹15 profit

Q.39 Arun had ₹1,681 with him. He divided this amount between his sons, Mahesh and Vijay, and asked them to invest it at a rate of 5% per annum, compounded annually. It was observed that Mahesh and Vijay received the same amount after 14 years and 15 years, respectively. How much money (in ₹) did Arun give to Mahesh?

- Ans**
- ☐ A. 820
 - ☒ B. 861
 - ☐ C. 920
 - ☐ D. 711

Q.40 A sum of money is divided amongst A, B, C and D in the ratio of 3 : 7 : 9 : 13. If the share of D is ₹6,890, then what will be the share of A (in ₹)?

- Ans**
- ☐ A. 1,500
 - ☐ B. 1,530
 - ☒ C. 1,590
 - ☐ D. 1,560

Q.41 The price of petrol increases by 10%. By what percentage must a person reduce consumption so that the total expenditure on petrol increases by only 5%? (Round off your answer to two decimal places.)

- Ans**
- ☐ A. 4.45%
 - ☐ B. 4.35%
 - ☒ C. 4.55%
 - ☐ D. 4.15%

Q.42 Simplify the following.

$$\frac{\sin A - \sin B}{\cos A + \cos B} + \frac{\cos A - \cos B}{\sin A + \sin B} + \frac{2(1 + \cos A)(1 - \sin A)}{(1 - \sin A + \cos A)^2}$$

- Ans ☒ A. $\sec A$
☒ B. 1
☒ C. 0
☒ D. $\sin A$

Q.43 If θ is an acute angle and $9\sin\theta = 5$, then find the value of

$$\frac{2}{3}\sqrt{5 \cot^2\theta - 14 \tan^2\theta}$$

- Ans ☒ A. $\sqrt{\frac{5}{11}}$
☒ B. $\sqrt{\frac{11}{5}}$
☒ C. $\frac{11}{\sqrt{5}}$
☒ D. $\frac{5}{\sqrt{11}}$

Q.44 If a 7-digit number 91056A4 is completely divisible by 3, what is the least value of A?

- Ans ☒ A. 10
☒ B. 1
☒ C. 2
☒ D. 5

Q.45 Two parallel lines are cut by a transversal. If one of the interior angles measures 70° , find the measure of the consecutive interior angle on the same side of the transversal.

- Ans ☒ A. 35°
☒ B. 140°
☒ C. 110°
☒ D. 70°

Q.46 Anshu can do a piece of work in 24 days, and Kajal can do it in 28 days. They work together for 6 days after which Anshu leaves the work, and the remaining work is completed by Kajal alone. In how many days will the entire work be completed?

- Ans ☒ A. 21 days
☒ B. 24 days
☒ C. 18 days
☒ D. 28 days

Q.47 If the area of a rectangle is 12 cm^2 and its diagonal measures 5 cm, then find the perimeter of the rectangle.

- Ans ☒ A. 14 cm
☒ B. 13 cm
☒ C. 16 cm
☒ D. 15 cm

Q.48 A student scored 60 and 80 in two tests with weights 2 and 3, respectively. What is the weighted average score?

- Ans**
- ☒ A. 72
 - ☐ B. 73
 - ☐ C. 70
 - ☐ D. 75

Q.49 A sum of money amounts to ₹1,200 after 4 years and ₹ 2,400 after 8 years at compound interest. What is the principal?

- Ans**
- ☒ A. ₹600
 - ☐ B. ₹575
 - ☐ C. ₹640
 - ☐ D. ₹598

Q.50 If 7 and 20 are two numbers, what is their mean proportional?

- Ans**
- ☐ A. $14\sqrt{10}$
 - ☐ B. $16\sqrt{5}$
 - ☒ C. $2\sqrt{35}$
 - ☐ D. $10\sqrt{15}$

Section : General Intelligence and Reasoning

Q.51 In a certain code language, 'DEAL' is coded as '5714' and 'EARL' is coded as '8541'. How is 'R' coded in that language?

- Ans**
- ☐ A. 5
 - ☐ B. 4
 - ☒ C. 8
 - ☐ D. 1

Q.52 Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only two people have exam before E. Only one person has exam after U. Only three people have exam between E and O. Only one person has exam between L and B. R has exam immediately before L. How many people have exam between T and L?

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

Q.53 In a certain code language,

A ^ B means 'A is the wife of B',
A ! B means 'A is the brother of B',
A £ B means 'A is the father of B' and
A € B means 'A is the sister of B'.

Based on the above, how is P related to U if 'P ^ Q £ S € T ! U'?

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

Q.54 Seven people, P, Q, S, T, U, V, and W, are sitting around a circular table, facing the centre of the table. Only W sits between U and P. P sits third to the left of S. V sits immediately to the left of S. Q is not an immediate neighbour of P. Based on the given information, who is sitting second to the right of T?

- Ans**
- ☐ A. Q
 - ☐ B. P
 - ☐ C. V
 - ☒ D. S

Q.55 What should come in place of ? in the given series based on the English alphabetical order?
ILA KOF MRK OUP ?

- Ans**
- ☐ A. QYV
 - ☐ B. RYU
 - ☒ C. QXU
 - ☐ D. PYW

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 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. ON - KJ
 - ☒ B. ML - IK
 - ☐ C. SR - ON
 - ☐ D. FE - BA

Q.57 This question is based on the following words.

(Left) SKY ITS NOT LTD (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.58 This question is based on the given words.

TEA BUN PEN VAN

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.59 Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

Only three people sit between E and Q when counted from the right of E. E sits second to the left of O. P sits third to the left of O. C is an immediate neighbor of both Q and O.

How many people sit between D and C when counted from the right of D?

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

Q.60 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: QRU :: FGJ : %

- Ans**
- ☐ A. # = LMD , % = KMS
 - ☐ B. # = LMB , % = KMJ
 - ☒ C. # = LMP , % = KLO
 - ☐ D. # = LMH , % = KMP

Q.61 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

16 - 22

13 - 19

- Ans**
- ☐ A. 6 - 16
 - ☒ B. 2 - 8
 - ☐ C. 10 - 17
 - ☐ D. 45 - 59

Q.62 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five people – Riya, Sanjay, Tanu, Umesh, and Varsha – are seated in a single row facing west.

Who is seated third from the left end?

(I) Only one person is sitting between Riya and Sanjay. Tanu is an immediate neighbour of Riya.

(II) Varsha is sitting at the extreme right end, and Umesh is sitting immediately to the left of Varsha.

- Ans**
- ☐ A. Data in Statement I alone is sufficient to answer the question while data in Statement II is not
 - ☒ B. Both statements I and II together are NOT sufficient to answer the question
 - ☐ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
 - ☐ D. Data in Statement II alone is sufficient to answer the question while data in Statement I is not

Q.63 Refer to the given letter and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) K L # O ^ & A M B + S # % @ A S X C V B ? Y \$ % + * S W L P T ? B G % Y (Right)

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

- Ans
- ☒ A. 5
 - ☒ B. 2
 - ☒ C. 3
 - ☒ D. 4

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' and
'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M @ H - Y % U'?

- Ans
- ☒ A. Brother's wife's brother
 - ☒ B. Brother's wife's father
 - ☒ C. Wife's father
 - ☒ D. Wife's brother

Q.65 Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. E has an exam on Thursday. Exactly 4 people have their exam between R and U, neither of whom has an exam on Sunday. Q has an exam immediately before W. T does not have an exam on Friday. R does not have an exam after W. Who has an exam immediately after E?

- Ans
- ☒ A. U
 - ☒ B. R
 - ☒ C. W
 - ☒ D. Y

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?

4 B 2 D 18 A 6 C 3 = ?

- Ans
- ☒ A. 5
 - ☒ B. 8
 - ☒ C. 2
 - ☒ D. 6

Q.67 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?
 $56 - 3 \div 19 + 81 \times 9 = ?$

- Ans
- ☒ A. 175
 - ☒ B. 182
 - ☒ C. 184
 - ☒ D. 178

Q.68 In a certain code language, 'blue sky high' is coded as 'ka pe su' and 'high above all' is coded as 'su qr lm'. How is 'high' coded in the given language? (All the codes are two-letter codes only.)

- Ans**
- ☐ A. qr
 - ☐ B. ka
 - ☐ C. lm
 - ☒ D. su

Q.69 What should come in place of the question mark (?) in the given series?

295 299 308 324 349 ?

- Ans**
- ☐ A. 396
 - ☐ B. 368
 - ☐ C. 371
 - ☒ D. 385

Q.70 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 8 4 5 3 2 4 5 7 8 9 7 8 5 6 4 3 2 1 4 5 6 3 4 (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. None
 - ☐ B. Two
 - ☒ C. One
 - ☐ D. Three

Q.71 Mr. Sangay starts from Point A and drives 26 km towards the north. He then takes a left turn, drives 19 km, turns left and drives 12 km. Next, he takes a right turn, drives 15 km, turns left and drives 42 km. He then takes a left turn and drives 39 km. He takes a final left 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 degree turns only, unless specified.)

- Ans**
- ☐ A. 16 km towards the east
 - ☒ B. 5 km towards the west
 - ☐ C. 12 km towards the north
 - ☐ D. 12 km towards the south

Q.72 Each vowel in the word EXPLAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the left in the new group of letters thus formed?

- Ans**
- ☐ A. C
 - ☒ B. B
 - ☐ C. A
 - ☐ D. D

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.

VAN-AFS
FKX-KPC

- Ans** ☒ A. POH-UZM
☒ B. PUH-UZM
☒ C. UZM-PUC
☒ D. PUH-ZUM

Q.74 Each letter in the word HUMECTS is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans** ☒ A. F
☒ B. N
☒ C. I
☒ D. T

Q.75 Refer to the given 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) * & * 1 % < > 5 \ / * @ 4 1 < + ? * \$ + 8 (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. 3
☒ C. 1
☒ D. 4

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 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. AGL
☒ B. IOU
☒ C. SYD
☒ D. QWB

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.

EIM : OSW
HLP : RVZ

- Ans** ☒ A. LPT : VYC
☒ B. SWA : CGK
☒ C. NRV : XBE
☒ D. GLQ : JNR

Q.78 91 is related to 182 following a certain logic. Following the same logic, 104 is related to 208. To which of the given options is 117 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 256
☐ B. 221
☒ C. 234
☐ D. 243

Q.79 Seven boxes B, F, G, H, R, T and Y kept one over the other but not necessarily in the same order. No box is kept above R. Only three boxes are kept between R and B. Only one box is kept between Y and H. H is kept immediately above B. Only four boxes are kept between Y and G. F is kept at some place above T. How many boxes are kept below T?

- Ans** ☐ A. 2
☒ B. 1
☐ C. 3
☐ D. 4

Q.80 If 2 is added to each even digit and 2 is added to each odd digit in the number 3761254, what will be the sum of the last two and the first two digits in the new number thus formed?

- Ans** ☐ A. 23
☐ B. 20
☐ C. 29
☒ D. 27

Section : General Awareness and Current Affairs

Q.81 Which administrative authority is responsible for conducting the Census 2027 exercise in India?

- Ans** ☐ A. Election Commission of India
☐ B. National Informatics Centre of India
☒ C. Registrar General and Census Commissioner of India
☐ D. Ministry of Statistics and Programme Implementation

Q.82 In May 2026, where did Defence Minister Rajnath Singh inaugurate a private sector defence manufacturing complex in Maharashtra?

- Ans** ☐ A. Tarapur
☐ B. Lasalgaon
☒ C. Shirdi
☐ D. Chakan

Q.83 Which of the following schemes was launched by the Government of India in February 2026?

- Ans** ☐ A. Jal Jeevan Mission
☐ B. PM Vishwakarma Scheme
☒ C. Bharat-VISTAAR
☐ D. PM Kisan Samman Nidhi (PM-KISAN)

Q.84 On June 2nd, 2026, which state celebrated the 12th year of its formation?

- Ans**
- ☒ A. Telangana
 - ☐ B. Chhattisgarh
 - ☐ C. Jharkhand
 - ☐ D. Uttarakhand

Q.85 Who won the gold medal in the men's javelin event at the World Para Athletics Grand Prix 2026 in New Delhi?

- Ans**
- ☐ A. Sundar Singh Gurjar
 - ☒ B. Sumit Antil
 - ☐ C. Mariyappan Thangavelu
 - ☐ D. Devendra Jhajharia

Q.86 Which scheme of the Ministry of MSME achieved a major employment-generation milestone during the 15th Finance Commission period, as reported in May 2026?

- Ans**
- ☒ A. Prime Minister's Employment Generation Programme (PMEGP)
 - ☐ B. Pradhan Mantri Mudra Yojana (PMMY)
 - ☐ C. Skill India Mission (SIM)
 - ☐ D. Deen Dayal Antyodaya Yojana (DAY-NRLM)

Q.87 According to the World Press Freedom Index 2026, released by Reporters Without Borders (RSF), which country ranked 1st — a position it has now held for 10 consecutive years?

- Ans**
- ☐ A. Denmark
 - ☐ B. Finland
 - ☒ C. Norway
 - ☐ D. Sweden

Q.88 Within what period must every National Sports Body amend its bye-laws to bring them into conformity with the National Sports Governance Act, 2025, and the Rules, 2026?

- Ans**
- ☒ A. Six months
 - ☐ B. Twelve months
 - ☐ C. Nine months
 - ☐ D. Three months

Q.89 Which bird sanctuary in Uttar Pradesh was included in the list of Ramsar sites in April 2026?

- Ans**
- ☐ A. Vedanthangal Bird Sanctuary
 - ☒ B. Shekha Jheel Bird Sanctuary
 - ☐ C. Chitrangudi Bird Sanctuary
 - ☐ D. Udhwa Lake Bird Sanctuary

Q.90 Where was PRAGATI 2026, a major multilateral military exercise led by India with participation from 12 friendly nations, held in May 2026?

- Ans**
- ☐ A. Rajasthan
 - ☒ B. Meghalaya
 - ☐ C. Assam
 - ☐ D. Punjab

Q.91 In April 2026, the Union Government officially operationalised India's first dedicated venture capital fund for space startups to accelerate the private space tech ecosystem. What is the official name of this fund?

- Ans**
- ☐ A. IN-SPACe Seed Capital Fund
 - ☐ B. Digital Space Bharat Nidhi
 - ☒ C. Antariksh Venture Capital Fund
 - ☐ D. National DeepTech Fund of Funds

Q.92 At the 2026 Laureus World Sports Awards, who received the Laureus World Sportsman of the Year Award?

- Ans**
- ☒ A. Carlos Alcaraz
 - ☐ B. Max Verstappen
 - ☐ C. Roger Federer
 - ☐ D. Jannik Sinner

Q.93 The PM Surya Ghar: Muft Bijli Yojana, under which more than 26 lakh households had benefited by December 2025, contributes most directly to which Sustainable Development Goal (SDG) through promotion of rooftop solar energy and reduction of dependence on fossil fuels?

- Ans**
- ☐ A. SDG 12
 - ☐ B. SDG 9
 - ☐ C. SDG 15
 - ☒ D. SDG 7

Q.94 The Budget for 2026–27 provides an allocation of ₹924.35 crore for which of the following missions?

- Ans**
- ☐ A. Swachh Bharat Mission
 - ☒ B. Khelo India Mission
 - ☐ C. National Health Mission
 - ☐ D. Smart Cities Mission

Q.95 Who released a commemorative book on Operation Sindoor in May 2026, featuring personal testimonies of 100 officers, sailors, airmen and soldiers who participated in the mission?

- Ans**
- ☐ A. Droupadi Murmu
 - ☐ B. Narendra Modi
 - ☒ C. Rajnath Singh
 - ☐ D. Amit Shah

Q.96 Which specific launch vehicle was used to carry the NISAR satellite into orbit from Sriharikota in 2025?

- Ans**
- ☐ A. Falcon 9
 - ☐ B. LVM3-M4
 - ☒ C. GSLV-F16
 - ☐ D. PSLV-C58

Q.97 South Coast Railway (SCoR), which became operational from June 1, 2026, is India's _____.

- Ans**
- ☐ A. 16th railway zone
 - ☐ B. 14th railway zone
 - ☐ C. 20th railway zone
 - ☒ D. 18th railway zone

Q.98 What does SHAKTI stand for in the Biopharma SHAKTI initiative announced in the Union Budget 2026–27?

- Ans**
- ✓ A. Strategy for Healthcare Advancement through Knowledge, Technology and Innovation
 - ✗ B. Strategic Hub for Artificial Knowledge and Technical Integration
 - ✗ C. Sustainable Health Advancement through Knowledge and Technological Integration
 - ✗ D. Scientific Health and Advanced Knowledge for Translational Innovation

Q.99 From which test range did DRDO successfully conduct three flight tests of the Very Short Range Air Defence System (VSHORADS) in February 2026?

- Ans**
- ✗ A. Pokhran Field Range, Rajasthan
 - ✗ B. Balasore Missile Complex, West Bengal
 - ✗ C. Thumba Equatorial Rocket Range, Kerala
 - ✓ D. Integrated Test Range, Chandipur

Q.100 In May 2026, Prime Minister Narendra Modi received which of the following prestigious honours from Sweden?

- Ans**
- ✓ A. Royal Order of the Polar Star, Degree Commander Grand Cross
 - ✗ B. Royal Order of the Golden Star, Degree Commander Grand Cross
 - ✗ C. Royal Order of the Silver Star, Degree Commander Grand Cross
 - ✗ D. Royal Order of the Northern Star, Degree Commander Grand Cross



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	04/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A physics teacher asks students to create a scenario where a concave mirror is used for shaving to get a large, upright image of the face. Where must the face be positioned relative to the mirror for this result?

- Ans**
- ☐ A. Beyond the centre of curvature of the mirror
 - ☐ B. At the focus of the mirror
 - ☒ C. Between the pole and the focus of the mirror
 - ☐ D. At the centre of curvature of the mirror

Q.2 A lever provides mechanical advantage greater than 1 when ____.

- Ans**
- ☐ A. Both arms are equal
 - ☒ B. Effort arm is longer than load arm
 - ☐ C. Load arm is longer than effort arm
 - ☐ D. Fulcrum is absent

Q.3 Which statement correctly shows that a chemical change is different from a physical change?

- Ans**
- ☐ A. Chemical change affects only size and shape, while physical change affects composition.
 - ☐ B. Chemical change changes only appearance, while physical change forms new substances.
 - ☐ C. Chemical change is always reversible, while physical change is never reversible.
 - ☒ D. Chemical change results in a new substance, while physical change does not.

Q.4 Which enzyme released by the gastric glands helps digest proteins in the stomach?

- Ans**
- ☐ A. Amylase
 - ☐ B. Lipase
 - ☒ C. Pepsin
 - ☐ D. Maltase

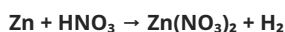
Q.5 In animals, anaerobic respiration primarily results in the formation of ____.

- Ans**
- ☒ A. Lactic acid
 - ☐ B. Glucose
 - ☐ C. Water
 - ☐ D. Carbon dioxide

Q.6 When a zinc strip is dipped into a solution of iron(II) sulphate, what will happen?

- Ans**
- ☐ A. Zinc gets coated with iron oxide.
 - ☒ B. Zinc displaces iron from the solution.
 - ☐ C. Iron deposits on zinc, and hydrogen gas is evolved.
 - ☐ D. No reaction occurs

Q.7 A student writes the skeletal equation for the reaction of zinc with nitric acid.



After balancing the equation with the **smallest whole number coefficients**, what will be the **sum of all coefficients** in the balanced equation?

- Ans**
- ☐ A. 8
 - ☐ B. 6
 - ☐ C. 7
 - ☒ D. 5

Q.8 In plants, growth is restricted to specific regions because of the presence of dividing tissues, which are also known as _____.

- Ans**
- ☒ A. Meristematic tissues
 - ☐ B. Supportive tissues
 - ☐ C. Vascular tissues
 - ☐ D. Permanent tissues

Q.9 Which quantity can never be negative in one-dimensional motion?

- Ans**
- ☐ A. Change in position
 - ☐ B. Velocity
 - ☒ C. Path length
 - ☐ D. Displacement

Q.10 What does the valency of an element indicate?

- Ans**
- ☒ A. The combining capacity of an atom in chemical reactions
 - ☐ B. The mass of the atom measured in atomic mass units
 - ☐ C. The total number of neutrons present in the nucleus
 - ☐ D. The total number of electron shells present in an atom

Q.11 If a non-biodegradable chemical enters the food chain at a concentration of 0.02 ppm in water, what will happen over time?

- Ans**
- ☐ A. It will disappear completely from the ecosystem
 - ☐ B. Its concentration will decrease at higher trophic levels
 - ☐ C. It will remain only within the producers
 - ☒ D. It will show maximum accumulation at the highest trophic level

Q.12 Which combination of conditions is most likely to lead to the formation of petroleum from marine sediments?

- Ans**
- ☐ A. Low pressure, high temperature, aerobic conditions
 - ☒ B. High pressure, high temperature, anaerobic conditions
 - ☐ C. Low temperature, low pressure, aerobic conditions
 - ☐ D. High temperature, low pressure, aerobic conditions

Q.13 Which type of plant movement is caused by growth in response to a stimulus?

- Ans**
- ☐ A. Rapid contraction
 - ☐ B. Circular growth
 - ☐ C. Random growth
 - ☒ D. Directional growth

Q.14 A fungal culture in a laboratory is observed to grow best when kept in a warm and moist incubator. Which aspect of its biology is directly influenced by these conditions?

- Ans**
- ☒ A. Optimal spore germination and growth
 - ☐ B. High energy storage in vacuoles
 - ☐ C. Maximum rate of cell division
 - ☐ D. Increased pigment production

Q.15 Why does a metal filament bulb glow when electric current passes through it?

- Ans**
- ☐ A. The filament is magnetized by the current
 - ☒ B. The filament offers resistance, converting electrical energy to heat and light
 - ☐ C. The filament conducts current with zero resistance
 - ☐ D. A chemical reaction in the filament produces light

Q.16 When a ray of light passes through a triangular glass prism, the emergent ray is generally not parallel to the incident ray. Which of the following best explains this observation?

- Ans**
- ☐ A. The parallel faces of the prism produce equal refractions that cancel each other.
 - ☒ B. The two refracting faces of the prism are inclined to each other, causing an overall deviation of the light ray.
 - ☐ C. The light ray passes through the prism uniformly without any change in direction.
 - ☐ D. The light ray undergoes complete reflection at both faces of the prism.

Q.17 A child swings on a swing. At which point is the child's kinetic energy the greatest, based on the law of conservation of energy?

- Ans**
- ☐ A. Kinetic energy is equal at all points
 - ☐ B. In the middle between highest and lowest points
 - ☐ C. At the highest point of the swing
 - ☒ D. At the lowest point of the swing

Q.18 Which scenario does NOT correctly represent an action-reaction pair as per Newton's third law?

- Ans**
- ☒ A. A book pressing down on a table and gravity pulling the book down
 - ☐ B. Rocket exhaust gases pushing backward and air pushing the rocket forward
 - ☐ C. Feet pushing the ground and the ground pushing back while walking
 - ☐ D. A bat hitting a ball and the ball pushing back on the bat

Q.19 What is the principal mechanism by which soap removes oily dirt from fabrics?

- Ans**
- ☐ A. Soap evaporates water content and separates dirt through sublimation
 - ☐ B. Soap chemically reacts with oil to convert it into soluble alcohol
 - ☐ C. Soap increases viscosity and dissolves impurities directly in water
 - ☒ D. Soap molecules reduce surface tension and form micelles trapping dirt

Q.20 A science project requires a variable resistor to adjust the current in a circuit. Which symbol should be used in the schematic diagram to represent this component?

- Ans**
- ☐ A. A simple zigzag line
 - ☒ B. A zigzag line with an arrow across it
 - ☐ C. A straight line with a gap and bridge
 - ☐ D. Parallel long and short lines

Q.21 How can ultrasound be used to detect flaws in a metal block?

- Ans**
- ☐ A. By observing visible movement inside the block
 - ☒ B. By measuring the reflection of waves at internal cracks
 - ☐ C. By heating the block with the ultrasound
 - ☐ D. By measuring the color of the metal

Q.22 A woman experiences heavy and prolonged menstrual bleeding. Her doctor suspects a problem related to the endometrium. Which physiological process is most directly affected to cause this symptom?

- Ans**
- ☐ A. Decreased ovarian hormone production
 - ☒ B. Excessive shedding of endometrial tissue
 - ☐ C. Delayed release of the ovum
 - ☐ D. Reduced blood vessel formation

Q.23 An element X forms an ion X^{2+} . If the neutral atom of X has 20 electrons, how many electrons are present in the ion?

- Ans**
- ☐ A. 24
 - ☐ B. 22
 - ☒ C. 18
 - ☐ D. 20

Q.24 A tribal community identifies wild mushrooms for food and medicine. Which property is most relevant to their nutritional and medicinal value?

- Ans**
- ☒ A. High content of bioactive compounds
 - ☐ B. Rapid spore production capability
 - ☐ C. Structural similarity to plants
 - ☐ D. Colorful cap pattern presence

Q.25 Why is maintaining a specific pH crucial for digestive enzymes in the human stomach?

- Ans**
- ☐ A. To prevent the growth of harmful bacteria
 - ☐ B. To absorb water more efficiently
 - ☒ C. To ensure the correct shape and activity of enzymes like pepsin
 - ☐ D. To neutralise excess stomach acid

Section : Mathematics

Q.26 Simplify: $\sqrt{(272)^2 - (128)^2}$.

- Ans**
- ☒ A. 240
 - ☐ B. 144
 - ☐ C. 200
 - ☐ D. 256

Q.27 A trader gains 50% by selling an article after two successive discounts of 25% and 80% on its marked price. If the cost price of the article is increased by 74%, then what single discount should he now give on the same marked price to get the same profit percentage as earlier?

- Ans**
- ☐ A. 66.56%
 - ☒ B. 73.9%
 - ☐ C. 72.62%
 - ☐ D. 69.5%

Q.28 Mr. X borrowed an amount of ₹50,000 for 40 months. If he repaid ₹1,625 as monthly installment, then find the simple rate of interest.

- Ans**
- ☒ A. 9%
 - ☐ B. 6.8%
 - ☐ C. 8%
 - ☐ D. 7.5%

Q.29 Let A be a regular polygon such that each interior angle of A exceeds its exterior angle by 120° . Find the number of sides of A.

- Ans**
- ☐ A. 18
 - ☒ B. 12
 - ☐ C. 10
 - ☐ D. 15

Q.30 What is the average of 2, 4, 6, and 8?

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

Q.31 The sum of the present ages of a mother and her daughter is 50 years. Five years ago, the mother was seven times as old as her daughter. What is the present age of the daughter?

- Ans**
- ☐ A. 11 years
 - ☒ B. 10 years
 - ☐ C. 14 years
 - ☐ D. 12 years

Q.32 If the numbers 25, 35, 45.2, and x are in proportion, find the value of x.

- Ans**
- ☐ A. 52.56
 - ☐ B. 70.78
 - ☒ C. 63.28
 - ☐ D. 56.23

Q.33 In an election, a total of 8,000 votes were cast. Candidate X received 55% of the total votes. Find the number of votes received by candidate X.

- Ans**
- ☒ A. 4,400
 - ☐ B. 4,600
 - ☐ C. 4,200
 - ☐ D. 4,000

Q.34 A train 500 m long and traveling at 72 km/h crosses another train 410 m long and moving at 54 km/h in the opposite direction. How much time will it take for the trains to completely cross each other?

- Ans**
- ☐ A. 32 seconds
 - ☒ B. 26 seconds
 - ☐ C. 18 seconds
 - ☐ D. 40 seconds

Q.35 The compound interest (in ₹, rounded off to the nearest tens) on ₹12,000 at the rate of 10% per annum for 1.5 years, if interest is compounded half-yearly, is:

- Ans**
- ☐ A. 1,870
 - ☐ B. 1,980
 - ☐ C. 1,970
 - ☒ D. 1,890

Q.36 A trader purchases oil at ₹500 per barrel. He first increases the price by 20% and later decreases the increased price by 10%. What is the final price per barrel?

- Ans**
- ☐ A. ₹560
 - ☐ B. ₹500
 - ☐ C. ₹550
 - ☒ D. ₹540

Q.37 If $\cos\theta + \cos^2\theta = \sec^2\theta - \tan^2\theta$, then the value of $\sin^2\theta + \sin^4\theta$ is:

- Ans**
- ☒ A. 1
 - ☐ B. cosec θ
 - ☐ C. 0
 - ☐ D. cos $^2\theta$

Q.38 A dealer buys an article at a discount of 25% on its list price and marks it at 35% above the list price. If he allows a discount of 20% on the new marked price, find his profit percent.

- Ans**
- ☐ A. 42%
 - ☐ B. 34%
 - ☐ C. 36%
 - ☒ D. 44%

Q.39 A water tank has two inlet pipes A and B, and one outlet pipe C. Pipe A alone can fill the tank in 12 hours, pipe B alone can fill it in 18 hours, and pipe C alone can empty the full tank in 24 hours. If all three pipes are opened together, in how much time will the tank be filled? (Rounded off to one decimal place)

- Ans**
- ☒ A. 10.3 hours
 - ☐ B. 9.5 hours
 - ☐ C. 12.5 hours
 - ☐ D. 11.2 hours

Q.40 If one dozen notebooks cost ₹360, then what will be the cost of 5 such notebooks?

- Ans**
- ☐ A. ₹180
 - ☒ B. ₹150
 - ☐ C. ₹120
 - ☐ D. ₹160

Q.41 A train leaves Station A for Station B at 7:00 a.m., traveling at a speed of 80 km/h. Another train leaves Station B for Station A at 8:30 a.m., traveling at 100 km/h on the same track. If the distance between the two stations is 550 km, at what time will the two trains meet each other?

- Ans**
- ☐ A. 10:52:20 a.m.
 - ☐ B. 10:53:21 a.m.
 - ☐ C. 10:35:20 a.m.
 - ☒ D. 10:53:20 a.m.

Q.42 The volume and height of a cylinder are 1232 cm^3 and 24.5 cm , respectively. Find the radius (in cm) of the cylinder. (Use $\pi = 22/7$)

- Ans
- ☐ A. 11
 - ☐ B. 10
 - ☐ C. 5
 - ☒ D. 4

Q.43 If a 7-digit number 87321A6 is completely divisible by 6, what is the least value of A?

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

Q.44 For an acute angle θ , if $\sin\theta + \cos\theta = \sqrt{2}$, find the value of $\sin^4\theta + \cos^4\theta$.

- Ans
- ☐ A. 1
 - ☐ B. $\frac{1}{4}$
 - ☐ C. $\frac{1}{\sqrt{2}}$
 - ☒ D. $\frac{1}{2}$

Q.45 Find the fourth proportional to 2.5, 4, and 10.

- Ans
- ☐ A. 18
 - ☐ B. 12
 - ☐ C. 14
 - ☒ D. 16

Q.46 Calculate the mean of the following numbers: 283, 261, 253, 175, 186 and 192

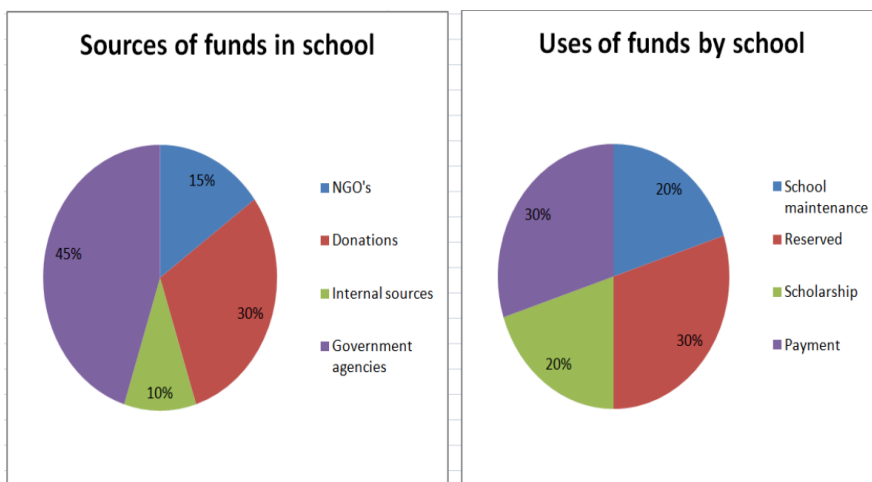
- Ans
- ☐ A. 230
 - ☐ B. 235
 - ☐ C. 220
 - ☒ D. 225

Q.47 A regular hexagonal garden has each side measuring 21 m. A circular fountain of radius 7 m is built at the centre. Find the area (rounded off to one decimal place) of the remaining garden.

$\left(\text{Use } \pi = \frac{22}{7} \text{ and } \sqrt{3} = 1.73 \right)$

- Ans
- ☐ A. 981.4 m^2
 - ☐ B. 996.4 m^2
 - ☒ C. 990.4 m^2
 - ☐ D. 986.4 m^2

- Q.48** Study the following pie charts carefully and answer the question given below it.
 The entire fund that school gets from different sources is equal to ₹700 lakh.
 If the school managed school maintenance from the government agencies fund only, how much fund (in ₹) from government agencies would still be left for other uses?



- Ans**
- ☒ A. 155 lakh
 - ☒ B. 185 lakh
 - ☒ C. 175 lakh
 - ☒ D. 165 lakh

- Q.49** If the mean of the following data is 49, then what is the value of x?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	24	34	15	36	x

- Ans**
- ☒ A. 61
 - ☒ B. 56
 - ☒ C. 84
 - ☒ D. 77

- Q.50** A certain sum of money is invested at simple interest for 3 years at 3% per annum. The simple interest earned is equal to half of the compound interest earned on ₹6,000 invested for 2 years at 6% per annum, compounded annually. Find the sum invested at simple interest.

- Ans**
- ☒ A. ₹4,120
 - ☒ B. ₹4,350
 - ☒ C. ₹3,890
 - ☒ D. ₹3,650

Section : General Intelligence and Reasoning

- Q.51** In a certain code language,
 $A \wedge B$ means 'A is the father of B',
 $A \# B$ means 'A is the brother of B',
 $A \Omega B$ means 'A is the daughter of B' and
 $A \pm B$ means 'A is the wife of B'.

Based on the above, how is C related to R if ' $C \Omega L \wedge M \pm P \# R$ '?

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

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 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. DBX
☒ B. JHE
☒ C. ECZ
☒ D. RPM

Q.53 In a certain code language, 'NUKE' is coded as '6148' and 'UREN' is coded as '9418'. What is the code for 'R' in the given code language?

- Ans** ☒ A. 1
☒ B. 8
☒ C. 4
☒ D. 9

Q.54 What should come in place of ? in the given series based on the English alphabetical order?
YDB UHE QLH MPK ?

- Ans** ☒ A. NTO
☒ B. NTL
☒ C. ITN
☒ D. OPS

Q.55 What should come in place of the question mark (?) in the given series?

185 210 246 295 359 ?

- Ans** ☒ A. 433
☒ B. 411
☒ C. 440
☒ D. 401

Q.56 Amit is standing in a row of 35 people facing north. He is 10th from the left end. If Sunil stands 5th to the left of Amit, what is Sunil's position from the left end?

- Ans** ☒ A. 8th
☒ B. 5th
☒ C. 11th
☒ D. 6th

Q.57 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) B G P W P Z L Q J K V I V Z E R I F F M I (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. One
☒ B. Four
☒ C. Three
☒ D. Two

Q.58 This question is based on the given words.

RED BUS HOP FIT

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.59 This question is based on the following words.

FUN TOP MIX LED

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.60 A, B, C, D, E, and F are sitting in a circle, facing the center. D sits to the immediate left of F. B sits third to the right of D. Only two people sit between E and C when counted from the left of E. A is the immediate neighbor of E. How many people sit between F and B when counted from the left of B?

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

Q.61 In a certain code language, 'BOST' is coded as '7816' and 'STOM' is coded as '8764'. What is the code for 'M' in the given code language?

- Ans**
- ☒ A. 8
 - ☒ B. 6
 - ☒ C. 7
 - ☒ D. 4

Q.62 How many meaningful five-letter English words can be formed using O, N, W, M and A using all the letters but each letter only once in each word?

- Ans**
- ☒ A. More than two
 - ☒ B. One
 - ☒ C. Two
 - ☒ D. None

Q.63 If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?
 $68 - 2 \div 21 + 63 \times 9 = ?$

- Ans**
- ☒ A. 150
 - ☒ B. 170
 - ☒ C. 160
 - ☒ D. 140

Q.64 Refer to the given letter and symbol series and answer the question that follows.

(Left) L P # & M N + A S \$ % @ H J L P @ & X ? W B H P L & + X Z F % ? W @ P L (Right)

If all the symbols are dropped, then how many letters are there in the English alphabetical series between the letter that is fourth from the right end and the letter that is fourth from the left end of the series?

Ans ☒ A. 10

☒ B. 7

☒ C. 8

☒ D. 5

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 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. RT - WY

☒ B. KM - PR

☒ C. PR - UW

☒ D. DF - IL

Q.66 In a class of 27 students, Neha is ranked 6th from the top. What is her rank from the bottom?

Ans ☒ A. 20th

☒ B. 22nd

☒ C. 21st

☒ D. 23rd

Q.67 RKZG is related to MEUA in a certain way based on the English alphabetical order. In the same way, JNCL is related to EHXF. To which of the following is ADMQ related to, following the same logic?

Ans ☒ A. WYIJ

☒ B. VYHJ

☒ C. WXYK

☒ D. VXHK

Q.68 Six people C, D, E, O, P and Q are sitting in a row facing north. Only two people sit to the left of Q. Only two people sit between Q and O. P sits second to the left of O. Only one person sits between P and E. D sits at some place to the left of C. How many people sit to the right of D?

Ans ☒ A. Five

☒ B. Two

☒ C. Three

☒ D. Four

Q.69 In a certain code language, 'BARK' is coded as '1849' and 'RACK' is coded as '6941'. What is the code for 'C' in the given code language?

Ans ☒ A. 4

☒ B. 1

☒ C. 6

☒ D. 9

Q.70 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 10 - 12 - 24
12 - 14 - 16 - 32

- Ans** ☒ A. 11 - 13 - 15 - 32
☒ B. 10 - 12 - 14 - 28
☒ C. 16 - 18 - 20 - 28
☒ D. 9 - 11 - 13 - 24

Q.71 39 is related to 117 following a certain logic. Following the same logic, 46 is related to 138. To which of the given options is 54 related, following the same logic?

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

- Ans** ☒ A. 168
☒ B. 156
☒ C. 174
☒ D. 162

Q.72 The position(s) of how many letters will remain unchanged if each of the letters in the word BYCEPAL is arranged in the English alphabetical order?

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

Q.73 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VWS :: YZV : %

- Ans** ☒ A. # = WXS , % = WXT
☒ B. # = WZV , % = XYU
☒ C. # = WXT , % = XXV
☒ D. # = WXT , % = XYU

Q.74 If '+' means 'subtraction', '-' means 'multiplication', '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$15 \times 5 \div 12 - 2 + 11 = ?$

- Ans** ☒ A. 23
☒ B. 20
☒ C. 27
☒ D. 16

Q.75 K is married to M. E is the mother of V. T is married to E. M is the sister of V. How is T related to K?

- Ans**
- ☐ A. Husband's mother
 - ☐ B. Wife's sister
 - ☐ C. Sister's husband
 - ☒ D. Wife's father

Q.76 Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. T has an exam on Friday. Exactly three people have an exam between R and U, neither of whom has an exam on Sunday. W has an exam immediately after E. Q has an exam immediately before U. Who has an exam immediately after W?

- Ans**
- ☐ A. R
 - ☒ B. T
 - ☐ C. E
 - ☐ D. U

Q.77 Mr. Norzang starts from Point A and drives 19 km towards South. He then takes a right turn, drives 29 km, turns right and drives 12 km. He then takes a right turn and drives 16 km. He then takes a right turn, drives 8 km, turns left and drives 2 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? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ A. 11 km to the West
 - ☒ B. 11 km to the East
 - ☐ C. 7 km to the South
 - ☐ D. 7 km to the North

Q.78 Refer to the given letter, number and symbol series and answer the question that follows. Counting to be done from left to right.

(Left) H 5 K & D # 6 G 7 A L % J Q 4 B F 9 @ Y 2 P S 8 C (Right)

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

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

Q.79 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?

4 S 5 P 21 Q 7 R 1 = ?

- Ans**
- ☐ A. 30
 - ☐ B. 44
 - ☐ C. 39
 - ☒ D. 34

Q.80 KG 1 is related to MH 4 in a certain way. In the same way, OQ 9 is related to QR 12. To which of the given options is SM 5 related, following the same logic?

- Ans**
- ☐ A. NQ 12
 - ☒ B. UN 8
 - ☐ C. NP 14
 - ☐ D. OP 14

Section : General Awareness and Current Affairs

Q.81 In which city did Indian Railways inaugurate the CHIRAG Centre in May 2026 to modernise HR governance through AI?

- Ans** ☒ A. Hyderabad
☐ B. Bhopal
☐ C. Kolkata
☐ D. Kanpur

Q.82 In the Union Budget 2026–27, a provision of ₹1,000 crore was made for the India Semiconductor Mission (ISM) 2.0 with a strong emphasis on which of the following?

- Ans** ☒ A. Drive industry-led research and training centres
☐ B. Expand public sector manufacturing units
☐ C. Promote foreign direct investment in mining
☐ D. Increase subsidies for mineral exports

Q.83 Which boxer secured gold in the women's 51 kg category at the World Boxing Futures Cup 2026?

- Ans** ☒ A. Chandrika Pujari
☐ B. Nitu Ghanghas
☐ C. Lovlina Borgohain
☐ D. Radhamani Longjam

Q.84 In May 2026 which organizations conducted the maiden flight-trial of the Tactical Advanced Range Augmentation (TARA) weapon?

- Ans** ☐ A. Indian Air Force and Bharat Dynamics Limited
☐ B. Indian Navy and Defence Research and Development Organisation
☐ C. Indian Army and Defence Research and Development Organisation
☒ D. Defence Research and Development Organisation and Indian Air Force

Q.85 Who is the author of the book "Tides of Time: Bharat's History through Murals in Parliament", which was launched by Vice-president of India Shri. C. P. Radhakrishnan in April 2026?

- Ans** ☐ A. Smt. Droupadi Murmu
☐ B. Shri. Robin Sharma
☐ C. Shri. Chetan Bhagat
☒ D. Smt. Sudha Murthy

Q.86 Which two countries adopted the Rule of Implementation of the Joint Crediting Mechanism under Article 6.2 of the Paris Agreement in June 2026?

- Ans** ☐ A. India and Brazil
☐ B. Japan and France
☒ C. India and Japan
☐ D. India and France

Q.87 What is the official name of the new road safety welfare initiative launched by the government in February 2026 under S.O. 952(E)?

- Ans** ☒ A. PM-RAHAT
☐ B. PM-KAVACH
☐ C. PM-UPCHAAR
☐ D. PM-SURAKSHA

Q.88 Who created IPL history by becoming the Indian batter with the most sixes in a single season in May 2026?

- Ans**
- ☐ A. Abhishek Sharma
 - ☒ B. Vaibhav Sooryavanshi
 - ☐ C. Priyansh Arya
 - ☐ D. Ishan Kishan

Q.89 In January 2026, the Economic Survey 2025–26 was presented in Parliament before which event?

- Ans**
- ☐ A. Release of Census Report
 - ☒ B. Presentation of Union Budget
 - ☐ C. Announcement of Monetary Policy
 - ☐ D. Publication of Labour Survey

Q.90 In February 2026, which country hosted the 13th Asia-Pacific Forum on Sustainable Development (APFSD)?

- Ans**
- ☒ A. Thailand
 - ☐ B. Indonesia
 - ☐ C. Japan
 - ☐ D. India

Q.91 In a unique move to combat bribery in public offices, which state government launched 'Project Zero' in May 2026, offering a cash reward to citizens who submit visual evidence of bribe demands?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Karnataka
 - ☐ C. Tamil Nadu
 - ☒ D. Kerala

Q.92 In March 2026, which organization was replaced by the National Dental Commission (NDC) in India as part of recent reforms?

- Ans**
- ☐ A. Dental Board of India
 - ☐ B. Indian Dental Association
 - ☒ C. Dental Council of India
 - ☐ D. National Dental Authority

Q.93 The Jan Vishwas (Amendment of Provisions) Bill, 2026, targets 784 provisions across 79 Central Acts. What is the primary legal mechanism proposed by this Bill to simplify regulatory compliance?

- Ans**
- ☐ A. It waives all minor monetary penalties.
 - ☒ B. It swaps criminal charges for civil penalties.
 - ☐ C. It hands law enforcement to state police.
 - ☐ D. It moves all disputes to higher courts.

Q.94 Which of the following sportspersons was awarded the Padma Shri award 2026 as a para-athlete?

- Ans**
- ☒ A. Praveen Kumar
 - ☐ B. Rohit Sharma
 - ☐ C. Savita Punia
 - ☐ D. K. Pajanivel

Q.95 The ICC Men's T20 World Cup 2026 was jointly hosted by which of the following countries?

- Ans**
- ☒ A. India and Sri Lanka
 - ☐ B. Pakistan and United Arab Emirates
 - ☐ C. Pakistan and Sri Lanka
 - ☐ D. Pakistan and Bangladesh

Q.96 What is the name of the indigenous missile whose final trials was successfully completed in both air-to-ground and air-to-air modes by DRDO in May 2026?

- Ans**
- ☒ A. ULPGM-V3
 - ☐ B. ULPGM-V4
 - ☐ C. ULPGM-V5
 - ☐ D. ULPGM-V2

Q.97 According to the TIME100 list of the 100 Most Influential People of 2026, which individual appeared on the list for the most times — making his 14th appearance?

- Ans**
- ☐ A. Donald Trump
 - ☐ B. Sundar Pichai
 - ☐ C. Benjamin Netanyahu
 - ☒ D. Xi Jinping

Q.98 Which ministry of the Government of India released the Thematic SDG Bulletin – 'Planet in Focus: Advancing Environmental Sustainability under the SDGs' in March 2026?

- Ans**
- ☐ A. Ministry of Environment, Forest and Climate Change
 - ☐ B. Ministry of Rural Development
 - ☐ C. Ministry of Panchayati Raj
 - ☒ D. Ministry of Statistics and Programme Implementation

Q.99 Which Indian politician in May 2026 received the prestigious Food and Agriculture Organization (FAO) Agricola Medal in Rome for their contributions to sustainable agriculture?

- Ans**
- ☐ A. Droupadi Murmu
 - ☐ B. Amit Shah
 - ☐ C. Chandrababu Naidu
 - ☒ D. Narendra Modi

Q.100 During the National Conclave on "Minorities Welfare Inclusive Development through AI for Viksit Bharat" held on 14th May, 2026, which primary technological driver did the ministry seek to integrate into welfare programs?

- Ans**
- ☐ A. Geospatial remote sensing satellites
 - ☐ B. Blockchain ledger security networks
 - ☒ C. Artificial Intelligence (AI) solutions
 - ☐ D. Quantum computing network nodes



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone IDZ Powai
Test Date	04/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Why are non-biodegradable wastes considered more dangerous than biodegradable wastes?

- Ans
- ✓ A. They persist in the environment
 - ✗ B. They release oxygen
 - ✗ C. They decompose rapidly
 - ✗ D. They increase the microbial activity

Q.2 Which defect occurs when the eye lens loses its ability to focus on near objects due to decreased flexibility?

- Ans
- ✓ A. Presbyopia results from reduced lens flexibility
 - ✗ B. Astigmatism results from reduced lens flexibility
 - ✗ C. Myopia results from reduced lens flexibility
 - ✗ D. Hypermetropia results from reduced lens flexibility

Q.3 If 25 g of salt is dissolved in 175 g of water, what is the concentration of the solution in mass percentage?

- Ans
- ✗ A. 10%
 - ✗ B. 18%
 - ✗ C. 15%
 - ✓ D. 12.5%

Q.4 In human beings, the respiratory pigment that carries oxygen is ____.

- Ans
- ✗ A. insulin
 - ✗ B. myosin
 - ✗ C. chlorophyll
 - ✓ D. haemoglobin

Q.5 Match the compound to its respective mass ratio by elements from the table given below.

Compound	Mass Ratio by Elements
1. Water (H ₂ O)	A. 1 : 8
2. Carbon dioxide (CO ₂)	B. 14 : 3
3. Ammonia (NH ₃)	C. 3 : 8
4. Sulphur dioxide (SO ₂)	D. 1 : 1

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

Q.6 If hydrochloric acid (HCl) reacts with sodium hydroxide (NaOH), which ions from each reactant participate in forming water?

- Ans**
- ☐ A. Na⁺(aq) from NaOH and Cl⁻(aq) from HCl
 - ☐ B. H⁺(aq) from NaOH and OH⁻(aq) from HCl
 - ☒ C. H⁺(aq) from HCl and OH⁻(aq) from NaOH
 - ☐ D. Cl⁻(aq) from HCl and Na⁺(aq) from NaOH

Q.7 Two aquatic animals: one has pores for water flow, the other uses tentacles to capture prey. Which key structural difference explains their feeding strategies?

- Ans**
- ☐ A. Segmentation in both animals
 - ☐ B. Bilateral symmetry in the pore-bearing animal
 - ☒ C. Presence of tissues in the tentacled animal
 - ☐ D. Presence of a hard skeleton in the tentacled animal

Q.8 Which gas is essential for aerobic respiration in animals?

- Ans**
- ☐ A. Carbon dioxide
 - ☐ B. Hydrogen
 - ☐ C. Nitrogen
 - ☒ D. Oxygen

Q.9 Which of the following describes the rate at which an object changes its velocity?

- Ans**
- ☐ A. Displacement
 - ☐ B. Distance
 - ☒ C. Acceleration
 - ☐ D. Speed

Q.10 Complete the analogy.

Xylem : Water Transport :: Phloem : ____.

- Ans**
- ☐ A. Gas Exchange
 - ☒ B. Food Transport
 - ☐ C. Mechanical Strength
 - ☐ D. Protection from Microbes

Q.11 According to the work-energy theorem, if the net work done on an object is zero, then its kinetic energy _____.

- Ans
- ☐ A. Increases continuously
 - ☐ B. Becomes zero
 - ☒ C. Remains unchanged
 - ☐ D. Decreases continuously

Q.12 Which statement best describes uniform circular motion in the context of motion and force?

- Ans
- ☐ A. An object moves in a circle with both constant speed and constant direction.
 - ☐ B. An object moves in a straight line at changing speed.
 - ☐ C. An object moves in a circle with changing speed and constant direction.
 - ☒ D. An object moves in a circle at constant speed but its velocity changes due to change in direction.

Q.13 Which of the following is the carbon allotrope having a tetrahedral structure?

- Ans
- ☐ A. Graphene
 - ☒ B. Diamond
 - ☐ C. Graphite
 - ☐ D. Fullerene

Q.14 A car with a mass of 1000 kg is moving at a speed of 25 m/s. If the driver applies the brakes and brings the car to a stop, how much kinetic energy is lost during this process?

- Ans
- ☐ A. 25000 J
 - ☐ B. 12500 J
 - ☐ C. 625000 J
 - ☒ D. 312500 J

Q.15 Since plants prepare their own food using sunlight, they do not require a digestive organ like a stomach. Instead, they possess tissues specialized for ____.

- Ans
- ☐ A. Thinking
 - ☐ B. Digestion
 - ☐ C. Running
 - ☒ D. Photosynthesis

Q.16 Which storage condition slows rancidity most effectively in edible oils and fats?

- Ans
- ☒ A. Storing in airtight containers
 - ☐ B. Keeping under sunlight
 - ☐ C. Mixing food with water
 - ☐ D. Repeated heating of food

Q.17 What happens when white light passes through a glass prism?

- Ans
- ☐ A. It changes into a single colour
 - ☒ B. It splits into a band of seven colours
 - ☐ C. It becomes invisible
 - ☐ D. It recombines into white light

Q.18 Which of the following is the purest form of iron?

- Ans
- ☒ A. Wrought iron
 - ☐ B. Stainless steel
 - ☐ C. Limonite
 - ☐ D. Hard steel

Q.19 Which of the following best describes a molecule of a compound?

- Ans**
- ☒ A. A molecule formed by the chemical combination of different elements in a fixed ratio
 - ☐ B. A molecule formed by atoms in any variable ratio
 - ☐ C. A group of atoms of the same element
 - ☐ D. A physical mixture of atoms

Q.20 Which of the following is used as a preservative in pickles?

- Ans**
- ☐ A. 5-8% solution of acetic anhydride in water
 - ☐ B. 5-8% solution of cinnamic in water
 - ☐ C. 5-8% solution of ethanol in water
 - ☒ D. 5-8% solution of acetic acid in water

Q.21 What is the function of the cartridge (such as porcelain) encasing the fuse wire?

- Ans**
- ☐ A. To act as a heat sink for the fuse
 - ☐ B. To increase the current flow through the fuse
 - ☐ C. To improve the fuse's electrical conduction
 - ☒ D. To safely contain the melted fuse wire and prevent hazards

Q.22 In a habitat recently affected by drought, which feature would most likely allow gymnosperms to persist when other plants fail?

- Ans**
- ☒ A. Needle-like leaves prevent water loss
 - ☐ B. Flowers attract diverse pollinators
 - ☐ C. Aquatic fertilisation ensures survival
 - ☐ D. Fruits improve seed dispersal in water

Q.23 What does the given symbol represent in an electric circuit diagram?



- Ans**
- ☐ A. Variable resistance
 - ☐ B. Plug key or switch
 - ☒ C. A wire joint
 - ☐ D. Wires crossing without joining

Q.24 Match 'Column A' with 'Column B' in context of the muscular layers in blood vessels.

Column A	Column B
(a) Thick tunica media	(i) Vein
(b) Smallest vessel diameter	(ii) Artery
(c) Large lumen	(iii) Capillary
(d) Endothelium	(iv) All blood vessels

- Ans**
- ☒ A. a-ii, b-iii, c-i, d-iv
 - ☐ B. a-iii, b-ii, c-i, d-iv
 - ☐ C. a-ii, b-iv, c-i, d-iii
 - ☐ D. a-i, b-ii, c-iv, d-iii

Q.25 A ray of light enters a rectangular glass slab from air at an angle of 40 degrees to the normal. If the refractive index of glass with respect to air is 1.5 and the velocity of light in air is 3×10^8 m/s, what is the velocity of light inside the glass slab?

- Ans
- ☐ A. 2.25×10^8 m/s
 - ☒ B. 2×10^8 m/s
 - ☐ C. 1.5×10^8 m/s
 - ☐ D. 2.5×10^8 m/s

Section : Mathematics

Q.26 Pipe A can fill a tank in 4 hours, pipe B can fill the same tank in 6 hours and pipe C can fill the same tank in 12 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

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

Q.27 A spherical tank with radius 2 meters is filled with water up to three-fourths of its volume. How many cubic meters of water does it contain? (Use $\pi = 3.14$)

- Ans
- ☐ A. 33.36
 - ☒ B. 25.12
 - ☐ C. 36.84
 - ☐ D. 29.24

Q.28 If ₹2,500 earns a simple interest of ₹500 at a rate of 5% per annum, how long was the money invested?

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

Q.29 A's age 6 years ago was half of what it will be 6 years from now. What is A's present age (in years)?

- Ans
- ☐ A. 30
 - ☐ B. 12
 - ☐ C. 24
 - ☒ D. 18

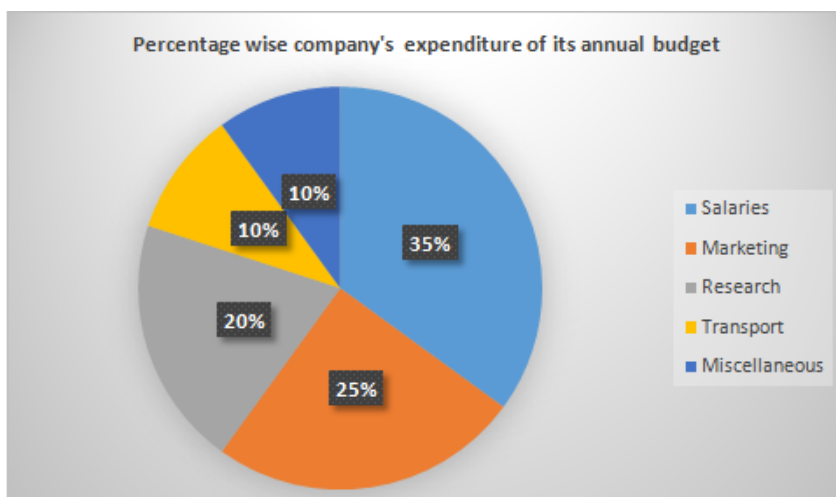
Q.30 Calculate mode from the given data.

Class Interval 0-5 5-10 10-15 15-20 20-25

Number of states 15 10 6 7 2

- Ans
- ☐ A. 1.45
 - ☒ B. 3.75
 - ☐ C. 2.65
 - ☐ D. 0.25

- Q.31 A company spends its annual budget in the following sectors. If total budget is ₹20,00,000, how much amount (in ₹) is spent on Research and Transport together?



- Ans ☒ A. 6,00,000
☒ B. 5,50,000
☒ C. 6,50,000
☒ D. 5,00,000
- Q.32 A car covers the first 120 km at 40 km/hr, the next 180 km at 60 km/hr, and the last 100 km at 50 km/hr. Find the average speed of the car for the entire journey.
- Ans ☒ A. 51 km/hr
☒ B. 53 km/hr
☒ C. 55 km/hr
☒ D. 50 km/hr
- Q.33 A sum of ₹60,000 amounts to ₹71,460.96 after 3 years when interest is compounded yearly. Find the annual rate of interest.
- Ans ☒ A. 8 %
☒ B. 7 %
☒ C. 5 %
☒ D. 6 %
- Q.34 The angles of elevation of the top of a tower from two points given on the same straight line and on the same side of the tower are 30° and 60° . If the distance between the two points is 20 m, find the height of the tower.
- Ans ☒ A. 8 m
☒ B. 12 m
☒ C. $8\sqrt{3}$ m
☒ D. $10\sqrt{3}$ m
- Q.35 Given that $69^{0.96} = x$, $69^{0.75} = y$ and $x^z = y^2$, then the value of z is close to:
- Ans ☒ A. 2.93
☒ B. 0.85
☒ C. 3.48
☒ D. 1.56

Q.36 Simplify: $0.65 \div 0.13 + 3.5 - 2.825$

- Ans ☐ A. 5.375
☐ B. 5.175
☒ C. 5.675
☐ D. 5.875

Q.37 A cylindrical tank of radius 3.5 m and height 10 m is filled with water. The water is to be emptied into a cuboidal tank of length 7 m and breadth 5 m. Find the height of the water in the cuboidal tank after the entire water from the cylinder is poured into it. (Use $\pi = \frac{22}{7}$)

- Ans ☐ A. 10 m
☐ B. 13 m
☐ C. 12 m
☒ D. 11 m

Q.38 The compound interest on a sum for two years is ₹1,560 and the corresponding simple interest is ₹1,500. Find the compound interest on the same sum at the same rate of interest for three years.

- Ans ☐ A. ₹2,466.50
☐ B. ₹2,245.60
☒ C. ₹2,434.80
☐ D. ₹2,345.30

Q.39 A boy is standing at a distance of 20 m from a tree. The angle of elevation of the top of the tree from his eyes is 45° . Find the height of the tree. (Ignore the boy's height.)

- Ans ☐ A. 15 m
☐ B. 40 m
☐ C. 10 m
☒ D. 20 m

Q.40 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 46% and 62%, shop II allows successive discounts of 16% and 77%, shop III allows successive discounts of 74% and 54%, and shop IV allows successive discounts of 12%, 98%, and 86% on the marked price of the cooker.
Which shop is selling the cooker at the lowest price?

- Ans ☐ A. II
☐ B. I
☐ C. III
☒ D. IV

Q.41 430 grams of sugar solution has 20% of sugar in it. How much sugar should be added to make it 50% in the solution?

- Ans ☒ A. 258 grams
☐ B. 278 grams
☐ C. 248 grams
☐ D. 268 grams

Q.42 Two numbers are in the ratio 2:3. If 8 is subtracted from each number, the resulting ratio becomes 1:2. What was the original larger number?

- Ans**
- ☐ A. 16
 - ☐ B. 12
 - ☒ C. 24
 - ☐ D. 18

Q.43 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. increase by ₹13,161
 - ☐ C. decrease by ₹13,159
 - ☐ D. decrease by ₹13,165

Q.44 Find the fourth proportional to the numbers 8, 32 and 17.

- Ans**
- ☐ A. 56
 - ☒ B. 68
 - ☐ C. 58
 - ☐ D. 46

Q.45 A dealer sells an article at a 25% profit. The buyer then sells it at a 10% loss. If the original cost price was ₹1,200, what is 40% of the final selling price of the article?

- Ans**
- ☐ A. ₹600
 - ☐ B. ₹480
 - ☒ C. ₹540
 - ☐ D. ₹630

Q.46 What is the value of $(2x + 4y)$, if mean of the following distribution is 42?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	8	20	x	2	y	70

- Ans**
- ☐ A. 68
 - ☒ B. 86
 - ☐ C. 100
 - ☐ D. 75

Q.47 Ravi spends 80% of his monthly income. If his monthly income is ₹25,000, find his monthly savings.

- Ans**
- ☐ A. ₹7,000
 - ☐ B. ₹4,000
 - ☒ C. ₹5,000
 - ☐ D. ₹6,000

Q.48 A tangent is drawn to a circle of radius 12 cm from a point situated at a distance of 13 cm from the centre of the circle. The length of the tangent will be:

- Ans**
- ☐ A. 6 cm
 - ☐ B. 12 cm
 - ☒ C. 5 cm
 - ☐ D. 8 cm

Q.49 Simplify: $6 \div \left[(9 - 6) \div \left\{ (5 - 3) \div \left(2 + \frac{8}{13} \right) \right\} \right]$

- Ans
- ☒ A. $\frac{34}{13}$
 - ☒ B. $\frac{26}{17}$
 - ☒ C. $\frac{7}{17}$
 - ☒ D. $\frac{13}{17}$

Q.50 The distance between two cities, A and B, is 250 km. A motorcyclist starts from A towards B at 6:30 a.m. at a speed of 40 km/hr. Another motorcyclist starts from B towards A at 8:30 a.m. at a speed of 50 km/hr. At what time will they cross each other?

- Ans
- ☒ A. 10:23:20 a.m.
 - ☒ B. 11:33:51 a.m.
 - ☒ C. 1:27:48 p.m.
 - ☒ D. 2:25:24 p.m.

Section : General Intelligence and Reasoning

Q.51 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

5 - 27

7 - 51

- Ans
- ☒ A. 45 - 70
 - ☒ B. 3 - 12
 - ☒ C. 1 - 3
 - ☒ D. 9 - 85

Q.52 What should come in place of ? in the given series based on the English alphabetical order?

BLQ EQP HVO KAN ?

- Ans
- ☒ A. MFN
 - ☒ B. NFM
 - ☒ C. OPM
 - ☒ D. MEP

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?

$88 \times 4 + 7 - 2 \div 6 = ?$

- Ans
- ☒ A. 22
 - ☒ B. 14
 - ☒ C. 17
 - ☒ D. 10

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. IL-NT
☐ B. EH-KN
☐ C. PS-VY
☐ D. GJ-MP

Q.55 Each vowel in the word COLLAGE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

- Ans** ☐ A. J
☐ B. M
☒ C. K
☐ D. L

Q.56 Six people, C, D, E, O, P and Q, are sitting in a row, facing north.
No one sits to the right of P. Only three people sit between P and D. Only two people sit between D and C. E sits second to the left of O.
How many people sit between Q and E?

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

Q.57 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) U R M B G C H O Y A I E P I G U Q U Q (Right)

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

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

Q.58 Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.

No box is kept above D. Only two boxes are kept between D and Y. Only one box is kept between D and G. E is kept immediately below Y. Only four boxes are kept between D and X.

How many boxes are kept between F and X?

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

Q.59 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) D is taller than H. H is taller than N.

(II) N is shorter than V but taller than Y.

- Ans** ☒ A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
☒ B. Both statements I and II together are NOT sufficient to answer the question
☒ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.60 What should come in place of the question mark (?) in the given series?

216 224 240 264 296 ?

- Ans** ☒ A. 328
☒ B. 324
☒ C. 331
☒ D. 336

Q.61 This question is based on the five, three-digit numbers given below.

(Left) 762 311 197 263 393 (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 first digit of the lowest number is subtracted from the first digit of the highest number?

- Ans** ☒ A. 5
☒ B. 7
☒ C. 9
☒ D. 6

Q.62 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 poles, D,R,C,Z and Y each having a different height, which pole is the tallest?

(I) R is shorter than D but taller than C

(II) Z is taller than Y

- Ans** ☒ A. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.
☒ B. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.
☒ C. Each statement alone is sufficient to answer the question.
☒ D. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient.

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 statements.

Statements: Some moons are stars. Some moons are white.

Conclusion (I): At least some whites are stars.

Conclusion (II): Some whites are moons.

- Ans** ☒ A. Only conclusion (II) follows
☒ B. Only conclusion (I) follows
☒ C. Both conclusions (I) and (II) do not follow
☒ D. Both conclusions (I) and (II) follow

Q.64 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1742683, how many digits will appear more than once in the new number thus formed?

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

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.

RJP : UHR
MLM : PJO

- Ans**
- ☒ A. WKT : ZIU
 - ☒ B. JVI : MTK
 - ☒ C. GRI : JOK
 - ☒ D. PLL : SJM

Q.66 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 4 2 @ 5 % 9 8 + 3 6 @ 1 5 ! # ^ 7 @ # 5 & ? 9 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☒ A. 7
 - ☒ B. 1
 - ☒ C. 5
 - ☒ D. 3

Q.67 OGRU is related to JBMP in a certain way based on the English alphabetical order. In the same way, ZEKP is related to UZFK. To which of the given options is FWLA related, following the same logic?

- Ans**
- ☒ A. ARGV
 - ☒ B. BTDH
 - ☒ C. DEGV
 - ☒ D. NFQC

Q.68 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$15 - 2 \div 48 \times 24 + 24 = ?$$

- Ans**
- ☒ A. -7
 - ☒ B. -4
 - ☒ C. -3
 - ☒ D. -5

Q.69 This question is based on the five, three-digit numbers given below.

(Left) 583 912 467 351 294 (Right)

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

What is the sum of the first digit of the lowest number and the third digit of the highest number?

- Ans**
- ☐ A. 6
 - ☐ B. 8
 - ☐ C. 7
 - ☒ D. 4

Q.70 DJ 14 is related to JP 16 in a certain way. In the same way, PM 11 is related to VS 13. To which of the given options is HF 17 related, following the same logic?

- Ans**
- ☐ A. NO 15
 - ☐ B. NS 12
 - ☐ C. NK 15
 - ☒ D. NL 19

Q.71 N is the wife of Z. K is the daughter of N. Q is the mother of Z. How is Q related to K?

- Ans**
- ☒ A. Father's mother
 - ☐ B. Mother's mother
 - ☐ C. Husband's mother
 - ☐ D. Son's wife

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 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. IGD
 - ☐ B. GEB
 - ☒ C. QPL
 - ☐ D. OMJ

Q.73 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) Y U A J K Y M Y Y P K Z M U V G I A O (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. Four
 - ☐ B. One
 - ☒ C. Two
 - ☐ D. Three

Q.74 68 is related to 34 following a certain logic. Following the same logic, 84 is related to 42. To which of the given options is 56 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 24
☒ B. 28
☐ C. 32
☐ D. 36

Q.75 Apourva ranked 25th from the bottom and 21st from the top in his class. How many students are there in his class?

- Ans** ☐ A. 46
☐ B. 44
☐ C. 43
☒ D. 45

Q.76 In a certain code language, 'sun shines bright' is coded as 'fa lo ti' and 'moon shines too' is coded as 'za lo mn'. How is 'shines' coded in the given language? (All the codes are two-letter codes only.)

- Ans** ☐ A. za
☐ B. fa
☒ C. lo
☐ D. ti

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 – B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M @ H % Y – U'?

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

Q.78 Each letter in the word REFLECTION is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fifth from the left and the one which is third from the right in the new letter cluster thus formed?

- Ans** ☐ A. 7
☒ B. 5
☐ C. 6
☐ D. 8

Q.79 Seven people, D, H, J, L, S, T and Y are sitting in a row, facing the north. Only two people sit to the left of J. Only three people sit between J and Y. H sits second to the right of J. Only two people sit between H and L. S sits at some place to the right of T but at some place to the left of D. How many people sit to the left of L?

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

Q.80 A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. The product of floors on which S and F live is 20. Only 3 people live between S and A. D lives immediately below G. How many people live below G?

- Ans** ☐ A. 3
☐ B. 4
☐ C. 1
☒ D. 2

Section : General Awareness and Current Affairs

Q.81 In April 2026, which organization was at the forefront of coordinating India's disaster response and preparedness initiatives for cyclones along the eastern coast, as per official updates from the Ministry of Home Affairs?

- Ans** ☐ A. Indian Meteorological Department
☐ B. State Disaster Response Forces
☐ C. National Institute of Disaster Management
☒ D. National Disaster Management Authority (NDMA)

Q.82 The 48th edition of the Dakar Rally, held in January 2026, took place in which of the following countries?

- Ans** ☐ A. United Arab Emirates
☒ B. Saudi Arabia
☐ C. South Africa
☐ D. Morocco

Q.83 Which instrument is related to Chandrayaan-3 and delivered critical 'ground truth' data on the Moon's plasma environment in December 2025?

- Ans** ☐ A. IIRS-L
☒ B. RAMBHA-LP
☐ C. CHACE-2
☐ D. M3

Q.84 Where did the 12-day 'Tribes Art Fest (TAF) 2026' take place in March 2026?

- Ans** ☐ A. Jaipur
☐ B. Bhopal
☐ C. Mumbai
☒ D. New Delhi

Q.85 In April 2026, the Integrated Alert System "SACHET" was launched to strengthen which area in India?

- Ans**
- ☐ A. Agricultural Irrigation and Water Conservation Systems
 - ☒ B. Disaster Management and Emergency Alert Services
 - ☐ C. Digital Banking and Financial Inclusion Services
 - ☐ D. Space Communication and Satellite Navigation Services

Q.86 India recorded its highest-ever performance in the QS World University Rankings by Subject 2026, achieving how many entries in the global Top 50 — more than doubling its tally from 12 entries in both 2024 and 2025?

- Ans**
- ☒ A. 27
 - ☐ B. 24
 - ☐ C. 18
 - ☐ D. 21

Q.87 The Sahitya Akademi Award 2025, presented to the awardees in March 2026 in New Delhi, recognised which author for the women-centric short-story collection "Safety Kit"?

- Ans**
- ☐ A. Raju Baviskar
 - ☐ B. Girijakumar Baliyar Singh
 - ☒ C. Jinder
 - ☐ D. Prakash Bhattarai

Q.88 Which team did the Indian women's archery team defeat to win gold medal in stage Archery world cup held in Shanghai in May 2026?

- Ans**
- ☐ A. Indonesia
 - ☐ B. Uzbekistan
 - ☐ C. Qatar
 - ☒ D. China

Q.89 In the Corruption Perceptions Index (CPI) 2025 released by Transparency International in 2026, India was ranked at which position among countries and territories?

- Ans**
- ☐ A. Seventy-ninth
 - ☐ B. Ninety-sixth
 - ☐ C. Eighty-fifth
 - ☒ D. Ninety-first

Q.90 The One Stop Centre scheme, frequently mentioned in discussions on women's safety during 2025–26, is funded primarily through which mechanism of the Government of India?

- Ans**
- ☐ A. National Social Assistance Programme supporting livelihood security for vulnerable households
 - ☐ B. Rashtriya Mahila Kosh supporting micro-credit facilities for women entrepreneurs
 - ☐ C. District Mineral Foundation supporting welfare measures in mining-affected regions
 - ☒ D. Nirbhaya Fund supporting integrated assistance for women affected by violence

Q.91 At the 2026 NCAA Indoor Championships, which athlete set a new collegiate record in the men's 200-meter final by clocking 19.95 seconds?

- Ans**
- ☐ A. Habtom Samue
 - ☒ B. Garrett Kaalund
 - ☐ C. Marcelo Mantecon
 - ☐ D. Ja'Kobe Tharp

Q.92 At the eighth annual Hockey India Awards held in March 2026 to recognise outstanding performances during the 2025 season, which player received the Women's Player of the Year award?

- Ans**
- ☐ A. Vandana Katariya
 - ☐ B. Savita Punia
 - ☒ C. Navneet Kaur
 - ☐ D. Salima Tete

Q.93 In February 2026, which country signed a Memorandum of Understanding with India to enhance collaboration in environment, biodiversity conservation, and climate change?

- Ans**
- ☐ A. Brazil
 - ☐ B. Germany
 - ☐ C. France
 - ☒ D. Nepal

Q.94 A special treaty event was held by the United Nations in Abu Dhabi in April 2026 to facilitate the signing and ratification of which of the following international agreements?

- Ans**
- ☐ A. Convention on Biological Diversity
 - ☐ B. Paris Agreement on Climate Change
 - ☒ C. United Nations Convention against Cybercrime
 - ☐ D. United Nations Convention against Corruption

Q.95 For the financial year 2026-27 (FY27), what was the fiscal deficit target set by the Union Budget?

- Ans**
- ☒ A. 4.3% of GDP
 - ☐ B. 3.5% of GDP
 - ☐ C. 5.2% of GDP
 - ☐ D. 6% of GDP

Q.96 In 2025, India launched its first indigenous CRISPR-based gene therapy to combat Sickle Cell Disease, which disproportionately affects the country's tribal population. What is the name of this therapy?

- Ans**
- ☐ A. Gene-editing therapy 'JanAushadhi-404'
 - ☒ B. Gene therapy 'BIRSA 101'
 - ☐ C. Cell therapy 'Raksha-22'
 - ☐ D. CRISPR cure 'Arogya-1'

Q.97 Which party formed the government for the first time in Tamil Nadu in May 2026?

- Ans**
- ☐ A. All India Anna Dravida Munnetra Kazhagam
 - ☐ B. Dravida Munnetra Kazhagam
 - ☐ C. Pattali Makkal Katchi
 - ☒ D. Tamilaga Vetti Kazhagam

Q.98 What is the name of the mobile app launched by the ministry of social justice and empowerment in May 2026 for real-time monitoring of SC welfare schemes?

- Ans**
- ☒ A. AJAY
 - ☐ B. VIJAY
 - ☐ C. VIKAS
 - ☐ D. DHARMA

Q.99 The 14th Ministerial Conference (MC14) of the World Trade Organization (WTO), held in March 2026 under the chairmanship of Luc Magloire Mbarga Atangana, took place in which country?

- Ans**
- ☐ A. Switzerland
 - ☐ B. United Arab Emirates
 - ☒ C. Cameroon
 - ☐ D. Singapore

Q.100 During the 2026 Budget Session of Parliament, which bill was referred to the Joint Committee of both Houses?

- Ans**
- ☒ A. The Corporate Laws (Amendment) Bill, 2026
 - ☐ B. The Jan Vishwas (Amendment of Provisions) Bill, 2026
 - ☐ C. The Finance Bill, 2026
 - ☐ D. The Insolvency and Bankruptcy Code (Amendment) Bill, 2026



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Albert Road
Test Date	05/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following statements about vegetative propagation is INCORRECT?

- Ans**
- ☒ A. New plants arise from stems, roots, or leaves.
 - ☒ B. Only one parent is involved in the process.
 - ☒ C. New plants develop from seed-bearing structures.
 - ☒ D. The offspring are genetically identical to the parent.

Q.2 Which of the following statements about nutrition in single-celled organisms is INCORRECT?

- Ans**
- ☒ A. Paramecium engulfs food from all parts of its surface
 - ☒ B. Amoeba uses pseudopodia to engulf food
 - ☒ C. Food is digested inside food vacuoles in Amoeba
 - ☒ D. Paramecium takes in food with the help of cilia at a fixed spot

Q.3 Which of the following best explains how ultrasound is used in medical imaging?

- Ans**
- ☒ A. Ultrasound uses low-frequency sound waves for medical imaging
 - ☒ B. Ultrasound waves pass through tissues without any reflection for imaging
 - ☒ C. Ultrasound waves reflect off tissues to create real-time images on a monitor
 - ☒ D. Ultrasound is used to measure temperature changes in body tissues

Q.4 A convex mirror has a focal length of 20 cm. If an object is placed 40 cm from the mirror, what will be the nature and relative size of the image?

- Ans**
- ☒ A. Virtual, same size as the object
 - ☒ B. Real, smaller than the object
 - ☒ C. Virtual, smaller than the object
 - ☒ D. Real, larger than the object

Q.5 A motor develops a power of 85 W for 30 s. What is the work done by the motor?

- Ans**
- ☒ A. 2550 J
 - ☒ B. 255 J
 - ☒ C. 2500 J
 - ☒ D. 250 J

Q.6 Which of the following is NOT a property of a solution?

- Ans**
- ☒ A. Transparent appearance
 - ☒ B. Separation of components by filtration
 - ☒ C. Uniform composition
 - ☒ D. No settling of solute

- Q.7** A football player kicks a ball forward. Later, a goalkeeper catches the ball and brings it to rest.
Which of the following statements are correct?
1. The player does positive work on the ball.
2. The goalkeeper does negative work on the ball.
3. During the kick, force and displacement are in the same direction.
4. During the catch, force and displacement are in opposite directions.
- Ans** ☒ A. 2 and 3 only
☒ B. 1 and 2 only
☒ C. 1, 2, 3 and 4
☒ D. 1, 2 and 4 only
- Q.8** Molasses, a byproduct of sugar production from sugarcane, can be used as a feedstock for the production of which of the following carbon compounds through fermentation?
- Ans** ☒ A. propanal
☒ B. ethanol
☒ C. butanone
☒ D. propanoic acid
- Q.9** Which statement best describes the velocity-time graph for an object moving with uniform acceleration?
- Ans** ☒ A. It is a straight line with a constant slope
☒ B. It is a curve bending upwards
☒ C. It is a straight line parallel to the velocity axis
☒ D. It is a horizontal line parallel to the time axis
- Q.10** Climate change increases rainfall in the Western Ghats and alters the ecosystem. Which long-term effect could this have on endemic species in the region?
- Ans** ☒ A. Endemic species may struggle to survive and adapt
☒ B. Endemic species will not be affected
☒ C. Endemic species will increase in population
☒ D. Endemic species will spread to new regions
- Q.11** Which of the following CORRECTLY pairs the organism with the body part it uses for food intake?
- Ans** ☒ A. Paramecium - cilia
☒ B. Amoeba - flagella
☒ C. Euglena - tentacles
☒ D. Hydra - pseudopodia
- Q.12** A car starts from rest and gradually increases its speed. Which of the following best describes its distance-time graph?
- Ans** ☒ A. A curve starting from the origin with decreasing slope
☒ B. A curve starting from the origin with increasing slope
☒ C. A horizontal line starting from the origin
☒ D. A straight line with constant slope starting from the origin
- Q.13** A meteorological station near 60° South detects winds converging and rising. The most likely consequence of this pattern in terms of pressure is:
- Ans** ☒ A. Establishment of an equatorial low pressure zone
☒ B. Formation of a sub-polar low pressure belt
☒ C. Development of a high pressure zone
☒ D. Creation of a sub-tropical high pressure belt

Q.14 In the reaction of copper oxide with hydrochloric acid, the solution turns:

- Ans**
- ☒ A. Blue-green due to copper(II) chloride
 - ☐ B. Colourless due to water formation
 - ☐ C. Red due to oxygen evolution
 - ☐ D. Brown due to hydrogen gas

Q.15 Which phenomenon best explains why the sky appears blue during daytime?

- Ans**
- ☐ A. Ozone in the atmosphere absorbs all other colors except blue
 - ☐ B. Sun emits predominantly blue light during the day
 - ☐ C. Reflection of sunlight by clouds causes blue color
 - ☒ D. Shorter wavelengths of sunlight are scattered more than longer wavelengths

Q.16 A student wants to compare the resistivity of two different materials using wires of identical length and cross-sectional area. Which measurement must be made for both wires to determine their resistivity?

- Ans**
- ☐ A. Measuring the brightness of a bulb in the circuit
 - ☒ B. Measuring the resistance of each wire
 - ☐ C. Measuring the mass of each wire
 - ☐ D. Measuring the voltage across each wire

Q.17 Which method would be most appropriate to distinguish between saturated and unsaturated carbon compounds in a laboratory setting?

- Ans**
- ☒ A. Testing with bromine water to observe color change.
 - ☐ B. Measuring melting point with a thermometer.
 - ☐ C. Heating over a Bunsen burner and observing flame color.
 - ☐ D. Mixing with copper sulfate solution.

Q.18 When copper is heated in air, it combines with oxygen to form a black oxide, which is:

- Ans**
- ☐ A. copper(III) oxide
 - ☐ B. copper(IV) oxide
 - ☒ C. copper(II) oxide
 - ☐ D. copper(I) oxide

Q.19 The specialised signal that travels along a nerve fibre to communicate with other cells is specifically known as a(n) _____.

- Ans**
- ☐ A. Stimulus
 - ☐ B. Hormone
 - ☒ C. Nerve impulse
 - ☐ D. Axon

Q.20 If the current in a conductor is doubled while it remains perpendicular to the same magnetic field, how does the force on the conductor change?

- Ans**
- ☐ A. The force remains unchanged
 - ☒ B. The force doubles
 - ☐ C. The force reduces four times
 - ☐ D. The force is halved

Q.21 What happens when the leaves of the touch-me-not (Mimosa) plant are touched?

- Ans**
- ☐ A. They grow larger
 - ☒ B. They fold up and droop
 - ☐ C. They produce flowers
 - ☐ D. They change color

Q.22 Which part of a plant mainly absorbs water and minerals from the soil?

- Ans**
- ☒ A. Roots
 - ☐ B. Flowers
 - ☐ C. Leaves
 - ☐ D. Stems

Q.23 In ammonia (NH₃), the combining elements are present in the ratio of:

- Ans**
- ☐ A. 14:6
 - ☒ B. 14:3
 - ☐ C. 7:3
 - ☐ D. 28:3

Q.24 Which property is used to differentiate atoms of various elements based on the total mass of their protons and neutrons in the nucleus?

- Ans**
- ☐ A. Valency
 - ☐ B. Atomic number
 - ☒ C. Atomic mass
 - ☐ D. Isotopic ratio

Q.25 Consider the reaction: $\text{CuO(s)} + \text{H}_2\text{(g)} \rightarrow \text{Cu(s)} + \text{H}_2\text{O(l)}$

Which option correctly identifies the oxidation–reduction changes occurring in this reaction?

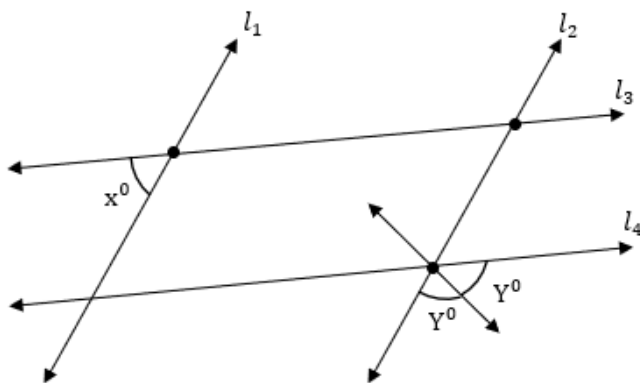
- Ans**
- ☐ A. Copper oxidised while H₂ reduced
 - ☒ B. Hydrogen oxidised while CuO reduced
 - ☐ C. Copper and hydrogen both oxidised
 - ☐ D. Hydrogen reduced while CuO oxidised

Section : Mathematics

Q.26 Two trains leave the same station and travel in the same direction. If the faster train moves at 54 km/h and the distance between them becomes 42 km after 6 hours, what is the speed of the slower train?

- Ans**
- ☐ A. 45 km/h
 - ☒ B. 47 km/h
 - ☐ C. 48 km/h
 - ☐ D. 50 km/h

Q.27 Consider the following figure:



If $l_1 \parallel l_2$ and $l_3 \parallel l_4$, then which one of the following relations is correct?

- Ans
- ☐ A. $2Y^\circ = x^\circ$
 - ☐ B. $Y^\circ + 2x^\circ = 180^\circ$
 - ☒ C. $2Y^\circ + x^\circ = 180^\circ$
 - ☐ D. $Y^\circ + x^\circ = 180^\circ$

Q.28 In a moderately asymmetrical frequency distribution, the values of the mean and mode are 54.3 and 62.1, respectively. Find the median value.

- Ans
- ☒ A. 56.9
 - ☐ B. 57.9
 - ☐ C. 57.2
 - ☐ D. 55.7

Q.29 If $\tan\theta + \cot\theta = 2$, find $\tan^2\theta + \cot^2\theta$.

- Ans
- ☐ A. 4
 - ☐ B. 0
 - ☐ C. 1
 - ☒ D. 2

Q.30 A solid cylinder of base radius 7 cm and height 12 cm has a conical cavity of the same base radius and 8 cm height. Find the volume of the remaining solid. [Use $\pi = 22/7$ and round off your answer to two decimal places.]

- Ans
- ☐ A. 1417.33 cm^3
 - ☒ B. 1437.33 cm^3
 - ☐ C. 1402.33 cm^3
 - ☐ D. 1452.33 cm^3

Q.31 Arrange the following ratios in descending order.
 2: 5, 3: 8, 5: 6, 4: 7

- Ans
- ☐ A. $5: 6 > 3: 8 > 4: 7 > 2: 5$
 - ☐ B. $5: 6 > 3: 8 > 2: 5 > 4: 7$
 - ☐ C. $5: 6 > 4: 7 > 3: 8 > 2: 5$
 - ☒ D. $5: 6 > 4: 7 > 2: 5 > 3: 8$

Q.32 Three partners, P, Q, and R, start a business by investing capital in the ratio 5 : 4 : 3. At the end of one year, the business earns a total profit of Rs. 48,000. If Q withdraws his investment after 6 months, while P and R keep their investments in the business for the entire year, what amount of profit should Q receive?

- Ans** ☒ A. Rs. 8,000
☒ B. Rs. 9,600
☒ C. Rs. 12,000
☒ D. Rs. 6,000

Q.33 If the cost price of an article is ₹500 and is sold at ₹400, then find the loss percentage.

- Ans** ☒ A. 20%
☒ B. 25%
☒ C. 100%
☒ D. 80%

Q.34 A sum amounts to a compound interest, compounded annually of ₹4,837.50 in 2 years at the rate of 15% per annum. Find the principal amount.

- Ans** ☒ A. ₹15,000
☒ B. ₹12,000
☒ C. ₹13,000
☒ D. ₹14,000

Q.35 15 workers can build a wall in 22 days. How many days will 12 workers take to build the same wall (assuming the same efficiency).

- Ans** ☒ A. 30 days
☒ B. 25 days
☒ C. 28.5 days
☒ D. 27.5 days

Q.36 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 80% and 44%, shop II allows successive discounts of 58% and 62%, shop III allows successive discounts of 67% and 85%, and shop IV allows successive discounts of 41%, 91%, and 74% on the marked price of the cooker.
Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. IV
☒ B. I
☒ C. II
☒ D. III

Q.37 If a 7-digit number 65873A8 is completely divisible by 22, what is the value of A?

- Ans** ☒ A. 2
☒ B. 3
☒ C. 7
☒ D. 1

Q.38 Find the average of 453, 397, 332 and 84.

- Ans** ☒ A. 336.5
☒ B. 326.5
☒ C. 316.5
☒ D. 306.5

Q.39 Rishi has ₹1,681, which he distributes between his two sons, Shan and Piyush. He instructs them to invest their respective amounts at a compound interest rate of 5% per annum, compounded annually. After 13 years, Shan's investment matures to the same amount as Piyush's investment after 14 years. Determine the amount (in ₹) that Rishi gave to Shan.

- Ans**
- ☐ A. 820
 - ☐ B. 711
 - ☐ C. 920
 - ☒ D. 861

Q.40 The price of an article is increased by 36%. After this increase, it is decreased by 30%. If the final price of the article is ₹132 less than the original price, find the original price of the article.

- Ans**
- ☐ A. ₹2,940
 - ☐ B. ₹2,280
 - ☐ C. ₹2,460
 - ☒ D. ₹2,750

Q.41 Find the height of the triangle whose base is one-fourth of its height and area is 169 cm².

- Ans**
- ☐ A. $13\sqrt{6}$ cm
 - ☒ B. $26\sqrt{2}$ cm
 - ☐ C. 26 cm
 - ☐ D. 19.5 cm

Q.42 Pipe A can fill a tank in 4 hours, pipe B can fill the same tank in 5 hours and pipe C can fill the same tank in 20 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

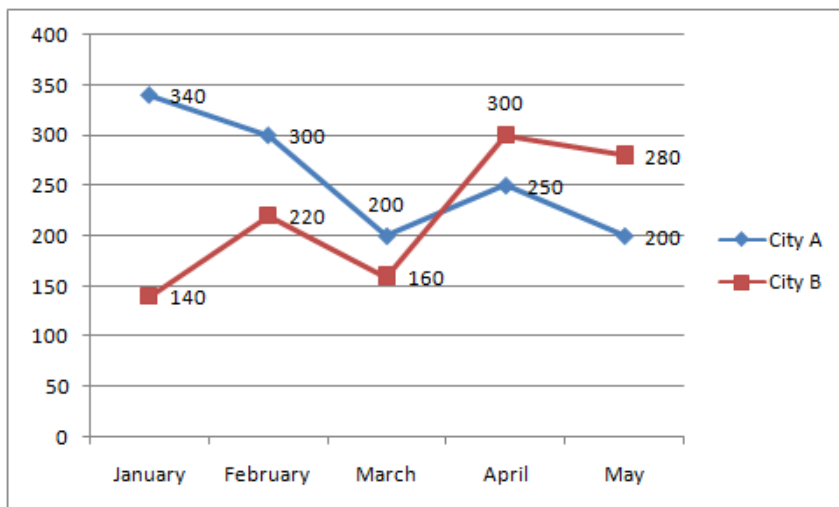
- Ans**
- ☐ A. 4
 - ☒ B. 1
 - ☐ C. 3
 - ☐ D. 2

Q.43 If the mean of the following data is 45, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	41	46	28	12	x

- Ans**
- ☐ A. 245
 - ☐ B. 238
 - ☐ C. 250
 - ☒ D. 243

- Q.44** The given line graph shows the number of tourists (in hundreds) in two cities A and B in five different months in the year 2023. Study the graph and answer the question that follows.



What is the ratio between the total number of tourists in city B in February to May to that in city A in January to February?

- Ans** ☒ A. 2:3
☒ B. 3:2
☒ C. 5:6
☒ D. 6:5

- Q.45** What is the simple interest on a sum of ₹10,000 at 5% per annum for 2 years?

- Ans** ☒ A. ₹800
☒ B. ₹1,000
☒ C. ₹1,500
☒ D. ₹1,200

- Q.46** If $\sin A = \frac{3}{5}$, then find the value of $\sqrt{\frac{1 + \sin A}{1 - \sin A}} + \sqrt{\frac{1 - \sin A}{1 + \sin A}} + \sqrt{\frac{1 + \sin A}{1 - \sin A}}$

- Ans** ☒ A. 7
☒ B. 1
☒ C. 3
☒ D. 5

- Q.47** Find the HCF of the numbers 252, 396, and 524.

- Ans** ☒ A. 9
☒ B. 4
☒ C. 36
☒ D. 12

- Q.48** One-third of a journey is covered at a speed of 56 km/hr, the next one-third of the journey is covered at a speed of 7 km/hr, and the remaining journey is covered at a speed of 14 km/hr. The average speed (in km/hr, rounded off to 1 decimal place) for the entire journey is:

- Ans** ☒ A. 13.6
☒ B. 7.9
☒ C. 18.1
☒ D. 12.9

Q.49 Simplify:
 $(2a + 3b)^2 - (2a - 3b)^2$

- Ans
- ☐ A. $20ab$
 - ☐ B. $25ab$
 - ☐ C. $18ab$
 - ☒ D. $24ab$

Q.50 The population of a town decreased from 80,000 to 72,000. Find the percentage decrease in population.

- Ans
- ☐ A. 15%
 - ☐ B. 8%
 - ☒ C. 10%
 - ☐ D. 12%

Section : General Intelligence and Reasoning

Q.51 P, Q, R, S, T, and U are sitting around a circular table, facing the center. S sits second to the right of Q. Only two people sit between Q and T when counted from the right of Q. P sits to the immediate right of T. U sits to the immediate left of S.

Who sits to the immediate right of P?

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

Q.52 Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

D sits third to the left of E. Only one person sits between E and Q when counted from the left of Q. Only one person sits between O and P when counted from the right of O.

Who sits third to the right of C?

- Ans
- ☐ A. E
 - ☐ B. D
 - ☒ C. P
 - ☐ D. Q

Q.53 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 teachers are professionals.

All professionals are doctors.

Conclusions:

(I) Some doctors are teachers.

(II) All teachers are doctors.

- 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 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. GI-IN

✗ B. NP-QS

✗ C. JL-MO

✗ D. BD-EG

Q.55 Refer to the following letter, symbol series and answer the question.

(Left) C N M + M & % F \$ # S @ B H J \$ H & J K + (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

Ans ✓ A. %

✗ B. +

✗ C. @

✗ D. #

Q.56 In a certain code language,

A ^ B means 'A is the wife of B',
A ! B means 'A is the brother of B',
A £ B means 'A is the father of B' and
A € B means 'A is the son of B'.

Based on the above, how is P related to U if 'P ! Q € S £ T ^ U'?

Ans ✓ A. Wife's brother

✗ B. Wife

✗ C. Mother

✗ D. Daughter

Q.57 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) L B I R P N U U S J Y U U A P Z I A X A O E (Right)

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

Ans ✗ A. 6

✗ B. 5

✗ C. 3

✓ D. 4

Q.58 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 bowls.

No cup is a tank.

Conclusions:

(I) Some tanks are bowls.

(II) All bowls are tanks.

- 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.59 Gaurav ranked 14th from the top and 98th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 110
 - ☒ B. 113
 - ☒ C. 112
 - ☒ D. 111

Q.60 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 sticks, V, H, Y, D and N, each having a different height, which stick is the shortest?

(I) N is taller than only two sticks. D is taller than N but shorter than Y.

(II) V is taller than H.

- Ans**
- ☒ A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ C. Both statements I and II together are NOT sufficient to answer the question
 - ☒ D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q.61 Each of the digits in the number 354892716 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.62 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OQO :: HJH : %

- Ans**
- ☒ A. # = LNL , % = KMK
 - ☒ B. # = LNL , % = KLL
 - ☒ C. # = LNK , % = JLJ
 - ☒ D. # = LPN , % = KMK

Q.63 E, F, G, H, L and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only H lives below M. Only L lives above G. E lives immediately below G. How many people live between F and H?

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

Q.64 This question is based on the five, three-digit numbers given below.

(Left) 264 591 267 173 761 (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 first digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 17
 - ☐ B. 13
 - ☒ C. 14
 - ☐ D. 15

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 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. ONK
 - ☐ B. IGE
 - ☐ C. PNL
 - ☐ D. AYW

Q.66 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) O G © K S 6 C % J 2 7 7 Y M & W 1 \$ Y © € © (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the left?

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

Q.67 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: PSX :: EHM : %

- Ans**
- ☐ A. # = MOI , % = IJP
 - ☒ B. # = MPU , % = HKP
 - ☐ C. # = OIU , % = KIP
 - ☐ D. # = MNU , % = PLP

Q.68 The position(s) of how many letters will remain unchanged if each of the letters in the word BUSGIRL is arranged in the English alphabetical order?

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

Q.69 This question is based on the five, three-digit numbers given below.
(Left) 761 793 523 591 791 (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. 12
 - ☐ C. 11
 - ☐ D. 10

Q.70 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $7 \div 36 \times 4 - 27 + 13 = ?$

- Ans**
- ☒ A. 77
 - ☐ B. 75
 - ☐ C. 79
 - ☐ D. 81

Q.71 What should come in place of the question mark (?) in the given series?

195 201 213 231 255 ?

- Ans**
- ☐ A. 277
 - ☐ B. 279
 - ☒ C. 285
 - ☐ D. 292

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 - B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is M related to K if 'M # E % W - P @ K'?

- Ans**
- ☐ A. Mother's son
 - ☐ B. Brother's son
 - ☒ C. Mother's brother's son
 - ☐ D. Mother's sister's son

Q.73 What should come in place of ? in the given series based on the English alphabetical order?
WBE REJ MHO HKT ?

- Ans**
- ☒ A. CNY
 - ☐ B. BMT
 - ☐ C. DNZ
 - ☐ D. DMX

Q.74 In a row of people all facing North, Gyalmu is 9th from the right end. Akol is 11th from the right end. Akol is exactly between Gyalmu and Victoria. If Victoria is 2nd from the left end of the line, how many people are there in the row?

- Ans**
- ☒ A. 12
 - ☒ B. 14
 - ☒ C. 11
 - ☒ D. 13

Q.75 Pramod starts from Point A and drives 36 km towards the south. He then takes a right turn, drives 45 km, turns right and drives 41 km. He then takes a right turn and drives 56 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. 11 km to the west
 - ☒ B. 15 km to the east
 - ☒ C. 13 km to the east
 - ☒ D. 10 km to the west

Q.76 Each vowel in the word CAUTERY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

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

Q.77 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

11 - 22 - 44 - 88 ; 13 - 26 - 52 - 104

- Ans**
- ☒ A. 16 - 32 - 64 - 100
 - ☒ B. 12 - 24 - 48 - 90
 - ☒ C. 14 - 28 - 56 - 98
 - ☒ D. 15 - 30 - 60 - 120

Q.78 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of mathematical operations as followed in the two 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.)

15-225-235-245

22-484-494-504

- Ans**
- ☒ A. 18-324-314-304
 - ☒ B. 19-361-371-391
 - ☒ C. 16-256-266-276
 - ☒ D. 21-441-461-471

Q.79 FKSU is related to ZEMO in a certain way based on the English alphabetical order. In the same way, JMQL is related to DGKF. To which of the following is NYBO related to, following the same logic?

- Ans**
- ☐ A. HTVJ
 - ☒ B. HSVI
 - ☐ C. ISUI
 - ☐ D. ISUJ

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?
 $5 \div 2 + 12 \times 4 - 3 = ?$

- Ans**
- ☐ A. 12
 - ☐ B. 9
 - ☒ C. 10
 - ☐ D. 8

Section : General Awareness and Current Affairs

Q.81 According to the Economic Survey 2025–26, which health condition was highlighted as a rapidly emerging public health challenge and an important social concern in India?

- Ans**
- ☐ A. Anaemia
 - ☐ B. Malnutrition
 - ☒ C. Obesity
 - ☐ D. Tuberculosis

Q.82 According to the Climate Change Performance Index (CCPI) 2026 released at the UN Climate Summit, India dropped 13 places to settle at which specific position?

- Ans**
- ☐ A. 35th position
 - ☐ B. 10th position
 - ☐ C. 15th position
 - ☒ D. 23rd position

Q.83 In May 2026, who created a new national record while winning the gold medal in the 100m race at the Athletics Federation Cup?

- Ans**
- ☒ A. Gurindervir Singh
 - ☐ B. Tejaswin Shankar
 - ☐ C. Rajinder Singh
 - ☐ D. Animesh Kujur

Q.84 Which Indian woman created history by breaking world record for gold medal in the women's 25-m pistol event at SSF World Cup held in May 2026 at Munich?

- Ans**
- ☐ A. Suruchi Singh
 - ☐ B. Rahi Sarnobat
 - ☒ C. Esha Singh
 - ☐ D. Manu Bhaker

Q.85 Which team became the first to hit more than 100 sixes in a single T20 tournament during the 2026 Men's T20 World Cup?

- Ans**
- ☐ A. New Zealand
 - ☒ B. India
 - ☐ C. Australia
 - ☐ D. England

Q.86 The Special Intensive Revision (SIR) exercise that was upheld by the Supreme Court in 2026 was conducted in:

- Ans**
- ☐ A. Uttar Pradesh
 - ☒ B. Bihar
 - ☐ C. West Bengal
 - ☐ D. Tamil Nadu

Q.87 In 2026, the Government of India expanded the "Namami Gange Mission" by launching new aquatic biodiversity conservation initiatives for the Ganga river ecosystem. This initiative is most directly linked with which Sustainable Development Goal (SDG)?

- Ans**
- ☒ A. SDG 14 – Life Below Water
 - ☐ B. SDG 8 – Decent Work and Economic Growth
 - ☐ C. SDG 5 – Gender Equality
 - ☐ D. SDG 16 – Peace, Justice and Strong Institutions

Q.88 What is the name of the indigenous air-to-surface missile for which flight tests were conducted successfully by DRDO and the Indian Air Force in June 2026?

- Ans**
- ☐ A. RudraM-III
 - ☐ B. RudraM-I
 - ☐ C. RudraM-IV
 - ☒ D. RudraM-II

Q.89 Which singer, a legend of Indian film music, passed away in April 2026 at the age of 92?

- Ans**
- ☒ A. Asha Bhosle
 - ☐ B. Mohammed Rafi
 - ☐ C. Lata Mangeskar
 - ☐ D. Kishore Kumar

Q.90 Which country hosted the 2026 AFC Women's Asian Cup football tournament?

- Ans**
- ☒ A. Australia
 - ☐ B. South Korea
 - ☐ C. Japan
 - ☐ D. China

Q.91 Who was sworn in as the chief minister of Tamil Nadu in May 2026?

- Ans**
- ☐ A. Udayanidhi Stalin
 - ☐ B. Kamal Hasan
 - ☐ C. Rajnikant
 - ☒ D. C. Joseph Vijay

Q.92 IMEx-2026, announced by ISRO, offers scientists and startups an opportunity to conduct experiments under which special condition?

- Ans**
- ☐ A. Desert climate simulations
 - ☐ B. High-altitude atmospheric testing
 - ☒ C. Microgravity conditions
 - ☐ D. Deep ocean pressure conditions

Q.93 What was the official theme of International Women's Day on 8 March 2026?

- Ans**
- ☐ A. DigitALL: Innovation and Technology for Gender Equality
 - ☐ B. Invest in Women: Accelerate Progress
 - ☒ C. Rights. Justice. Action. For ALL Women and Girls.
 - ☐ D. I am Generation Equality: Realizing Women's Rights

Q.94 Which state Legislative Assembly passed the **Uniform Civil Code (UCC) Bill, 2026**, on May 27, 2026, making it the third state in India after Uttarakhand and Gujarat to enact such legislation?

- Ans**
- ☐ A. Telangana
 - ☐ B. West Bengal
 - ☒ C. Assam
 - ☐ D. Himachal Pradesh

Q.95 Which Union Government Ministry initiated a nationwide annual health check-up for all workers aged 40 years and above in May 2026?

- Ans**
- ☒ A. Ministry of Labour and Employment
 - ☐ B. Ministry of Health and Family Welfare
 - ☐ C. Ministry of Social Justice and Empowerment
 - ☐ D. Ministry of Rural Development

Q.96 Suvendu Adhikari of the Bharatiya Janata Party (BJP) was named the Chief Minister of which state in May 2026?

- Ans**
- ☐ A. Gujarat
 - ☐ B. Maharashtra
 - ☐ C. Odisha
 - ☒ D. West Bengal

Q.97 Which two organizations signed a Memorandum of Understanding during the visit of European leaders to India on 27.01.2026?

- Ans**
- ☒ A. Reserve Bank of India and European Securities and Markets Authority
 - ☐ B. European Securities and Markets Authority and Small Industries Development Bank of India
 - ☐ C. State Bank of India and European Bank for Reconstruction and Development
 - ☐ D. European Securities and Markets Authority and National Bank for Agriculture and Rural Development

Q.98 The Central Armed Police Forces (General Administration) Bill, 2026, introduced which major reform regarding senior leadership appointments in India's Central Armed Police Forces?

- Ans**
- ☐ A. Director General posts can only be filled through state police promotions
 - ☐ B. All Inspector General posts must be filled through direct recruitment
 - ☐ C. At least 50% of constable-level posts must be reserved for ex-servicemen
 - ☒ D. All Special Director General and Director General posts must be filled through deputation

Q.99 Who among the following was honored with the Padma Vibhushan in January 2026 for their contribution to Public Affairs?

- Ans**
- ☐ A. P. Narayanan
 - ☐ B. N. Rajam
 - ☒ C. K. T. Thomas
 - ☐ D. Dharmendra Singh Deol

Q.100 In May 2026, the BRICS Foreign Ministers' Meeting was hosted by which country?

- Ans**
- ☐ A. Brazil
 - ☐ B. China
 - ☐ C. Russia
 - ☒ D. India



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Indraprastha Public School
Test Date	05/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A science museum is designing a demonstration to explain why the sky appears blue during the day but takes on reddish hues during sunrise and sunset. Which explanation best accounts for these observations based on the scattering of light in the atmosphere?

- Ans**
- ☐ A. The Sun emits more blue light during the day, while emitting more red light at sunset.
 - ☐ B. Atmospheric absorption removes red light during the day, while removing blue light at sunset.
 - ☐ C. Dust particles scatter all wavelengths equally, while increased dust at sunset makes red light more visible.
 - ☒ D. Shorter wavelengths scatter more strongly, while longer atmospheric paths at sunset favour red wavelengths.

Q.2 In an experiment, a metal rod moves northward across a horizontal magnetic field directed east. According to Fleming's Right Hand Rule, what is the direction of the induced current in the rod?

- Ans**
- ☐ A. The induced current flows eastward
 - ☐ B. The induced current flows vertically upward
 - ☒ C. The induced current flows vertically downward
 - ☐ D. The induced current flows westward

Q.3 Machine M does 600 J of work in 20 s. Machine N does 900 J of work in 15 s. Which statement is correct?

- Ans**
- ☐ A. Both machines develop the same power.
 - ☒ B. Machine N develops twice the power of Machine M.
 - ☐ C. Machine N develops 1.5 times the power of Machine M.
 - ☐ D. Machine M develops greater power.

Q.4 Which chamber of the human heart pumps blood directly to the lungs for oxygenation?

- Ans**
- ☒ A. Right ventricle
 - ☐ B. Right atrium
 - ☐ C. Left atrium
 - ☐ D. Left ventricle

Q.5 Which statement correctly compares the particle size in a suspension with that in a solution?

- Ans**
- ☒ A. Suspension particles are larger than solution particles
 - ☐ B. Both have equal particle size
 - ☐ C. Suspension particles are molecular in size and solution particles are atoms
 - ☐ D. Suspension particles are smaller than solution particles

Q.6 Which arrangement will result in the greatest induced current in a wire loop?

- Ans
- ☐ A. Moving the loop slowly into a weak magnetic field
 - ☐ B. Moving the loop parallel to the field lines
 - ☒ C. Moving the loop quickly into a strong magnetic field
 - ☐ D. Keeping the loop stationary in a magnetic field

Q.7 Which of the following statements correctly identifies a key property of diamond, an allotrope of carbon, that distinguishes it from graphite?

- Ans
- ☐ A. Diamond exists in a layered structure like graphite.
 - ☒ B. Diamond is a non-conductor of electricity due to the absence of free electrons.
 - ☐ C. Diamond conducts electricity because of delocalised electrons.
 - ☐ D. Diamond has soft layers that slide over each other.

Q.8 What is a unique function of the forebrain compared to other brain regions?

- Ans
- ☒ A. It receives sensory impulses
 - ☐ B. It releases hormones
 - ☐ C. It controls balance
 - ☐ D. It regulates heartbeat

Q.9 A student moves a lighted candle from infinity towards the focus of a convex lens. How does the size of the image change?

- Ans
- ☐ A. The image decreases in size
 - ☐ B. The image remains the same size throughout
 - ☐ C. The image disappears
 - ☒ D. The image increases in size

Q.10 All of the following processes consume atmospheric oxygen, EXCEPT:

- Ans
- ☒ A. Photosynthesis by green plants
 - ☐ B. Respiration by plants
 - ☐ C. Respiration by animals
 - ☐ D. Combustion of fossil fuels

Q.11 When magnesium metal reacts with hot water, what is the main product formed alongside hydrogen gas?

- Ans
- ☐ A. Copper hydroxide
 - ☐ B. Iron hydroxide
 - ☒ C. Magnesium hydroxide
 - ☐ D. Magnesium oxide

Q.12 Which of the following best represents the correct unit for average velocity in the SI system?

- Ans
- ☐ A. foot per second
 - ☒ B. meter per second
 - ☐ C. centimeter per minute
 - ☐ D. kilometer per hour

Q.13 A zoologist compares the claws of arboreal and terrestrial mammals. Which of these defines the structural difference primarily indicating their adaptation?

- Ans
- ☐ A. The dual role of providing camouflage in their habitat
 - ☐ B. Equal sharpness developed primarily for defensive needs
 - ☐ C. A uniform increase in claw length across all arboreal species
 - ☒ D. Suitability for climbing versus walking on flat ground

Q.14 Which of the following statements about a homologous series are CORRECT?

All members have the same general formula.

Each successive member differs by a $-\text{CH}_2-$ group.

Physical properties remain identical for all members.

- Ans
- ☐ A. Only 2 and 3
 - ☐ B. Only 1 and 3
 - ☒ C. Only 1 and 2
 - ☐ D. 1, 2, and 3

Q.15 Which characteristic is unique to meristematic tissue in plants?

- Ans
- ☒ A. Cells are capable of continuous division
 - ☐ B. Cells transport water and minerals
 - ☐ C. Cells mainly provide mechanical support
 - ☐ D. Cells have thick secondary walls

Q.16 Which of the following statements related to dispersion are true?

- (1) Red light bends the most when passing through a glass prism.
- (2) The angle of deviation is the same for all colours.
- (3) Dispersion is one of the phenomenon responsible for the formation of a rainbow.
- (4) The speed of light decreases as the light goes from air into the prism.

- Ans
- ☐ A. Both statements 2 and 4 only
 - ☒ B. Both statements 3 and 4 only
 - ☐ C. Both statements 1 and 3 only
 - ☐ D. Both statements 1 and 2 only

Q.17 Consider the reaction:



Based on the oxygen-hydrogen definition of redox reactions, which substance undergoes reduction in this reaction?

- Ans
- ☐ A. Hydrogen chloride loses hydrogen
 - ☐ B. Chlorine gas forms by oxidation
 - ☒ C. Manganese dioxide loses oxygen
 - ☐ D. Water forms after oxygen gain

Q.18 Which of the following devices earlier used CFCs extensively?

- Ans
- ☐ A. Solar cooker
 - ☐ B. Bicycle
 - ☐ C. Water purifier
 - ☒ D. Refrigerator

Q.19 Chlorine occurs in nature in two isotopic forms, with masses 35 u and 37 u, then average atomic mass of chlorine atom estimated would have been:

- Ans
- ☐ A. 34.5 u
 - ☐ B. 35.2 u
 - ☐ C. 35 u
 - ☒ D. 35.5 u

Q.20 Which colour change does phenolphthalein show in a basic solution?

- Ans**
- ☒ A. Colourless to pink gradually
 - ☐ B. Yellow to red immediately
 - ☐ C. White to green when shaken
 - ☐ D. Blue to colourless instantly

Q.21 Dead structures are often "hard and rigid." Which simple permanent tissue is mainly made of dead cells that provide mechanical strength to plants?

- Ans**
- ☐ A. Meristematic tissue
 - ☒ B. Sclerenchyma
 - ☐ C. Epidermis
 - ☐ D. Parenchyma

Q.22 When potassium reacts with chlorine to form potassium chloride, which formula correctly represents the resulting compound based on their combining ratios?

- Ans**
- ☐ A. K_2Cl_2
 - ☐ B. KCl_2
 - ☒ C. KCl
 - ☐ D. K_2Cl

Q.23 A machine completes a task requiring 3000 J of work in half a minute. The average power delivered by the machine is ____.

- Ans**
- ☐ A. 10 W
 - ☐ B. 300 W
 - ☒ C. 100 W
 - ☐ D. 30 W

Q.24 In a grassland food chain, the maximum accumulation of a chemical pesticide would be found in:

- Ans**
- ☐ A. Frog
 - ☐ B. Grass
 - ☒ C. Hawk
 - ☐ D. Grasshopper

Q.25 A car increases its velocity from 10 m/s to 30 m/s in 5 seconds. What is the acceleration of the car?

- Ans**
- ☐ A. 6 m/s^2
 - ☐ B. 10 m/s^2
 - ☒ C. 4 m/s^2
 - ☐ D. 2 m/s^2

Section : Mathematics

Q.26 Divide ₹16,165 between Prateek and Siva Prasad such that Prateek's share at the end of 3 years is equal to Siva Prasad's share at the end of 5 years, with compound interest at 20% per annum, compounded annually. Then Prateek's share is:

- Ans**
- ☐ A. ₹6625
 - ☐ B. ₹9144
 - ☐ C. ₹7021
 - ☒ D. ₹9540

Q.27 Arrange the following in descending order: 16^6 , 27^4 , 5^{12} .

- Ans
- ☐ A. $27^4 > 5^{12} > 16^6$
 - ☐ B. $27^4 > 16^6 > 5^{12}$
 - ☒ C. $5^{12} > 16^6 > 27^4$
 - ☐ D. $16^6 > 5^{12} > 27^4$

Q.28 Find the Arithmetic mean of the following data:

x_i	5	12	10	15	18
f_i	24	25	28	30	40

(Answer correct to two decimal places)

- Ans
- ☐ A. 10.66
 - ☐ B. 16.72
 - ☒ C. 12.72
 - ☐ D. 11.72

Q.29 A shopkeeper increases the price of an article by 20% above the cost price and then offers a discount of 25% on the new price. Later, he again increases the discounted price by 10%. If the cost price of the article was ₹500, what is the final price of the article?

- Ans
- ☐ A. ₹490
 - ☐ B. ₹485
 - ☒ C. ₹495
 - ☐ D. ₹510

Q.30 A train with a speed of 126 km/hr crosses a bridge in 50 seconds. Another train 150 m longer than the first train, crosses the same bridge at 90 km/hr. The time (in seconds) taken by the second train to cross the bridge, is:

- Ans
- ☐ A. 70
 - ☐ B. 68
 - ☒ C. 76
 - ☐ D. 74

Q.31 A steel factory constructs a closed cylindrical tank. The entire outer surface (including top and bottom) is painted at ₹3 per cm^2 . The total painting cost is ₹2,772. If the height of the cylinder is twice its radius, what is its volume? (Use $\pi = \frac{22}{7}$)

- Ans
- ☒ A. $2,156 \text{ cm}^3$
 - ☐ B. $2,236 \text{ cm}^3$
 - ☐ C. $2,282 \text{ cm}^3$
 - ☐ D. $2,246 \text{ cm}^3$

Q.32 A person spends 70% of his income and saves ₹6,000. Find his total income.

- Ans
- ☐ A. ₹22,000
 - ☐ B. ₹18,000
 - ☒ C. ₹20,000
 - ☐ D. ₹24,000

Q.33 If $\tan A = \frac{27}{36}$ and A is an acute angle, find the value of $\sqrt{1 + \frac{2\sin A}{5\cos A}}$.

- Ans
- ☒ A. $\frac{3\sqrt{3}}{17}$
 - ☐ B. $5\sqrt{\frac{3}{17}}$
 - ☐ C. $3\sqrt{\frac{3}{17}}$
 - ☐ D. $\frac{5\sqrt{3}}{17}$

Q.34 A factory buys 10 machines: 6 of Machine A, 4 of Machine B. Their prices are ₹20300 and ₹87000, respectively. Find the average cost of the machines.

- Ans
- ☐ A. ₹46970
 - ☐ B. ₹46990
 - ☒ C. ₹46980
 - ☐ D. ₹46960

Q.35 If 7, 14.2, 21.7, and x are in proportion, what is the value of x?

- Ans
- ☐ A. 48.08
 - ☐ B. 50.12
 - ☐ C. 46.04
 - ☒ D. 44.02

Q.36 If $\operatorname{cosec} A = \sqrt{10}$, find the value of $\frac{3\sin^2 A + 4\cot^2 A}{6(\tan^2 A + \cos^2 A)}$.

- Ans
- ☐ A. $\frac{726}{91}$
 - ☐ B. $\frac{1017}{182}$
 - ☒ C. $\frac{1089}{182}$
 - ☐ D. $\frac{545}{91}$

Q.37 The surface area of a sphere is numerically equal to the volume of the same sphere. What is the radius of the sphere?

- Ans
- ☐ A. 9 units
 - ☐ B. 6 units
 - ☒ C. 3 units
 - ☐ D. 4 units

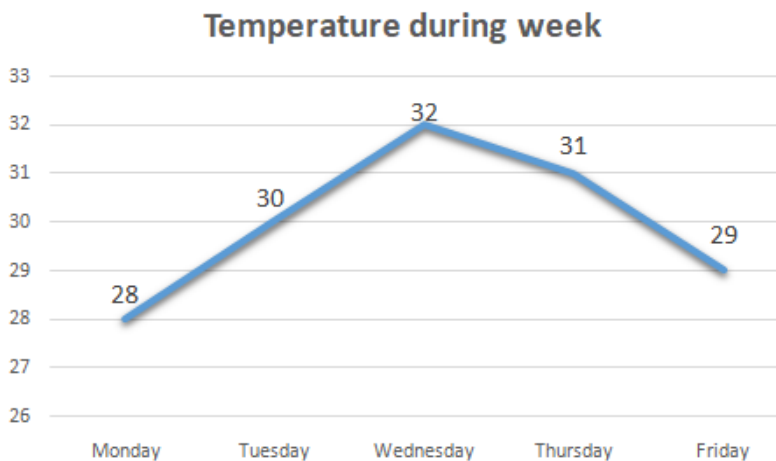
Q.38 If the simple interest on ₹4,000 for 3 years is ₹960, what is the rate of interest per annum?

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

Q.39 Two numbers are, respectively, 15% and 40% more than the third number. What is the ratio between the two numbers?

- Ans** ☒ A. 23 : 28
☐ B. 20 : 28
☐ C. 24 : 28
☐ D. 23 : 26

Q.40 The given line graph data shows the temperature (in °C) recorded during a week. On which day was the second highest temperature recorded?



- Ans** ☐ A. Wednesday
☒ B. Thursday
☐ C. Friday
☐ D. Tuesday

Q.41 Let A be a regular polygon such that the sum of the interior angles of A is 2340° . Find the number of diagonals of A.

- Ans** ☒ A. 90
☐ B. 86
☐ C. 120
☐ D. 100

Q.42 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 78% and 43%, shop II allows successive discounts of 74% and 83%, shop III allows successive discounts of 15% and 93%, and shop IV allows successive discounts of 93%, 84%, and 42% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. IV
☐ B. III
☐ C. I
☐ D. II

Q.43 Given that $148^{0.27} = x$, $148^{0.51} = y$ and $x^z = y^6$, then the value of z is close to:

- Ans** ☒ A. 11.33
☐ B. 10.11
☐ C. 12.22
☐ D. 13.37

Q.44 A trader buys an article for ₹350 and sells it for ₹420. Find his profit percentage.

- Ans**
- ☐ A. 15%
 - ☐ B. 25%
 - ☐ C. 30%
 - ☒ D. 20%

Q.45 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 8 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

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

Q.46 A student is travelling to an examination center. If he travels by his bicycle at 10 km/hr, he will be 15 minutes late. If he travels by an auto at 12 km/hr, he will be 5 minutes early. What is the distance to the examination center?

- Ans**
- ☐ A. 24 km
 - ☐ B. 15 km
 - ☒ C. 20 km
 - ☐ D. 18 km

Q.47 The compound interest on a sum for two years is ₹1,560 and the corresponding simple interest is ₹1,500. Find the compound interest on the same sum at the same rate of interest for 3 years.

- Ans**
- ☐ A. ₹2634.80
 - ☐ B. ₹2456.40
 - ☒ C. ₹2434.80
 - ☐ D. ₹2260.20

Q.48 The mean and the mode of a set of data are 16.4 and 24, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

- Ans**
- ☐ A. 20.7
 - ☐ B. 20.4
 - ☒ C. 18.9
 - ☐ D. 19.6

Q.49 Rahul visits the library every 6 days, Priya visits every 8 days, and Amit visits every 12 days. If all three meet at the library today, after how many days will they all next meet there?

- Ans**
- ☐ A. 28 days
 - ☐ B. 16 days
 - ☐ C. 20 days
 - ☒ D. 24 days

Q.50 If the ratio of the present age of Anusha to the present age of Vishnu is 8:5 and the sum of their present ages is 78 years, find the present age of Vishnu.

- Ans**
- ☒ A. 30 years
 - ☐ B. 34 years
 - ☐ C. 32 years
 - ☐ D. 36 years

Q.51 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RLQ :: QKP : %

- Ans**
- ☒ A. # = OIN, % = TNS
 - ☐ B. # = OLN, % = TNU
 - ☐ C. # = PON, % = TJU
 - ☐ D. # = OOI, % = YYS

Q.52 PURE is related to URWB in a certain way based on the English alphabetical order. In the same way, RING is related to WFSD. To which of the given options is SOUL related, following the same logic?

- Ans**
- ☐ A. XZIL
 - ☐ B. NLPI
 - ☐ C. NPIL
 - ☒ D. XLZI

Q.53 This question is based on the five, three-digit numbers given below.

(Left) 531 579 211 298 567 (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 second digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☐ A. 12
 - ☐ B. 9
 - ☐ C. 7
 - ☒ D. 8

Q.54 A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. F lives on an even numbered floor but not 4. The sum of floors on which F and H live is 9. Only 3 people live between G and D. The sum of floors on which S and D live is 3. What is the sum of floors on which A and G live?

- Ans**
- ☐ A. 11
 - ☐ B. 10
 - ☒ C. 9
 - ☐ D. 8

Q.55 What should come in place of ? in the given series based on the English alphabetical order?

JPT INQ HLN GJK ?

- Ans**
- ☒ A. FHH
 - ☐ B. FIH
 - ☐ C. FHI
 - ☐ D. FII

Q.56 Mahek starts from Point A and drives 53 km towards north. He then takes a left turn, drives 65 km, turns left and drives 68 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? (All turns are 90-degree turns only unless specified.)

- Ans** ☒ A. 2 km to the west
☐ B. 1 km to the west
☐ C. 2 km to the south
☐ D. 2 km to the east

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

93 100 114 135 163 ?

- Ans** ☐ A. 196
☐ B. 201
☐ C. 203
☒ D. 198

Q.58 W, I, N, T, E, R and S are sitting around a circular table facing the centre of the table.
I sits third to the left of N. Only one person sits between N and W when counted from the left of W. Only two people sit between S and E when counted from the right of E. R is an immediate neighbor of S. Who sits third to the right of T?

- Ans** ☐ A. W
☐ B. S
☒ C. I
☐ D. R

Q.59 Kiran starts from point B and drives 15 km towards South. He then takes a left turn, drives 8 km, turns right, and drives 5 km. He then takes a right turn and drives 8 km. Finally, he takes a 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 B again? (All turns are 90-degree turns only unless specified.)

- Ans** ☐ A. 7 km towards West
☐ B. 6 km towards East
☒ C. 7 km towards North
☐ D. 5 km towards East

Q.60 Refer to the given 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) # 3 & * 7 @ \$ 8 * > 4 4 \ 2 3 \ & 8 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. 2
☒ B. 1
☐ C. 0
☐ D. 3

- Q.61** 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 books are pens.

No pen is a paper.

Conclusions:

(I) Some books are papers.

(II) No book is a paper.

- 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.62** Each vowel in the word COLLECT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be first from the right in the new group of letters thus formed?

- Ans**
- ☐ A. B
 - ☐ B. F
 - ☒ C. S
 - ☐ D. K

- Q.63** What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$41 - 25 + 2 \times 1 \div 15 = ?$$

- Ans**
- ☐ A. 38
 - ☐ B. 37
 - ☒ C. 36
 - ☐ D. 34

- Q.64** L, B, C, D, G and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6. Only five people live below G. Only two people live between M and G. L lives immediately below C but not on an odd-numbered floor. B does not live on an even-numbered floor. How many people live between D and C?

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

Q.65 This question is based on the five, three-digit numbers given below.

(Left) 131 419 169 214 899 (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 first digit of the lowest number?

- Ans ☒ A. 10
☐ B. 13
☐ C. 9
☐ D. 11

Q.66 KRPM is related to QXVS in a certain way based on the English alphabetical order. In the same way, FMKH is related to LSQN. To which of the following is AHFC related, following the same logic?

- Ans ☐ A. GNIL
☐ B. NGLI
☐ C. NGIL
☒ D. GNLI

Q.67 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 S related to N if 'S – E x W ÷ T + N'?

- Ans ☒ A. Mother's brother
☐ B. Mother's sister
☐ C. Brother
☐ D. Father

Q.68 E is the father of F. F is the mother of G. G is the wife of H. How is F related to H?

- Ans ☐ A. Husband
☒ B. Wife's Mother
☐ C. Mother
☐ D. Husband's Mother

Q.69 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

11 - 31
2 - 22

- Ans ☒ A. 9 - 29
☐ B. 45 - 96
☐ C. 5 - 35
☐ D. 19 - 35

Q.70 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

5 - 20 - 16 - 64 ; 7 - 28 - 24 - 96

- Ans**
- ☒ A. 9 - 36 - 33 - 120
 - ☒ B. 11 - 21 - 17 - 69
 - ☒ C. 8 - 32 - 28 - 120
 - ☒ D. 6 - 24 - 20 - 80

Q.71 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) X # \$ L K M O > ? A S + T % @ A P & ? X Z R @ * + # I O ? & @ E R \$ Y U ? (Right)

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

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

Q.72 Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

C sits fourth to the left of E. D sits fourth to the right of Q. Only two people sit between E and Q when counted from the left of E. O is not an immediate neighbor of E.

Who sits third to the right of P?

- Ans**
- ☒ A. Q
 - ☒ B. D
 - ☒ C. O
 - ☒ D. C

Q.73 Mr. Samten starts from Point A and drives 15 km towards south. He then takes a left turn, drives 9 km, again turns left and drives 42 km. Next, he takes a left turn, drives 11 km, turns left and drives 17 km. He then takes a right turn and drives 10 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. 16 km towards north
 - ☒ B. 12 km towards south
 - ☒ C. 16 km towards west
 - ☒ D. 12 km towards east

Q.74 If '+' means 'subtraction', '-' means 'multiplication', '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$12 - 2 + 48 \times 3 \div 14 = ?$$

- Ans**
- ☒ A. 22
 - ☒ B. 27
 - ☒ C. 16
 - ☒ D. 11

Q.75 Each vowel in the word CONTAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

- Ans** ☒ A. Q
☒ B. P
☒ C. R
☒ D. O

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 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. AFL
☒ B. JOT
☒ C. EJP
☒ D. DIO

Q.77 Harish ranked 54th from the top and 78th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 131
☒ B. 130
☒ C. 133
☒ D. 132

Q.78 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $4 \div 3 + 16 \times 4 - 4 = ?$

- Ans** ☒ A. 6
☒ B. 10
☒ C. 12
☒ D. 8

Q.79 Refer to the following letter, symbol series and answer the question.

(Left) E B M + ? # N \$ @ + ? N P % F \$ E R T # + # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

- Ans** ☒ A. \$
☒ B. =
☒ C. @
☒ D. +

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 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. HMI
☒ B. OSP
☒ C. WAX
☒ D. FJG

Q.81 Which actor was posthumously conferred with Padma Vibhushan award by government of India in 2026?

- Ans**
- ☐ A. Raj Kumar
 - ☐ B. Manoj Kumar
 - ☒ C. Dharmendra Singh Deol
 - ☐ D. Rishi Kapoor

Q.82 In February 2026, which ministry released the draft of the Defence Acquisition Procedure (DAP) 2026?

- Ans**
- ☐ A. Ministry of Finance
 - ☒ B. Ministry of Defence
 - ☐ C. Ministry of External Affairs
 - ☐ D. Ministry of Heavy Industries

Q.83 In FY 2026, which expenditure category, with a growth of 7.0%, indicated strengthening consumer demand?

- Ans**
- ☐ A. Government Capital Expenditure
 - ☐ B. Defence Expenditure
 - ☒ C. Private Final Consumption Expenditure
 - ☐ D. Export Expenditure

Q.84 According to the Responsible Nations Index (RNI) 2026, which evaluates countries based on their contribution to global well-being and international responsibility, what rank was secured by India?

- Ans**
- ☒ A. 16th position globally
 - ☐ B. 10th position globally
 - ☐ C. 12th position globally
 - ☐ D. 18th position globally

Q.85 The national-level celebration of National Science Day, organized by the Department of Science and Technology at Vigyan Bhawan in New Delhi during 2026, was conducted under which official theme?

- Ans**
- ☐ A. Integrated Approach in S&T for Sustainable Future
 - ☐ B. The Role of Science in National Development
 - ☐ C. Indigenous Technologies for Viksit Bharat
 - ☒ D. Women in Science: Catalysing Viksit Bharat

Q.86 The Supreme Court's observation that access to trauma care forms an inseparable part of the Right to Life was made under which Article of the Constitution of India?

- Ans**
- ☐ A. Article 19
 - ☐ B. Article 32
 - ☒ C. Article 21
 - ☐ D. Article 25

Q.87 According to Stanford University's 2025 Global AI Vibrancy Tool report, what was India's global ranking in Artificial Intelligence competitiveness?

- Ans**
- ☐ A. Fourth position
 - ☐ B. Seventh position
 - ☐ C. Fifth position
 - ☒ D. Third position

Q.88 Which Indian Institute of Technology (IIT) introduced Omega Ball, in April 2026, an innovative three-team football format, marking its debut in India?

- Ans**
- ☐ A. IIT Mumbai
 - ☐ B. IIT Kharagpur
 - ☐ C. IIT Delhi
 - ☒ D. IIT Madras

Q.89 Which football club was honored as the Laureus World Team of the Year in 2026 after capturing its historic first-ever UEFA Champions League title?

- Ans**
- ☐ A. Bayern Munich
 - ☐ B. Manchester City
 - ☐ C. Real Madrid
 - ☒ D. Paris Saint-Germain

Q.90 The 14th edition of Joint Military Exercise EKUVERIN, conducted from 2–15 December 2025 at Thiruvananthapuram, involved the Indian Army contingent from the Garhwal Rifles and which of the following armed forces personnel?

- Ans**
- ☐ A. The Sri Lanka Army Special Forces Command
 - ☒ B. The Maldives National Defence Force (MNDF)
 - ☐ C. The Seychelles People's Defence Forces
 - ☐ D. The Mauritius Police Special Mobile Force

Q.91 Which country participated as a partner country in Gulfood 2026, the world's largest annual food and beverage sourcing event being held in Dubai from January 26-30, 2026?

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

Q.92 Who won the gold medal in the men's 60m event at the National Indoor Athletics Championships 2026?

- Ans**
- ☐ A. Animesh Kujur
 - ☒ B. Gurindervir Singh
 - ☐ C. Mohammed Afsal
 - ☐ D. Reegan Ganesh

Q.93 What is the primary objective of the National Project approved by the MoPR and NDMA in December 2025 (unfolding in 2026) with an outlay of over Rs 500 crore?

- Ans**
- ☐ A. Constructing underground tsunami shelters in the Andaman Islands
 - ☐ B. Purchasing fire-fighting drones for metro cities
 - ☐ C. Building a new National Cyclone Warning Centre
 - ☒ D. Strengthening community-based disaster risk reduction in Panchayati Raj institutions

Q.94 In 2026, which of the following All India Institute of Medical Sciences (AIIMS) became the first AIIMS in India to host a Gen Z Post Office initiative?

- Ans**
- ☒ A. AIIMS Jammu
 - ☐ B. AIIMS New Delhi
 - ☐ C. AIIMS Patna
 - ☐ D. AIIMS Nagpur

Q.95 Who is the chairman of the international organisation, Board of Peace, which was founded in January 2026?

- Ans**
- ☒ A. Donald J. Trump
 - ☐ B. Alyaksandr Lukashenka
 - ☐ C. Hamad bin Isa Al Khalifa
 - ☐ D. Benjamin Netanyahu

Q.96 The "Nirbhaya Nisha" project, operationalised on March 8, 2026, to ensure safe and independent night travel for women, is an initiative of which Indian state's police force?

- Ans**
- ☐ A. Andhra Pradesh Police
 - ☒ B. Kerala Police
 - ☐ C. Karnataka Police
 - ☐ D. Tamil Nadu Police

Q.97 Who was named the Laureus World Sportswoman of the Year at the 2026 Laureus World Sports Awards?

- Ans**
- ☐ A. Katie Ledecky
 - ☒ B. Aryna Sabalenka
 - ☐ C. Aitana Bonmatí
 - ☐ D. Sydney McLaughlin-Levrone

Q.98 According to the Ministry of Environment, Forest and Climate Change notification issued during 2026, which of the following wildlife sanctuaries was declared an Eco-Sensitive Zone?

- Ans**
- ☐ A. Sultanpur Wildlife Sanctuary
 - ☐ B. Dandeli Wildlife Sanctuary
 - ☐ C. Pobitora Wildlife Sanctuary
 - ☒ D. Kumbhalgarh Wildlife Sanctuary

Q.99 On 30th January 2026, the Ministry of Minority Affairs launched which new modules on the UMEED Central Portal?

- Ans**
- ☐ A. Audit Module and Registration Module
 - ☐ B. Tax Module and Compliance Module
 - ☐ C. Land Record Module and Donation Module
 - ☒ D. Survey Module and Waqf Property Lease Module

Q.100 In February 2026, the Defence Research & Development Organisation (DRDO) successfully demonstrated which advanced propulsion technology from the Integrated Test Range (ITR), Chandipur, Odisha, enabling the development of long-range air-to-air missiles?

- Ans**
- ☐ A. Turbojet propulsion technology
 - ☐ B. Liquid-propellant rocket engine technology
 - ☒ C. Solid Fuel Ducted Ramjet technology
 - ☐ D. Scramjet propulsion technology



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Tupudana
Test Date	05/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following statements is CORRECT regarding the refining of metals?

- Ans ☐ A. Refining is the process of extracting metal from its ore.
☒ B. Refining is used to remove impurities from the extracted metal.
☐ C. Refining is only used for highly reactive metals.
☐ D. Refining involves converting the ore to oxide form.

Q.2 A patient has difficulty transporting absorbed fats from the intestine. Which fluid's impaired function could cause this problem?

- Ans ☐ A. Blood cells
☒ B. Lymph
☐ C. Plasma
☐ D. Platelets

Q.3 A patient has a chronic infection from a eukaryotic organism that reproduces via spores and has a chitin cell wall. Which type of organism is most likely responsible for this infection?

- Ans ☐ A. Algae
☐ B. Protozoa
☐ C. Bacteria
☒ D. Fungus

Q.4 Which of the following properties of carbon leads to the formation of a large number of compounds?

- Ans ☒ A. Catenation and Tetravalency
☐ B. Combustibility and Ductility
☐ C. Malleability and Sonority
☐ D. Non flexibility

Q.5 Consider the conversion of ethanol ($\text{CH}_3\text{CH}_2\text{OH}$) to acetic acid (CH_3COOH) using acidified potassium dichromate:

Statement I: This is an example of an oxidation reaction.

Statement II: Acidified potassium dichromate is an oxidizing agent.

Statement III: Acidified potassium dichromate is a reducing agent.

Which of the following is correct?

- Ans ☐ A. Only I is true
☐ B. I and III are true
☒ C. I and II are true
☐ D. II and III are true

Q.6 Which of the following describes an object moving with uniform motion along a straight line?

- Ans**
- ☒ A. An object traveling at a constant speed in one direction
 - ☐ B. An object stopping and starting repeatedly
 - ☐ C. An object accelerating as it moves forward
 - ☐ D. An object changing direction at intervals

Q.7 Which of the following is commonly used as an olfactory indicator?

- Ans**
- ☒ A. Vanilla essence
 - ☐ B. Litmus
 - ☐ C. Methyl orange
 - ☐ D. Phenolphthalein

Q.8 If a metal and a non-metal is mixed to form a compound, which type of charged species is most likely present, and how are they classified?

- Ans**
- ☐ A. Atoms; classified as protons and neutrons
 - ☒ B. Ions; classified as cations and anions
 - ☐ C. Molecules; classified as acids and bases
 - ☐ D. Elements; classified as metals and non-metals

Q.9 In a simple machine, the force that must be overcome is called the ____.

- Ans**
- ☒ A. Load
 - ☐ B. Effort
 - ☐ C. Power
 - ☐ D. Energy

Q.10 Which of the following is NOT biodegradable?

- Ans**
- ☒ A. Plastic
 - ☐ B. Paper
 - ☐ C. Leather
 - ☐ D. Wool

Q.11 Which energy source is essential to initiate most decomposition reactions successfully?

- Ans**
- ☐ A. Presence of catalyst only
 - ☐ B. Atmospheric pressure alone
 - ☒ C. Heat, light or electrical energy
 - ☐ D. Mechanical stirring force

Q.12 Which statement best identifies a metalloid based on its properties?

- Ans**
- ☐ A. It shows properties that are unrelated to metals and non-metals
 - ☒ B. It shows properties intermediate between metals and non-metals
 - ☐ C. It shows properties identical to metals in all conditions
 - ☐ D. It shows properties identical to non-metals in all conditions

Q.13 A roller coaster car relies solely on gravitational potential energy to travel along a track. Which engineering modification will most effectively maximize the maximum speed of the car at its lowest point?

- Ans**
- ☐ A. Introducing a secondary hill of equivalent height
 - ☒ B. Increasing the starting elevation of the first hill
 - ☐ C. Decreasing the structural mass of the loaded car
 - ☐ D. Replacing the underlying track with wider rails

Q.14 A student observes that the incident ray, the refracted ray, and the normal at the point of incidence all lie in one plane. Which law of refraction does this illustrate?

- Ans
- ☐ A. Law of superposition
 - ☒ B. First law of refraction
 - ☐ C. Law of dispersion
 - ☐ D. Second law of refraction

Q.15 Why are non biodegradable substances harmful to the environment?

- Ans
- ☐ A. They enrich the soil
 - ☐ B. They increase the oxygen level in air
 - ☐ C. They decompose very quickly
 - ☒ D. They persist for a long time and may harm organisms

Q.16 Complete the analogy.

Pollination : Transfer of Pollen :: Fertilisation : _____.

- Ans
- ☒ A. Fusion of gametes
 - ☐ B. Growth of stem
 - ☐ C. Ripening of fruit
 - ☐ D. Absorption of water

Q.17 A car with a mass 2000 kg accelerates at 4 m/s^2 . According to Newton's Second Law, what is the magnitude of the force applied to the car?

- Ans
- ☒ A. 8000 N
 - ☐ B. 2500 N
 - ☐ C. 500 N
 - ☐ D. 1000 N

Q.18 Which of the following statement(s) is/are true?

Statement I: The symbol 'Ag' stands for gold.

Statement II: The symbol 'Pb' represents lead.

- Ans
- ☐ A. Both statements are correct
 - ☒ B. Statement I is incorrect, Statement II is correct
 - ☐ C. Statement I is correct, Statement II is incorrect
 - ☐ D. Both statements are incorrect

Q.19 What is the conventional direction of electric current in a metallic circuit?

- Ans
- ☐ A. From the negative terminal to the positive terminal
 - ☐ B. Randomly between any two points
 - ☒ C. From the positive terminal to the negative terminal
 - ☐ D. In the direction of electron movement

Q.20 A student places a candle beyond the center of curvature of a convex lens. What type of image is most likely to be formed on the other side of the lens?

- Ans
- ☐ A. A virtual and inverted image smaller than the object
 - ☐ B. A real and inverted image of the same size as the object
 - ☒ C. A real and inverted image smaller than the object
 - ☐ D. A virtual and erect image larger than the object

Q.21 What is the main force that pulls water upward through the xylem in tall trees?

- Ans**
- ☐ A. Root pressure
 - ☐ B. Diffusion
 - ☒ C. Transpiration pull
 - ☐ D. Capillary action

Q.22 Why do most plant supportive tissues consist of dead cells, whereas animal supportive tissues are made up of living cells?

- Ans**
- ☐ A. Because dead cells divide faster in plants than in animals
 - ☐ B. Animal tissues are dead to avoid immune reactions
 - ☒ C. Dead cells in plants provide structural strength without requiring energy
 - ☐ D. Plants do not require living cells at all

Q.23 A student places a small candle between the center of curvature and the principal focus of a concave mirror. What type of image will be formed by the mirror according to the ray diagram rules?

- Ans**
- ☐ A. Real, inverted and same size image is produced at the center of curvature
 - ☒ B. Real, inverted and enlarged image is produced beyond the center of curvature
 - ☐ C. Virtual, erect and diminished image is produced between pole and focus
 - ☐ D. Virtual, erect and enlarged image is produced behind the mirror

Q.24 After severe trauma, a bird develops difficulty in body support and movement. Which vertebrate system is primarily affected?

- Ans**
- ☐ A. Basic muscle bands
 - ☐ B. Simple digestive sac
 - ☒ C. Internal skeletal framework
 - ☐ D. External gill arches

Q.25 Why is tungsten used as the filament material in electric bulbs?

- Ans**
- ☐ A. It reacts with nitrogen and argon to create a brighter light.
 - ☐ B. It produces more heat than other metals at lower temperatures.
 - ☐ C. It is the cheapest metal available for manufacturing filaments.
 - ☒ D. It has a high melting point and can withstand high temperatures without melting.

Section : Mathematics

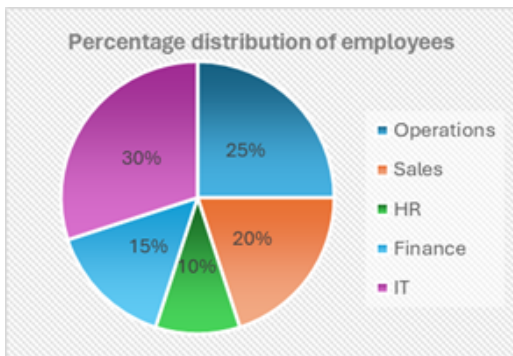
Q.26 What is the least value that must be assigned to A so that the number 455A1280 is divisible by 30?

- Ans**
- ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☒ D. 2

Q.27 If $a:b:c:d = \sqrt{4} : \sqrt{3} : \sqrt{2} : 1$, then what is the value of $\left(\frac{-a^2 + b^2 + c^2}{a^2 - b^2 + c^2} \right)$

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

- Q.28** A company has 1200 employees divided into various departments. The pie chart below shows the percentage distribution of employees across different departments.



If 15% of the employees in the Sales Department are transferred to the IT Department, how many employees will be left in Sales, and what will be the new percentage of IT employees in the company, respectively?

- Ans** ☒ A. 204, and 33%
☐ B. 216, and 33%
☐ C. 216, and 32%
☐ D. 204, and 32%
- Q.29** Kaushal travelled for 1 hour 21 minutes at the speed of 80 km/h. At what speed (in km/h) should he travel to cover the same distance in 12 hours?
- Ans** ☒ A. 9
☐ B. 12
☐ C. 7
☐ D. 8
- Q.30** The 7-digit number 92A224B is divisible by 3. What is the minimum value of (A + B)?
- Ans** ☐ A. 1
☒ B. 2
☐ C. 3
☐ D. 6
- Q.31** Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 42 hours and pipe C can fill the same tank in 7 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:
- Ans** ☒ A. 1
☐ B. 2
☐ C. 3
☐ D. 4
- Q.32** If $\cos A - \sin A = \sqrt{2} \sin A$, then what is the value of $(\cos A - \sin A)/(\cos A + \sin A)$?
- Ans** ☐ A. $\cos A$
☒ B. $\tan A$
☐ C. $\sin A$
☐ D. $\cot A$

Q.33 Two trains are running on parallel tracks in the same direction. The first train, 150 m long, moves at a speed of 54 km/hr, while the second train, 120 m long, runs at 36 km/hr. How long will it take for the first train, coming from behind, to pass the second train completely?

- Ans
- ☐ A. 36 s
 - ☐ B. 40 s
 - ☒ C. 54 s
 - ☐ D. 45 s

Q.34 A quadrilateral plot is in the shape of a trapezium. The lengths of the parallel sides are 40 m and 60 m. The distance between them is 20 m. The plot is to be sold at ₹300 per square metre.

- Ans
- ☐ A. ₹2,54,960
 - ☐ B. ₹2,57,575
 - ☒ C. ₹2,59,800
 - ☐ D. ₹2,56,788

Q.35 The price of a mobile phone increased from ₹20,000 to ₹24,000. Find the percentage increase in price.

- Ans
- ☐ A. 15%
 - ☐ B. 25%
 - ☐ C. 18%
 - ☒ D. 20%

Q.36 The number $1.\overline{074}$, when written in the form $\frac{p}{q}$, is equal to:

- Ans
- ☐ A. $\frac{174}{999}$
 - ☒ B. $\frac{29}{27}$
 - ☐ C. $\frac{37}{27}$
 - ☐ D. $\frac{274}{999}$

Q.37 For a given data, if mean is 45.76 and mode is 29.44, then find the median using empirical formula.

- Ans
- ☐ A. 41.34
 - ☒ B. 40.32
 - ☐ C. 42.45
 - ☐ D. 43.78

Q.38 The circumference of the base of a solid cone is 16π cm and the height is 12 cm. The cost of painting this solid at a rate of ₹14 per square cm (Use $\pi = \frac{22}{7}$).

- Ans
- ☐ A. ₹8,822
 - ☐ B. ₹8,921
 - ☐ C. ₹8,910
 - ☒ D. ₹8,800

Q.39 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 59% and 97%, shop II allows successive discounts of 67% and 14%, shop III allows successive discounts of 13% and 18% and shop IV allows successive discounts of 80%, 46%, and 90% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. III
☒ B. IV
☒ C. II
☒ D. I

Q.40 What will be the average of 5, 6, 7, 8, 9,, 66, 67, 68, 69, 70, 71?

- Ans** ☒ A. 36
☒ B. 38
☒ C. 32
☒ D. 34

Q.41 Three numbers are in the ratio 4:5:6. If the sum of the largest and smallest numbers is 165 more than the third number, what is the largest number?

- Ans** ☒ A. 196
☒ B. 194
☒ C. 198
☒ D. 192

Q.42 A beautician buys some beauty products worth ₹9,500 but later sells them for ₹7,885. Find her loss percentage.

- Ans** ☒ A. 17%
☒ B. 11%
☒ C. 13%
☒ D. 19%

Q.43 If $a + b = 9$ and $ab = 13$, then the value of $(a^2 + b^2)(a^3 + b^3)$ is:

- Ans** ☒ A. 20,390
☒ B. 20,590
☒ C. 20,190
☒ D. 20,790

Q.44 Ten observations written in descending order are 45, 34, 32, 30, $2x - 15$, $x + 3$, 17, 15, 14, and 8. If the median is 24, then find the value of x .

- Ans** ☒ A. 21
☒ B. 20
☒ C. 24
☒ D. 25

Q.45 A sum of money amounts to ₹9,016 at the rate of 12% compound interest per annum, compounded annually for 2 years. The sum of money is:

- Ans** ☒ A. ₹7,163.50
☒ B. ₹7,187.50
☒ C. ₹7,189.50
☒ D. ₹7,175.50

Q.46 Gopal had ₹1,681 with him. He divided this amount between his sons, Akshay and Arjun, and asked them to invest their respective shares at a rate of 5% per annum, compounded annually. It was observed that Akshay and Arjun received the same amount after 15 years and 16 years, respectively. How much (in ₹) did Gopal give to Akshay?

- Ans**
- ☒ A. 711
 - ☒ B. 861
 - ☒ C. 920
 - ☒ D. 820

Q.47 If $\sin\theta + \cos\theta = \sqrt{2}$, find $\sin\theta\cos\theta$.

- Ans**
- ☒ A. $\frac{1}{2}$
 - ☒ B. 0
 - ☒ C. 1
 - ☒ D. $\frac{1}{\sqrt{2}}$

Q.48 In an isosceles triangle UVW, $UV = UW = 25$ cm and $VW = 14$ cm, find the area of triangle UVW.

- Ans**
- ☒ A. 154 cm^2
 - ☒ B. 192 cm^2
 - ☒ C. 168 cm^2
 - ☒ D. 180 cm^2

Q.49 Riya deposited ₹5,000 in a bank at a rate of 6% per annum. What will be the simple interest earned after 3 years?

- Ans**
- ☒ A. ₹750
 - ☒ B. ₹600
 - ☒ C. ₹1000
 - ☒ D. ₹900

Q.50 If the price of a pen decreases from ₹24 to ₹18, the percentage decrease is:

- Ans**
- ☒ A. 35%
 - ☒ B. 25%
 - ☒ C. 5%
 - ☒ D. 15%

Section : General Intelligence and Reasoning

Q.51 If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 5216438, how many digits will appear more than once in the new number thus formed?

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

Q.52 This question is based on the given words.

RUN FAR TON OLD

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.53 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) W P A P I W I U T X S Z M T Q F W B Z (Right)

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

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

Q.54 Six people, C, D, E, O, P and Q, are sitting in a row, facing north. Only two people sit between O and P. Only Q sits to the right of C. P sits immediately to the left of C. D sits at some place to the right of E. How many people sit between Q and E?

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

Q.55 What should come in place of the question mark (?) in the given series?

391 406 436 481 541 ?

- Ans
- ☐ A. 622
 - ☒ B. 616
 - ☐ C. 659
 - ☐ D. 639

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 conclusion(s) logically follow(s) from the statements.

Statements:

Some wheels are chairs.

No chair is a table.

Conclusion (I): Some wheels are tables.

Conclusion (II): Some tables are wheels.

- Ans
- ☐ A. Only conclusion (II) definitely follows
 - ☐ B. Only conclusion (I) definitely follows
 - ☐ C. Both conclusion (I) and conclusion (II) definitely follow
 - ☒ D. Both conclusion (I) and conclusion (II) definitely do not follow

Q.57 Refer to the following number and symbol series and answer the question that follows. (All numbers are single-digit numbers only.)

(Left) 2 # 1 ^ 5 \$ @ 8 + & 5 \$ 2 ! 9 + ? ^ 4 @ 5 8 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans
- ☐ A. 9
 - ☒ B. 8
 - ☐ C. 5
 - ☐ D. 1

Q.58 In a certain code language,

A ^ B means 'A is the wife of B',
A ! B means 'A is the mother of B',
A £ B means 'A is the father of B' and
A € B means 'A is the daughter of B'.

Based on the above, how is P related to U if 'P ^ Q £ S ! T € U'?

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

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 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. ZDA
 - ☐ B. LPM
 - ☐ C. MQN
 - ☒ D. KPL

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?

$$30 + 12 \times 2 - 8 \div 4 = ?$$

- Ans
- ☐ A. 102
 - ☒ B. 56
 - ☐ C. 103
 - ☐ D. 100

Q.61 All 73 people standing in a row are facing North. Denise is 38th from the right end while Lorenz is 44th from the left end. How many people are there between Denise and Lorenz?

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

Q.62 What should come in place of ? in the given series based on the English alphabetical order?

EJW DHV CFU BDT ?

- Ans**
- ☐ A. ABR
 - ☐ B. ACS
 - ☒ C. ABS
 - ☐ D. ACR

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' and
A ÷ B means 'A is the father of B'.

How is S related to N if 'S + E - W ÷ T × N'?

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

Q.64 In a certain code language, 'PARK' is coded as '6795' and 'RACK' is coded as '9562'.
How is 'C' coded in that language?

- Ans**
- ☐ A. 5
 - ☒ B. 2
 - ☐ C. 9
 - ☐ D. 6

Q.65 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SVX :: GJL : %

- Ans**
- ☐ A. # = ILN , % = QLP
 - ☐ B. # = ILD , % = QTH
 - ☒ C. # = ILN , % = QTV
 - ☐ D. # = IRN , % = QTL

Q.66 W, I, N, T, E, R and S are sitting around a circular table facing the centre of the table. R sits fourth to the right of N. Only two people sit between S and W when counted from the left of S. I sits third to the left of E. T is an immediate neighbor of E and W. How many people between R and T when counted from the left of T?

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

Q.67 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Av, Bg, Cz, Dy and Em are sitting around a circular table, facing the centre. Who sits to the immediate right of Cz?

(I) Dy sits second to the right of Em. Bg sits to the immediate left of Dy.

(II) Em sits to the immediate left of Bg. Dy is the immediate neighbour of Av and Bg.

- Ans**
- ☒ A. Data in statement II alone is sufficient to answer the question while data in statement I is not
 - ☐ B. Data in statement I alone is sufficient to answer the question while data in statement II is not
 - ☐ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
 - ☐ D. Data in statements I and II together are NOT sufficient to answer the question

Q.68 Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. Only three boxes are kept below Y. Only two boxes are kept between Y and G. Only B is kept above H. F is kept at some place below T and at some place above R. How many boxes are kept below F?

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

Q.69 145 is related to 174 following a certain logic. Following the same logic, 158 is related to 187. To which of the following is 169 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 176
 - ☐ B. 189
 - ☐ C. 205
 - ☒ D. 198

Q.70 Each vowel in the word BOUNCED is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the left in the new group of letters thus formed?

- Ans**
- ☐ A. C
 - ☐ B. D
 - ☐ C. A
 - ☒ D. B

Q.71 This question is based on the following words.

(Left) TSO MUD FAN KID (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.72 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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.)

16 – 22 – 48 – 38; 9 – 15 – 34 – 24

- Ans**
- ☐ A. 8 – 14 – 24 – 14
 - ☐ B. 18 – 24 – 52 – 62
 - ☐ C. 6 – 12 – 20 – 10
 - ☒ D. 14 – 20 – 44 – 34

Q.73 Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.
Only three boxes are kept above X. Only one box is kept between X and G. Only two boxes are kept between Y and G. D is kept immediately below G. X is kept at one of the places above E.
How many boxes are kept between F and X?

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

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.

QPT–UTX
FEI–JIM

- Ans**
- ☐ A. WUX–ZYC
 - ☒ B. SRV–WVZ
 - ☐ C. WUX–AZD
 - ☐ D. WVZ–ZZC

Q.75 Refer to the given 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) ? 4 ^ / 6 < 2 7 % \$ 4 \$ 6 9 # 3 9 @ 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. 4
 - ☐ C. 3
 - ☒ D. 2

Q.76 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?
 $41 - 4 \div 36 + 39 \times 3 = ?$

- Ans**
- ☒ A. 136
 - ☒ B. 142
 - ☒ C. 151
 - ☒ D. 187

Q.77 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
#: SVP :: RUO : %

- Ans**
- ☒ A. # = PNB, % = POR
 - ☒ B. # = PSM, % = UXP
 - ☒ C. # = PJH, % = TRR
 - ☒ D. # = PSM, % = UXR

Q.78 Each vowel in the word CLIMATE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

- Ans**
- ☒ A. F
 - ☒ B. S
 - ☒ C. L
 - ☒ D. B

Q.79 In a certain code language, 'good morning all' is coded as 'xy pq lm' and 'all the best' is coded as 'lm ct uv'. How is 'all' coded in the given language? (All the codes are two-letter codes only.)

- Ans**
- ☒ A. lm
 - ☒ B. xy
 - ☒ C. uv
 - ☒ D. pq

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. VS – WT
 - ☒ B. WT – XU
 - ☒ C. XU – YV
 - ☒ D. XV – YZ

Section : General Awareness and Current Affairs

Q.81 Who among the following was sworn in as the Chief Minister of Bihar in April 2026?

- Ans**
- ☒ A. Tej Pratap Yadav
 - ☒ B. Tejashwi Yadav
 - ☒ C. Samrat Choudhary
 - ☒ D. Nitish Kumar

Q.82 Which government initiative was celebrated during the 'Run for Sun' Marathon held on International Sun Day in May 2026, highlighting a major achievement in rooftop solar installations?

- Ans**
- ☐ A. Atal Jyoti Yojana
 - ☐ B. Green India Mission
 - ☒ C. PM Surya Ghar: Muft Bijli Yojana
 - ☐ D. National Solar Mission

Q.83 On the eve of the 77th Republic Day-2026, a significant gallantry award was approved for Group Captain Shubhanshu Shukla of the Air Force. Which award was conferred upon him for his service?

- Ans**
- ☒ A. Ashoka Chakra
 - ☐ B. Kirti Chakra
 - ☐ C. Shaurya Chakra
 - ☐ D. Param Vir Chakra

Q.84 What policy roadmap did NITI Aayog release in May 2026 regarding the school education system?

- Ans**
- ☐ A. A policy to abolish the 10th and 12th board examinations
 - ☐ B. A mandate to replace English with regional languages as the sole medium of instruction
 - ☐ C. A roadmap for the privatization of all government schools
 - ☒ D. School Education System in India: Temporal Analysis and Policy Roadmap for Quality Enhancement

Q.85 Which company developed the new semiconductor facility in Salarpur, Khushkhera, which was virtually inaugurated by Union Minister Ashwini Vaishnaw on May 15, 2026?

- Ans**
- ☐ A. HCL Technologies
 - ☒ B. Sahasra Semiconductors Pvt. Ltd.
 - ☐ C. Infosys
 - ☐ D. Tata Consultancy Services

Q.86 In January 2026, Asia's largest civil aviation event, Wings India 2026, was held in which city?

- Ans**
- ☒ A. Hyderabad
 - ☐ B. Bengaluru
 - ☐ C. Delhi
 - ☐ D. Jaipur

Q.87 The BBNJ High Seas Treaty, which entered into force in January 2026, is primarily intended to achieve which of the following objectives?

- Ans**
- ☐ A. Allocation of exclusive fishing rights to coastal states in the high seas
 - ☒ B. Conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction
 - ☐ C. Expansion of deep-sea mineral extraction without environmental restrictions
 - ☐ D. Regulation of international air traffic over maritime regions beyond territorial waters

Q.88 Which of the following indigenous anti-tank missile system did DRDO successfully test in January 2026?

- Ans**
- ☐ A. SANT
 - ☐ B. NAMICA
 - ☐ C. Nag Mk2
 - ☒ D. MPATGM

Q.89 During the 'Viksit Bharat 2047' consultations in March 2026, a national body was tasked with coordinating inter-ministerial efforts on sustainable development goals. Which body took the lead in facilitating these collaborative sessions among ministries?

- Ans**
- ☐ A. Department of Economic Affairs
 - ☐ B. Central Vigilance Commission
 - ☐ C. Ministry of Environment, Forest and Climate Change
 - ☒ D. NITI Aayog

Q.90 Which AI-powered platforms were launched by Indian Army in May 2026 to improve battlefield decision-making, logistics, and operational efficiency?

- Ans**
- ☐ A. Bhima and D-FORCE
 - ☒ B. Kautilya and Q-FORCE
 - ☐ C. Agniputra and R-FORCE
 - ☐ D. Krishna and B-FORCE

Q.91 How many seats did All India Trinamool Congress (AITC) win in the general elections to the assembly constituencies of West Bengal in May 2026?

- Ans**
- ☒ A. 80
 - ☐ B. 90
 - ☐ C. 60
 - ☐ D. 70

Q.92 What is the name of the mission announced during Union Budget 2026–27 with an objective of marking a major shift to a long-term, outcome-driven framework to transform India's sports ecosystem?

- Ans**
- ☐ A. Khelo Mahabharath Mission
 - ☒ B. Khelo India Mission
 - ☐ C. Khelo Dilse Mission
 - ☐ D. Khelo Gaon Mission

Q.93 Which edition of the bilateral maritime exercise between India and Japan took place during the Sea phase from October 16 to 18, 2025?

- Ans**
- ☒ A. JAIMEX-25
 - ☐ B. SHINYUU MAITRI-25
 - ☐ C. JIMEX-24
 - ☐ D. DHARMA GUARDIAN-25

Q.94 Which actor won the Academy Award for Best Actor at the 98th Academy Awards for portraying the twin characters Elijah and Elias Moore?

- Ans**
- ☐ A. Paul Thomas Anderson
 - ☐ B. Ryan Coogler
 - ☐ C. Sean Penn
 - ☒ D. Michael B. Jordan

Q.95 Which of the following prominent Indian grandmasters led the club "SuperChess" to a historic team gold victory at the 40th European Chess Club Cup 2025?

- Ans**
- ☒ A. D Gukesh
 - ☐ B. Vidit Gujrathi
 - ☐ C. R Praggnanandhaa
 - ☐ D. Arjun Erigaisi

Q.96 On April 26, 2026, which Kenyan athlete broke the mythical two-hour barrier to set a new men's marathon world record (1:59:30) at the London Marathon?

- Ans**
- ☐ A. Yomif Kejelcha
 - ☐ B. Eliud Kipchoge
 - ☒ C. Sebastian Sawe
 - ☐ D. Jacob Kiplimo

Q.97 According to the NITI Aayog policy report released in May 2026, what does the recommended "Cylindrical" Schooling model primarily aim to fix within India's education infrastructure?

- Ans**
- ☐ A. The rising costs of higher education textbooks
 - ☒ B. The "leaky pipeline" of student dropouts across transitions
 - ☐ C. The digital divide between urban and rural testing hubs
 - ☐ D. The shortage of administrative staff in regional ministries

Q.98 In which country was the Stockholm Chess Talents Tournament 2026 held?

- Ans**
- ☐ A. Norway
 - ☐ B. Germany
 - ☒ C. Sweden
 - ☐ D. Russia

Q.99 In the Union Budget 2026 presented in February, a major focus area was on infrastructure development. Which of the following sectors was specifically allocated increased funds to improve national connectivity and logistics?

- Ans**
- ☐ A. Agriculture sector
 - ☐ B. Defence sector
 - ☐ C. Health sector
 - ☒ D. Railways sector

Q.100 Which Indian city was identified as the most polluted city in the March 2026 report released by the Centre for Research on Energy and Clean Air (CREA)?

- Ans**
- ☐ A. Kanpur
 - ☒ B. Gurgaon
 - ☐ C. Lucknow
 - ☐ D. Jaipur



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Kovilambakkam
Test Date	06/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 After the dendrite receives information, what is the next structure the impulse moves to?

- Ans**
- ☐ A. Axon end
 - ☐ B. Dendrite
 - ☐ C. Axon
 - ☒ D. Cell body

Q.2 How does saponification relate to soap formation?

- Ans**
- ☐ A. Saponification is unrelated to soap production
 - ☐ B. Saponification produces only esters used in flavoring
 - ☒ C. Saponification produces sodium or potassium salts of long chain carboxylic acids, which are soaps
 - ☐ D. Saponification makes ethanol for cleaning

Q.3 According to the Bohr-Bury rules, what is the maximum number of electrons that can be accommodated in the L shell of an atom?

- Ans**
- ☐ A. Sixteen electrons only
 - ☐ B. Four electrons only
 - ☐ C. Two electrons only
 - ☒ D. Eight electrons only

Q.4 Why are food chains generally made of only 3-4 trophic levels?

- Ans**
- ☐ A. Decomposers terminate the food chain
 - ☐ B. Producer population is low
 - ☒ C. Energy availability to next trophic level is very low
 - ☐ D. Top carnivores cannot be eaten by any organism

Q.5 Which of the following is a characteristic feature of a suspension?

- Ans**
- ☐ A. Suspension shows Tyndall effect but is transparent.
 - ☒ B. Particles can be seen with the naked eye and settle on standing.
 - ☐ C. The particles are too small to settle down on standing.
 - ☐ D. It is a homogeneous mixture with solute dissolved uniformly.

Q.6 A student dips an iron nail in a blue solution of copper sulphate. After 30 minutes, the blue colour fades and a reddish-brown deposit forms on the nail. The reddish-brown deposit is due to ____.

- Ans**
- ☐ A. Fe converting to copper oxide
 - ☒ B. copper sulphate converting to metallic copper
 - ☐ C. copper sulphate converting to Cu^+
 - ☐ D. copper sulphate converting to iron oxide (rust)

Q.7 Venus is hotter than Mercury, even though Mercury is closer to the Sun. Based on Earth's atmospheric science, which is the most plausible explanation?

- Ans**
- ☐ A. Venus receives more sunlight due to its size
 - ☐ B. Mercury lacks any significant atmospheric layers
 - ☐ C. Mercury's proximity to the Sun creates rapid heat loss
 - ☒ D. Venus's atmosphere creates a strong greenhouse effect

Q.8 Which statement best describes the velocity of an object undergoing uniform circular motion?

- Ans**
- ☐ A. The velocity remains unchanged in both magnitude and direction throughout motion.
 - ☐ B. The object moves with a changing velocity along a straight path.
 - ☒ C. The magnitude of velocity remains constant, but its direction continuously changes around the circle.
 - ☐ D. The object's speed increases and decreases as it moves around the circle.

Q.9 Researchers studying genetic similarity in hornbill species are most likely to use which characteristic for classification?

- Ans**
- ☐ A. Beak shape and size
 - ☐ B. Nesting site location
 - ☒ C. DNA sequence comparison
 - ☐ D. Diet composition

Q.10 What is the ability of the eye lens to adjust its focal length called?

- Ans**
- ☒ A. Power of Accommodation
 - ☐ B. Persistence of vision
 - ☐ C. Myopia
 - ☐ D. Refraction

Q.11 A manufacturer wants to design heating elements that generate more heat when a current passes through. Which material property should be maximized for this purpose?

- Ans**
- ☐ A. Conductivity should be maximized to increase heat generation for a given current.
 - ☐ B. Resistivity should be minimized to increase heat generation for a given current.
 - ☐ C. A material with zero resistivity should be used for maximum heat generation.
 - ☒ D. Resistivity should be maximized to increase heat generation for a given current.

Q.12 Which of the following is **NOT** a function of epithelial tissues?

- Ans**
- ☐ A. Protection
 - ☐ B. Secretion
 - ☐ C. Absorption
 - ☒ D. Formation of red blood cells

Q.13 Read the following two statements carefully and choose the correct option:
Statement I: When methane reacts with chlorine in the presence of sunlight, hydrogen atoms in methane are gradually replaced by chlorine atoms.
Statement II: The reaction between methane and chlorine is called an addition reaction.

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

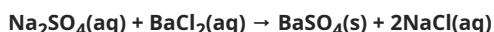
Q.14 What is the process in which organisms take in oxygen and use it to break down food for cellular activities called?

- Ans**
- ☐ A. Photosynthesis
 - ☐ B. Transpiration
 - ☐ C. Fermentation
 - ☒ D. Respiration

Q.15 Why are ultrasound waves used for cleaning delicate objects such as jewelry?

- Ans**
- ☐ A. They heat the jewelry to remove stains
 - ☒ B. They cause tiny vibrations that dislodge dirt
 - ☐ C. They dissolve dirt using special chemicals
 - ☐ D. They attract dirt particles with magnetism

Q.16 Consider the reaction:



Which statement best justifies classifying this reaction as a double displacement reaction?

- Ans**
- ☐ A. One metal displaces another from compound
 - ☐ B. Reactants combine forming only one product
 - ☒ C. Exchange of ions produces two new compounds
 - ☐ D. Heat causes compound to break into products

Q.17 Which of the following best explains why a pencil partially immersed in water appears bent at the surface?

- Ans**
- ☐ A. Light reflects off the pencil and back to your eyes
 - ☐ B. Water makes the pencil look thicker
 - ☒ C. Light changes direction as it moves from air to water
 - ☐ D. The pencil absorbs light and emits it at a different angle

Q.18 Which statement CORRECTLY describes systolic and diastolic pressure in the human circulatory system?

- Ans**
- ☐ A. Systole is relaxation, diastole is contraction
 - ☒ B. Systole is contraction, diastole is relaxation
 - ☐ C. Systole and diastole are both contractions
 - ☐ D. Systole and diastole are both relaxations

Q.19 Which of the following statements best explains why elements with the same atomic number exhibit identical chemical properties, even if their mass numbers are different?

- Ans**
- ☐ A. Because they are found in the same physical state
 - ☐ B. Because they have similar atomic mass
 - ☐ C. Because they contain the same number of neutrons
 - ☒ D. Because they have the same number of protons and electrons

Q.20 A circuit consists of three resistors of 4 ohms, 6 ohms, and 12 ohms connected in parallel. Which statement is correct about the total resistance?

- Ans**
- ☒ A. The total resistance is less than the smallest individual resistance
 - ☐ B. The total resistance is equal to the largest individual resistance
 - ☐ C. The total resistance equals the sum of all resistances
 - ☐ D. The total resistance is equal to one of the individual resistances

Q.21 Why do basic solutions conduct electricity when dissolved in water?

- Ans**
- ☐ A. Heat energy produces electric current
 - ☒ B. Hydroxide ions act as charge carriers
 - ☐ C. Bases dissolve completely without ions
 - ☐ D. Bases release free electrons

Q.22 A machine develops a power of 10 W. What does this imply?

- Ans**
- ☐ A. It stores 10 J of energy
 - ☐ B. It does 10 J of work every minute
 - ☒ C. It does 10 J of work every second
 - ☐ D. It applies a force of 10 N

Q.23 A pond contains a large cluster of jelly-like eggs laid by a female frog. What is the most likely mode of fertilisation in frogs?

- Ans**
- ☒ A. External fertilisation in water
 - ☐ B. Internal fertilisation inside pond plants
 - ☐ C. Asexual budding of the jelly-like eggs
 - ☐ D. In-vitro fertilisation by scientists

Q.24 Which statement best describes a straight line sloping upwards on a distance-time graph for an object moving with uniform speed?

- Ans**
- ☒ A. The object covers equal distances in equal intervals of time
 - ☐ B. The object is stationary at all times
 - ☐ C. The object returns to its starting point repeatedly
 - ☐ D. The object moves with varying speed throughout

Q.25 If the displacement of an object doubles while the constant force remains unchanged, the area under the force-displacement graph _____.

- Ans**
- ☐ A. becomes four times the original area
 - ☐ B. becomes half of the original area
 - ☐ C. remains unchanged
 - ☒ D. becomes twice the original area

Section : Mathematics

Q.26 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. increase by ₹2,453
 - ☒ B. decrease by ₹2,450
 - ☐ C. increase by ₹2,446
 - ☐ D. decrease by ₹2,452

Q.27 A recipe requires flour, sugar, and butter in the ratio 3:2:1. If the total quantity of ingredients used is 18 cups, how many cups of sugar are needed?

- Ans
- ☒ A. 9
 - ☒ B. 12
 - ☒ C. 3
 - ☒ D. 6

Q.28 The distance between the centres of two circles having radii 11 cm and 5 cm, is 10 cm. The length of the direct common tangent of the two circles is:

- Ans
- ☒ A. 12 cm
 - ☒ B. 4 cm
 - ☒ C. 16 cm
 - ☒ D. 8 cm

Q.29 Arvind bought an article for ₹x. He sold it to Biru at a loss of 5%. Biru spent ₹118 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,841, then what is the value of x?

- Ans
- ☒ A. ₹1,261
 - ☒ B. ₹1,225
 - ☒ C. ₹1,260
 - ☒ D. ₹1,251

Q.30 The HCF of two numbers is 11 and their LCM is 1870. If one number is 22, then find the unit's digit of the other number.

- Ans
- ☒ A. 4
 - ☒ B. 5
 - ☒ C. 7
 - ☒ D. 3

Q.31 The height of a cone is 28 cm and the radius of its base is 14 cm. The

- Ans
- ☒ A. $\frac{17248}{3} \text{ cm}^3$
- ☒ B. 18248 cm^3
- ☒ C. $\frac{18248}{3} \text{ cm}^3$
- ☒ D. 17248 cm^3

Q.32 Which of the following equations represent the statement, "one fifth of m is twice of one third of n"?

- Ans
- ☒ A. $\frac{m}{5} = \frac{2n}{3}$
 - ☒ B. $\frac{m}{3} = \frac{2n}{5}$
 - ☒ C. $\frac{2m}{3} = 5n$
 - ☒ D. $\frac{2m}{3} = \frac{n}{5}$

Q.33 A man travels from City A to City B at a speed of 60 km/h, then from City B to City C at 90 km/h, and finally returns directly from City C to City A at 72 km/h. If the distances between A and B and between B and C are equal, with B located between A and C, find his average speed for the entire journey.

- Ans**
- ☐ A. 66 km/hr
 - ☐ B. 68 km/hr
 - ☒ C. 72 km/hr
 - ☐ D. 70 km/hr

Q.34 Piyush has ₹1,681 with him. He divided this amount between his sons, Manoj and Anand, and asked them to invest their respective shares at a rate of 5% per annum, compounded annually. It was observed that Manoj and Anand received the same amount after 16 years and 17 years, respectively. How much (in ₹) did Piyush give Manoj?

- Ans**
- ☐ A. 920
 - ☐ B. 711
 - ☐ C. 820
 - ☒ D. 861

Q.35 A sum of ₹800 invested on simple interest becomes ₹1,200 in 8 years. Find the rate of interest per annum.

- Ans**
- ☐ A. 6.5%
 - ☒ B. $\frac{25}{4}\%$
 - ☐ C. $6\frac{1}{3}\%$
 - ☐ D. 6%

Q.36 Evaluate: $16 - 5 \times 4 + 4$

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

Q.37 A man loses 22% of his money. After spending 25% of the remaining amount, he has ₹7,137 left. What was the amount of money he originally had?

- Ans**
- ☐ A. ₹12,300
 - ☒ B. ₹12,200
 - ☐ C. ₹12,400
 - ☐ D. ₹12,100

Q.38 One-third of a journey is covered at a speed of 62 km/hr, the next one-third of the journey is covered at a speed of 99 km/hr, and the remaining journey is covered at a speed of 51 km/hr. The average speed (in km/hr, rounded off to 1 decimal place) for the entire journey is:

- Ans**
- ☐ A. 60.8
 - ☐ B. 62.1
 - ☒ C. 65.5
 - ☐ D. 61.4

Q.39 Two cylindrical containers have a total volume of $2,200 \text{ cm}^3$. The first cylinder has a radius of 5 cm and a height of 10 cm. If the second cylinder has the same radius, determine the height of the second cylinder. (Use $\pi = 3.14$ and round your answer to two decimal places.)

- Ans**
- ☒ A. 20.67 cm
 - ☒ B. 18.03 cm
 - ☒ C. 19.85 cm
 - ☒ D. 19.10 cm

Q.40 A sum of ₹4,000 amounts to ₹4,410 in 2 years at compound interest, compounded annually. Find the annual rate of interest (in percentage).

- Ans**
- ☒ A. 2.5%
 - ☒ B. 10%
 - ☒ C. 7.5%
 - ☒ D. 5%

Q.41 The consumption of printing paper reams for the first 11 months of a computer operator is given as 21, 25, 30, 15, 17, 35, 28, 19, 42, 49, and 59. Find the median.

- Ans**
- ☒ A. 30
 - ☒ B. 26
 - ☒ C. 32
 - ☒ D. 28

Q.42 Find the value of $\left\{ 2\tan^2 A + \frac{4}{(1 + \cot^2 A)} + 2\sec^2 A + \frac{4}{(1 + \tan^2 A)} \right\}$.

- Ans**
- ☒ A. $4\sec^2 A - 2$
 - ☒ B. $\sec^2 A + 2$
 - ☒ C. $\sec^2 A - 2$
 - ☒ D. $4\sec^2 A + 2$

Q.43 If a 7-digit number 48085A7 is completely divisible by 3, what is the least value of A?

- Ans**
- ☒ A. 1
 - ☒ B. 8
 - ☒ C. 4
 - ☒ D. 7

Q.44 What is the value of $(8x + 9y)$, if mean of the following distribution is 45?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	7	12	x	5	y	76

- Ans**
- ☒ A. 424
 - ☒ B. 402
 - ☒ C. 423
 - ☒ D. 417

Q.45 The following table shows the number of books read by four students in a month.

Name of the student	Ravi	Sita	Amit	Neha
Number of books	12	14	11	13

What is the average number of books read by these students?

- Ans** ☒ A. 13.5
☒ B. 12.5
☒ C. 13
☒ D. 12

Q.46 A merchant has 2650 kg of rice, one part of which he sells at 36% profit and the rest at 16% profit. He gains 28% on the whole. Find the quantity sold at 16%.

- Ans** ☒ A. 1020 kg
☒ B. 1060 kg
☒ C. 1080 kg
☒ D. 1040 kg

Q.47 The angle of elevation of the top of a building at a distance of 90 m from its foot on a horizontal plane is found to be 30° . Find the height of the building.

- Ans** ☒ A. $30\sqrt{3}$ m
☒ B. $\frac{30}{\sqrt{3}}$ m
☒ C. $60\sqrt{3}$ m
☒ D. $90\sqrt{3}$ m

Q.48 A and B invest ₹24,000 and ₹36,000, respectively, in a business for the same period. Find the ratio in which the profit should be divided between A and B.

- Ans** ☒ A. 5 : 4
☒ B. 2 : 3
☒ C. 3 : 2
☒ D. 4 : 5

Q.49 A person P can complete a project in 24 days, and the person Q can complete it in 36 days. They work together for 4 days, after which Q leaves. In how many days will P complete the remaining work? (Give your answer rounded off to two decimal places.)

- Ans** ☒ A. 17.87 days
☒ B. 17.67 days
☒ C. 17.53 days
☒ D. 17.33 days

Q.50 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 32% and 67%, shop II allows successive discounts of 98% and 40%, shop III allows successive discounts of 37% and 74%, and shop IV allows successive discounts of 29%, 47%, and 92% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. II
☒ B. IV
☒ C. I
☒ D. III

Q.51 JRYH is related to HPWF in a certain way based on the English alphabetical order. In the same way, VGLW is related to TEJU. To which of the given options is ZRPE related, following the same logic?

- Ans**
- ☒ A. PCXN
 - ☒ B. NCXP
 - ☒ C. XPNC
 - ☒ D. CXNP

Q.52 What should come in place of the question mark (?) in the given series?

192 203 225 258 302 ?

- Ans**
- ☒ A. 376
 - ☒ B. 378
 - ☒ C. 368
 - ☒ D. 357

Q.53 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 S related to N if 'S + E ÷ W - T × N'?

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

Q.54 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 8 3 7 4 7 1 6 1 3 1 3 9 3 6 6 5 6 7 4 8 4 9 1 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 odd number?

- Ans**
- ☒ A. 7
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 5

Q.55 In a certain code language, 'OPEN' is coded as '5718' and 'ONCE' is coded as '9187'. What is the code for 'C' in the given code language?

- Ans**
- ☒ A. 9
 - ☒ B. 1
 - ☒ C. 7
 - ☒ D. 8

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 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. JH - EC
 - ☐ B. NL - IG
 - ☐ C. RP - MK
 - ☒ D. LJ - GF

Q.57 Ritwik starts from Point A and drives 23 km towards the east. He then takes a right turn, drives 14 km, turns right and drives 26 km. He then takes a right turn and drives 19 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. 7 km to the north
 - ☒ B. 5 km to the south
 - ☐ C. 7 km to the south
 - ☐ D. 5 km to the north

Q.58 This question is based on the following words.

(Left) GIR PVT DEC NOW (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.59 All 44 people standing in a row are facing North. Henry is 16th from the right end while Alexa is 9th from the left end. How many people are there between Henry and Alexa?

- Ans**
- ☒ A. 19
 - ☐ B. 18
 - ☐ C. 16
 - ☐ D. 17

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 only.

(Left) 4 1 7 5 2 8 9 1 6 3 2 7 4 1 3 7 9 5 3 6 8 3 4 1 2 7 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. Three
 - ☒ B. Two
 - ☐ C. None
 - ☐ D. One

Q.61 What should come in place of ? in the given series based on the English alphabetical order?

CPT EQV GRX ISZ ?

- Ans** ☒ A. KTB
☐ B. JTA
☐ C. KUB
☐ D. JUB

Q.62 The position(s) of how many letters will remain unchanged if each of the letters in the word HISTOGRAM is arranged in the English alphabetical order?

- Ans** ☒ A. 1
☐ B. 3
☐ C. 2
☐ D. 0

Q.63 Each of Q, R, W, T, E, U and Y has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. T has an exam on Wednesday. Exactly three people have an exam between T and U. Q has an exam immediately after E and W has an exam immediately before E. Only three people have an exam between R and E. Who has an exam immediately after Y?

- Ans** ☐ A. Q
☐ B. R
☐ C. U
☒ D. T

Q.64 Seven people, D, H, J, L, S, T and Y, are sitting in a row, facing the north. Only five people sit between S and Y. D sits to the immediate left of Y. Only one person sits between D and T. H sits at some place to the left of J but at some place to the right of L. How many people sit to the left of H?

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

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. XB-AG
☐ B. EI-HN
☐ C. CG-FL
☒ D. FJ-LO

Q.66 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 72659314, 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. 4

Q.67 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) E L £ F 8 8 \$ & S 9 L 7 * I © Y 1 M 3 \$ S V (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the left?

- Ans**
- ☒ A. £
 - ☒ B. \$
 - ☐ C. &
 - ☐ D. F

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.

JLI-KMJ
MOL-NPM

- Ans**
- ☐ A. YZV-ZBY
 - ☐ B. YZV-YAX
 - ☐ C. YAX-YBX
 - ☒ D. YAX-ZBY

Q.69 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4168327, what will be the difference of the digits which are second from the left and second from the right in the new number thus formed?

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

Q.70 This question is based on the five, three-digit numbers given below.

(Left) 342 339 531 568 319 (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. 7
 - ☐ C. 10
 - ☐ D. 8

Q.71 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five students - Kriti, Mehul, Nisha, Ojas, and Pranav - scored different marks in a test.

Who scored the lowest marks?

(I) Mehul scored higher than exactly three students.

(II) Kriti scored higher than Nisha but lower than Ojas. Pranav did not score the lowest.

- Ans**
- ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
 - ☐ B. Both statements I and II together are NOT sufficient to answer the question
 - ☐ C. Data in Statement II alone is sufficient to answer the question while data in Statement I is not
 - ☐ D. Data in Statement I alone is sufficient to answer the question while data in Statement II is not

Q.72 Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.
Only one person sits between D and O when counted from the left of O. D sits third to the left of P. Q sits to the immediate right of P. E is not an immediate neighbor of O.
Who sits third to the right of C?

- Ans**
- ☐ A. O
 - ☒ B. Q
 - ☐ C. P
 - ☐ D. E

Q.73 210 is related to 315 following a certain logic. Following the same logic, 180 is related to 270. To which of the given options is 240 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 420
 - ☐ B. 390
 - ☒ C. 360
 - ☐ D. 300

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.

JSR : HVU
FOL : DRO

- Ans**
- ☐ A. ORO : MUQ
 - ☐ B. KUJ : IWM
 - ☐ C. LJM : JMO
 - ☒ D. EVH : CYK

Q.75 Each letter in the word ANALYST is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter-cluster thus formed?

- Ans**
- ☐ A. 4
 - ☒ B. 7
 - ☐ C. 8
 - ☐ D. 6

Q.76 Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. Only four boxes are kept between H and G. Only R is kept above H. Only two boxes are kept between T and F. Y is kept immediately above B. F is not kept immediately above Y. How many boxes are kept below T?

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

Q.77 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the shortest?

(I) T is taller than N

(II) S is taller than T. U is only shorter than one Stick

- Ans**
- ✓ A. Both statements I and II together are NOT sufficient to answer the question
 - ✗ B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ✗ C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ✗ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

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?

3 B 2 D 28 A 7 C 4 = ?

- Ans**
- ✗ A. 4
 - ✗ B. 8
 - ✗ C. 12
 - ✓ D. 6

Q.79 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 Et related to Cp if 'Cp × Sj - Qn # Et + Gy'?

- Ans**
- ✓ A. Husband's mother
 - ✗ B. Son's wife
 - ✗ C. Husband's sister
 - ✗ D. Brother's wife

Q.80 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 2 - 15 - 31; 8 - 4 - 17 - 35

- Ans**
- ✗ A. 7 - 3 - 16 - 31
 - ✓ B. 9 - 5 - 18 - 37
 - ✗ C. 10 - 6 - 25 - 51
 - ✗ D. 13 - 9 - 64 - 129

Q.81 In 2026, the National Disaster Management Authority (NDMA) reviewed and expanded an early warning system for Glacial Lake Outburst Floods (GLOFs) after a pilot project in which Himalayan state?

- Ans**
- ☐ A. Uttarakhand
 - ☐ B. Sikkim
 - ☐ C. Arunachal Pradesh
 - ☒ D. Himachal Pradesh

Q.82 According to the Padma Awards 2026, which of the following awardees is linked with Literature and Education from West Bengal?

- Ans**
- ☒ A. Asok Kumar Haldar
 - ☐ B. Prakash Gupta
 - ☐ C. Dr. Anjali Menon
 - ☐ D. Meena Raju

Q.83 Which of the following individuals became a Full-time Member of NITI Aayog during 2026?

- Ans**
- ☐ A. Gobardhan Das
 - ☐ B. Rajiv Gauba
 - ☒ C. Dr. Joram Aniya
 - ☐ D. Suman K. Bery

Q.84 Which major mental healthcare institution was announced in the Union Budget 2026–27 to address the absence of a national-level mental health institute in North India?

- Ans**
- ☐ A. Rashtriya Manasik Swasthya Kendra
 - ☒ B. NIMHANS-2
 - ☐ C. National Psychiatry Mission
 - ☐ D. AIIMS Mental Health Centre

Q.85 Who was sworn in as the fifteenth Vice President of India and ex officio Chairman of the Rajya Sabha in 2025?

- Ans**
- ☐ A. Jagdeep Dhankhar
 - ☐ B. Ramesh Bais
 - ☒ C. C.P. Radhakrishnan
 - ☐ D. Acharya Devvrat

Q.86 Which of the following players made the highest individual score in the 2026 Men's T20 World Cup final?

- Ans**
- ☒ A. Sanju Samson
 - ☐ B. Tilak Varma
 - ☐ C. Abhishek Sharma
 - ☐ D. Ishan Kishan

Q.87 Under the Khelo India Mission announced in the Union Budget 2026–27, which of the following was listed as a key feature?

- Ans**
- ☐ A. Pension-linked incentives for retired national coaches
 - ☒ B. Integrated talent pathway through multi-level training centres
 - ☐ C. Exclusive private-league scholarships for senior athletes
 - ☐ D. Compulsory foreign coaching for all district-level athletes

Q.88 Which of these states launched India's first deep tech start-up policy in January 2026?

- Ans**
- ☐ A. Maharashtra
 - ☒ B. Tamil Nadu
 - ☐ C. Uttar Pradesh
 - ☐ D. Bihar

Q.89 Which team won the Indian Super League football championship title, 2026?

- Ans**
- ☐ A. Mohun Bagan
 - ☐ B. Odisha FC
 - ☒ C. East Bengal
 - ☐ D. Mumbai City FC

Q.90 As of February 2026, how many projects were approved for research and development in 6G technology?

- Ans**
- ☐ A. 126 projects
 - ☒ B. 104 projects
 - ☐ C. 78 projects
 - ☐ D. 92 projects

Q.91 In May 2026, India successfully test-launched the short-range ballistic missile "Agni-1" from which facility under the aegis of the Strategic Forces Command?

- Ans**
- ☐ A. Pokhran Test Range, Rajasthan
 - ☐ B. Dr. APJ Abdul Kalam Island, Odisha
 - ☒ C. Integrated Test Range (ITR), Chandipur, Odisha
 - ☐ D. Vikram Sarabhai Space Centre, Thiruvananthapuram

Q.92 During the COP30 negotiations in Belém, India strongly advocated for developing countries by highlighting the urgent need for enhanced ____.

- Ans**
- ☐ A. Industrial production cuts
 - ☐ B. Cross-border trade curbs
 - ☒ C. Climate finance support
 - ☐ D. Commercial bank deregulation

Q.93 Who among the following is the author of the book titled 'The Director'?

- Ans**
- ☐ A. Haruki Murakami
 - ☐ B. George Orwell
 - ☒ C. Daniel Kehlmann
 - ☐ D. Orhan Pamuk

Q.94 The Jan Vishwas (Amendment of Provisions) Bill, 2026 is linked with which major governance reform agenda?

- Ans**
- ☒ A. Trust-based ease of business governance
 - ☐ B. Expansion of direct tax collection
 - ☐ C. Space mission reforms
 - ☐ D. Privatization of public sector enterprises

Q.95 According to the 2025 Kantar BrandZ report, which financial services giant has reclaimed its crown as India's most valued brand?

- Ans**
- ☐ A. Axis Bank
 - ☒ B. HDFC Bank
 - ☐ C. State Bank of India
 - ☐ D. ICICI Bank

Q.96 On April 28, 2026, the Meeting of Defence Ministers of the Shanghai Cooperation Organisation (SCO) Member States was held under the chairmanship of which country?

- Ans**
- ☐ A. Russian Federation
 - ☐ B. Republic of India
 - ☐ C. Republic of Uzbekistan
 - ☒ D. Kyrgyz Republic

Q.97 On January 9, 2026, Defence Research and Development Laboratory successfully conducted a long-duration ground test of an Actively Cooled Full-Scale Scramjet Combustor. This technology is primarily associated with the development of which type of propulsion systems?

- Ans**
- ☐ A. Nuclear-powered propulsion system
 - ☐ B. Cryogenic rocket propulsion system
 - ☒ C. Hypersonic air-breathing propulsion system
 - ☐ D. Turbofan propulsion system

Q.98 The Government of India emphasized HPV vaccination during 2025-26 primarily to reduce the burden of which disease among women?

- Ans**
- ☒ A. Cervical cancer among women
 - ☐ B. Tuberculosis among rural women
 - ☐ C. Diabetes among urban patients
 - ☐ D. Malaria among pregnant mothers

Q.99 Which city was selected to host the 2026 Pickleball World Cup, marking the tournament's first edition to be held in Asia?

- Ans**
- ☐ A. Beijing
 - ☐ B. Tokyo
 - ☐ C. Singapore
 - ☒ D. Da Nang

Q.100 Which institutional body's Frontier Tech Hub unveiled the groundbreaking agricultural roadmap titled "Reimagining Agriculture: A Roadmap for Frontier Technology Led Transformation" in 2025?

- Ans**
- ☒ A. NITI Aayog
 - ☐ B. Indian Council of Agricultural Research
 - ☐ C. National Bank for Agriculture and Rural Development
 - ☐ D. Ministry of Electronics and Information Technology



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Kaluchak
Test Date	06/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following carbon compounds is most likely to burn with a non-luminous flame?

- Ans ☐ A. Camphor
☐ B. Kerosene
☒ C. Ethanol
☐ D. Charcoal

Q.2 Read the following statements and choose the correct option.

Statement I: All metals in the reactivity series can displace hydrogen from dilute acids to form hydrogen gas.

Statement II: Metals below hydrogen in the reactivity series do not produce hydrogen gas with dilute acids.

- Ans ☐ A. Statement I is true, Statement II is true, but Statement II is not the correct explanation of Statement I.
☒ B. Statement I is false, but Statement II is true.
☐ C. Statement I is true, Statement II is true, and Statement II is the correct explanation of Statement I.
☐ D. Statement I is true, but Statement II is false.

Q.3 Clove oil is used as an olfactory indicator. If its smell persists in solution X but fades in solution Y, what can be inferred about the nature of the two solutions?

- Ans ☐ A. Both solutions X and Y are acidic.
☐ B. Solution X is basic and solution Y is acidic.
☐ C. Both solutions X and Y are basic.
☒ D. Solution X is acidic and solution Y is basic.

Q.4 Which is the first part of a neuron to receive information?

- Ans ☐ A. Cell body
☐ B. Axon
☒ C. Dendrite
☐ D. Axon terminal

Q.5 A car moves at a constant speed of 20 m/s for 5 seconds. What is the total distance travelled by the car during this time?

- Ans ☒ A. 100 meters
☐ B. 4 meters
☐ C. 400 meters
☐ D. 25 meters

Q.6 Which of the following is a property of a colloidal solution?

- Ans**
- ☐ A. Components can be separated by filtration
 - ☐ B. Particles are smaller than true solutions
 - ☐ C. Particles can be seen with the naked eye
 - ☒ D. Particles do not settle on standing

Q.7 The long, cylindrical cells that form muscular tissues are specifically known as _____.

- Ans**
- ☒ A. Muscle fibres
 - ☐ B. Neurons
 - ☐ C. Sieve tubes
 - ☐ D. Cartilage discs

Q.8 Which of the following correctly explains why an acid shows acidic behaviour only in aqueous solution?

- Ans**
- ☐ A. An acid loses H^+ ions even in the absence of water.
 - ☐ B. Water prevents the ionisation of acids.
 - ☒ C. Hydrogen ions (H^+) are produced only when the acid dissolves in water.
 - ☐ D. The acid molecules remain completely ionised in the dry state.

Q.9 Electric fuses are used in household circuits primarily to _____.

- Ans**
- ☐ A. Store electrical energy for later use
 - ☐ B. Supply extra electricity when needed
 - ☐ C. Reduce voltage in the circuit
 - ☒ D. Interrupt the circuit if excessive current flows

Q.10 A green, thread-like plant in freshwater pond lacks roots, stems, and leaves but photosynthesizes. Based on this information, which group does it belong to?

- Ans**
- ☐ A. Pteridophyta
 - ☒ B. Thallophyta
 - ☐ C. Bryophyta
 - ☐ D. Gymnosperm

Q.11 In an ecosystem, what is the role played by decomposers?

- Ans**
- ☐ A. They regulate the water level in soil
 - ☐ B. They transfer energy directly to carnivores
 - ☒ C. They break down dead organic matter
 - ☐ D. They synthesize food by photosynthesis

Q.12 If two bodies of equal mass are acted upon by unequal forces for the same time, then the body on which the larger force acts will have _____.

- Ans**
- ☒ A. more change in momentum
 - ☐ B. no change in momentum
 - ☐ C. less change in momentum
 - ☐ D. equal change in momentum

Q.13 Smooth muscles are responsible for all the following actions, EXCEPT:

- Ans**
- ☐ A. Functioning automatically without conscious thought.
 - ☐ B. Regular movements in the intestines.
 - ☒ C. Lifting a heavy bucket of water.
 - ☐ D. Moving food through the digestive tract.

Q.14 Which statement about mass number is correct?

- Ans**
- ☐ A. It is always less than atomic number
 - ☐ B. It is unrelated to atomic number
 - ☐ C. It is always equal to atomic number
 - ☒ D. It is always greater than atomic number

Q.15 When 16 g of oxygen is combined with 2 g of hydrogen, 18 g water is formed. This observation is in accordance with:

- Ans**
- ☒ A. law of conservation of mass
 - ☐ B. law of multiple proportions
 - ☐ C. Avagadro's Law
 - ☐ D. Gay-Lussac's law

Q.16 How does the size of atmospheric particles affect the scattering of sunlight?

- Ans**
- ☐ A. Larger particles scatter only red light effectively
 - ☐ B. Irregular particles scatter only yellow light more
 - ☒ C. Smaller particles scatter shorter wavelengths more efficiently
 - ☐ D. Medium particles scatter only green light efficiently

Q.17 Which of the following physical quantities affect gravitational potential energy?

- Ans**
- ☐ A. Temperature and colour
 - ☐ B. Volume and shape
 - ☒ C. Mass and height
 - ☐ D. Speed and distance

Q.18 A student is comparing samples of sulphur, carbon (Diamond), and bromine. Which property is least likely to be observed in all three?

- Ans**
- ☐ A. Brittleness
 - ☐ B. Dull appearance
 - ☐ C. Poor heat conduction
 - ☒ D. High electrical conductivity

Q.19 After a genetic study, two bacteria previously grouped together are found to have highly divergent DNA. According to modern classification, which of the following is the most likely consequence?

- Ans**
- ☐ A. They remain in the same traditional group
 - ☐ B. Their similarity is confirmed by traditional traits
 - ☒ C. They may be reclassified into separate domains or groups
 - ☐ D. They are merged as one species

Q.20 During an experiment, a student places a candle beyond twice the focal length of a convex lens and records the image position and nature. Which of the following scenarios could result from this setup?

- Ans**
- ☐ A. A virtual, erect, and larger image appears on the same side as the object
 - ☒ B. An inverted, real, and diminished image forms between focus and twice the focal length
 - ☐ C. An erect, real, and larger image forms beyond twice the focal length
 - ☐ D. A real, inverted, and same-sized image forms at twice the focal length

Q.21 Which of the following correctly explains why life processes such as nutrition, respiration, transport and excretion are essential for living organisms?

- Ans**
- ☐ A. They are required only for growth and reproduction.
 - ☒ B. They maintain homeostasis and provide energy.
 - ☐ C. They occur only in plants to sustain photosynthesis.
 - ☐ D. They are independent processes that do not affect each other.

Q.22 What is the main function of the synapse between two neurons?

- Ans**
- ☐ A. Energy supply
 - ☐ B. Signal storage
 - ☐ C. Communication
 - ☒ D. Impulse transfer

Q.23 A student places an object 15 cm in front of a concave mirror of focal length 10 cm. If the image formed is real, what is the magnification produced by the mirror?

- Ans**
- ☒ A. -2
 - ☐ B. -1
 - ☐ C. +2
 - ☐ D. +1

Q.24 An athlete of mass 60 kg runs at 5 m/s. What is the kinetic energy gained compared to standing still?

- Ans**
- ☒ A. 750 J
 - ☐ B. 300 J
 - ☐ C. 375 J
 - ☐ D. 1500 J

Q.25 A student sets up two circuits: Circuit X uses a thin, long copper wire, and Circuit Y uses a thick, short copper wire, both connected to identical batteries. Which circuit will have a higher resistance, and why?

- Ans**
- ☐ A. Circuit Y because the resistance decreases with length and increases with cross-sectional area
 - ☒ B. Circuit X because the resistance increases with length and decreases with cross-sectional area
 - ☐ C. Circuit Y because the resistance increases with length and decreases with cross-sectional area
 - ☐ D. Circuit X because the resistance decreases with length and increases with cross-sectional area

Section : Mathematics

Q.26 If $x = \sqrt{5776}$ and $y = \sqrt{2025}$, find $\frac{x^2 - y^2}{x - y}$

- Ans**
- ☒ A. 121
 - ☐ B. 100
 - ☐ C. 120
 - ☐ D. 122

Q.27 A can do a work in 10 days and B in 15 days. They work together for 3 days. How much work is left?

- Ans**
- ☐ A. $\frac{1}{8}$
 - ☐ B. $\frac{1}{4}$
 - ☒ C. $\frac{1}{2}$
 - ☐ D. $\frac{1}{10}$

Q.28 A car costing ₹2,20,000 depreciates at 5% per annum compounded annually. What is its value (in ₹) after 2 years?

- Ans**
- ☐ A. 1,75,000
 - ☐ B. 1,80,500
 - ☐ C. 1,85,500
 - ☒ D. 1,98,550

Q.29 The mean of a data set is 40 and the median is 35. Find the mode using the empirical relation.

- Ans**
- ☐ A. 45
 - ☐ B. 30
 - ☐ C. 40
 - ☒ D. 25

Q.30 Find the volume of a cylinder whose radius is 5 cm and total surface area is 408.2 cm² (use $\pi = 3.14$).

- Ans**
- ☐ A. 596 cm³
 - ☒ B. 628 cm³
 - ☐ C. 514 cm³
 - ☐ D. 427 cm³

Q.31 The incomes of A and B are in the ratio 5:7 and their expenditures are in the ratio 3:5. If each saves Rs. 4200, what is the income of A?

- Ans**
- ☐ A. Rs. 12000
 - ☐ B. Rs. 8000
 - ☐ C. Rs. 14000
 - ☒ D. Rs. 10500

Q.32 A city's tree plantation drive increased the number of trees by 40%. A storm destroyed 30% of the new trees. The number of trees destroyed in the storm is what percent of the original tree count?

- Ans**
- ☐ A. 18%
 - ☒ B. 12%
 - ☐ C. 9%
 - ☐ D. 15%

Q.33 In a school election, 10% of the students did not vote. If the total number of students was 2,000, how many students voted?

- Ans**
- ☐ A. 1,900
 - ☐ B. 1,700
 - ☒ C. 1,800
 - ☐ D. 1,600

Q.34 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 87% and 14%, shop II allows successive discounts of 16% and 92%, shop III allows successive discounts of 60% and 35% and shop IV allows successive discounts of 58%, 29%, and 87% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☐ A. III
 - ☐ B. I
 - ☒ C. IV
 - ☐ D. II

Q.35 Given that $109^{0.64} = x$, $109^{0.83} = y$ and $x^z = y^5$, then the value of z is close to:

- Ans ☐ A. 7.82
☒ B. 6.48
☐ C. 7.91
☐ D. 5.06

Q.36 What sum (in ₹) will earn a simple interest of ₹960 in 4 years at 8% per year rate of interest?

- Ans ☒ A. 3000
☐ B. 6000
☐ C. 1500
☐ D. 4800

Q.37 Arvind bought an article for ₹x. He sold it to Biru at a loss of 25%. Biru spent ₹157 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,715, then what is the value of x (in ₹)?

- Ans ☐ A. 1,408
☐ B. 1,414
☐ C. 1,446
☒ D. 1,424

Q.38 Find the number which when subtracted from 11 and 67 will give 21 as their mean proportional.

- Ans ☐ A. 8
☒ B. 4
☐ C. 3
☐ D. 6

Q.39 Two rectangular fields have lengths x and y meters respectively, where $x > y$. The sum of their lengths is equal to three times the difference of their lengths. What is the value of $\frac{3xy}{2(x^2 - y^2)}$?

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

Q.40 If the mean of the following data is 50, then what is the value of x?

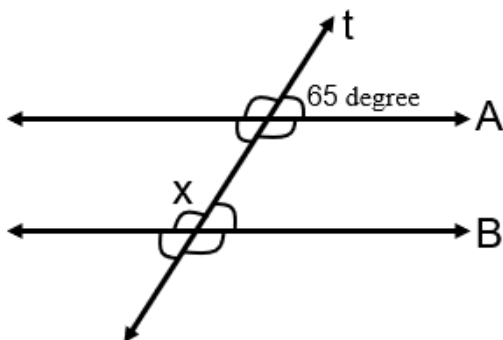
Class	10-20	20-30	30-40	40-50	50-60
Frequency	39	47	44	13	x

- Ans ☐ A. 674
☐ B. 648
☒ C. 653
☐ D. 649

Q.41 One person travels three sides of an equilateral triangle at a speed of 12 km/hr, 24 km/hr and 8 km/hr. Find his average speed (in km/hr).

- Ans** ☒ A. 12
☒ B. 13.8
☒ C. 12.6
☒ D. 13.4

Q.42 Find the value of x if A and B are two parallel lines.



- Ans** ☒ A. 105°
☒ B. 55°
☒ C. 90°
☒ D. 115°

Q.43 Two trains, one 120 m long and the other 180 m long, are running in opposite directions at 45 km/hr and 54 km/hr, respectively. How long will they take to cross each other completely? [Give your answer in seconds, correct to one place after decimal.]

- Ans** ☒ A. 11.5 s
☒ B. 9.5 s
☒ C. 12.0 s
☒ D. 10.9 s

Q.44 If the surface area of a sphere is divided by its radius, the result becomes 132 cm. Find the volume of the sphere. (Take $\pi = \frac{22}{7}$)

- Ans** ☒ A. 4911 cm^3
☒ B. 4951 cm^3
☒ C. 5109 cm^3
☒ D. 4851 cm^3

Q.45 If 8 workers can complete a task in 12 days, how many days will 6 workers take to complete the same task?

- Ans** ☒ A. 18 days
☒ B. 15 days
☒ C. 12 days
☒ D. 16 days

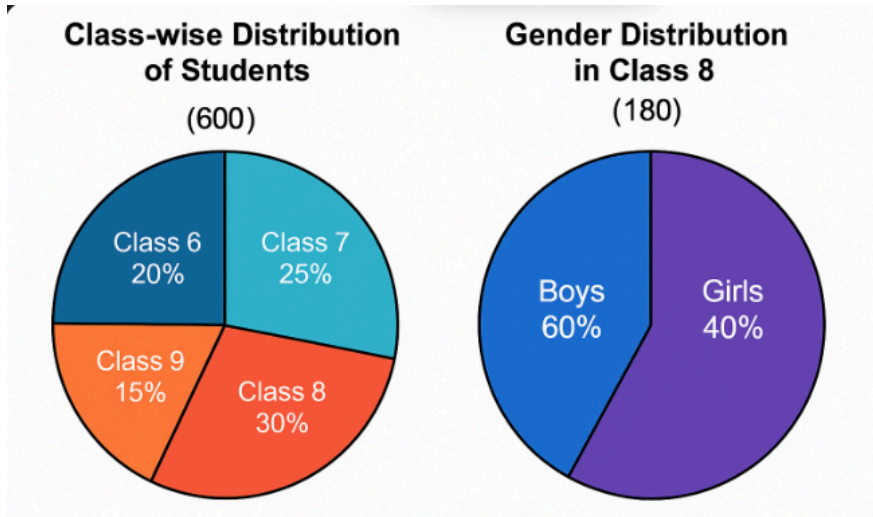
Q.46 A 5-member family consists of grandparents, parents, and one grandchild. The average age of the grandparents is 76 years, that of the parents is 40 years, and the age of the grandchild is 8 years. What is the average age of the family?

- Ans** ☒ A. 42 years
☒ B. 46 years
☒ C. 48 years
☒ D. 44 years

Q.47 If $\sin\theta + \cos\theta = \sqrt{3}$, then the value of $\sin^3\theta + \cos^3\theta$ is

- Ans
- ☐ A. -1
 - ☐ B. $\sqrt{3}$
 - ☐ C. 3
 - ☒ D. 0

Q.48 Study the pie charts and answer the question that follows. The charts below show the distribution of students in a school.



What is the number of girls in Class 8?

- Ans
- ☒ A. 72
 - ☐ B. 90
 - ☐ C. 60
 - ☐ D. 108

Q.49 Arun has a sum of ₹1,681 with him. He divides this amount between his two sons, Mahesh and Vijay. Mahesh invests his share at 5% per annum, compounded annually, for 17 years, while Vijay invests his share at the same rate for 18 years. After the respective periods, both receive equal amounts. Find the amount (in ₹) given to Mahesh.

- Ans
- ☐ A. 711
 - ☐ B. 820
 - ☒ C. 861
 - ☐ D. 920

Q.50 The value of $\tan^2\theta + \cot^2\theta - \sec^2\theta \operatorname{cosec}^2\theta + 2$ is:

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

- Q.51** 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 S related to N if 'S × E ÷ W – T + N'?

- Ans** ☐ A. Wife
☐ B. Daughter
☐ C. Sister
☒ D. Mother

- Q.52** Seven students I, J, K, P, Q, R and Z are sitting around a circular table facing the center of the table. Q sits third to the left of K. Only two people sit between R and J when counted from the left of J. P sits to the immediate right of K. P sits second to the left of R. Z is not an immediate neighbor of Q. Who sits second to the right of I?

- Ans** ☐ A. P
☒ B. K
☐ C. Z
☐ D. R

- Q.53** Each of B, F, N, K, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. B has exam on Friday. Only five people have exams after U. Only one person has exam between F and U. K has exam immediately before T. V does not have exam on Monday. How many people have exams between V and B?

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

- Q.54** In a certain code language, 'five minutes only' is coded as 'ta bs yk' and 'only the truth' is coded as 'cz ta gp'. How is 'only' coded in that language? (All the codes are two-letter codes only.)

- Ans** ☐ A. yk
☒ B. ta
☐ C. gp
☐ D. bs

- Q.55** Each vowel in the word CHEMIST is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the right in the new group of letters thus formed?

- Ans** ☐ A. Q
☒ B. R
☐ C. S
☐ D. T

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 Fb related to Yt if 'Fb # Ki × Tn % Ec × Yt'?

- Ans** ☒ A. Wife's sister
☐ B. Daughter's husband
☐ C. Sister's husband
☐ D. Mother's sister

Q.57 This question is based on the following words.

WAR ITS NOT BET

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

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

51 55 63 75 91 ?

- Ans** ☐ A. 116
☒ B. 111
☐ C. 124
☐ D. 102

Q.59 Mr. Nima starts from Point A and drives 26 km towards south. He then takes a right turn, drives 31 km, turns right and drives 42 km. Next, he takes a right turn, drives 25 km, turns right and drives 11 km. He then takes a left turn and drives 14 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° turns only, unless specified.)

- Ans** ☐ A. 10 km towards north
☐ B. 10 km towards south
☒ C. 8 km towards west
☐ D. 6 km towards east

Q.60 What should come in place of ? in the given series based on the English alphabetical order?

BDF HJL NPR TVX ?

- Ans** ☐ A. YZA
☐ B. YAC
☒ C. ZBD
☐ D. ZBC

Q.61 In a certain code language, 'may get prize' is coded as 'gm qv bn' and 'get more water' is coded as 'kp bn tz'. How is 'get' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☒ A. kp
 - ☒ B. bn
 - ☒ C. qv
 - ☒ D. tz

Q.62 This question is based on the given words.

FAX KEY POT GYM

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.63 Karan starts from Point A and drives 12 km towards north. He then takes a left turn, drives 8 km, turns left and drives 14 km. He then takes a left turn and drives 13 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. 5 km to the west
 - ☒ B. 5 km to the east
 - ☒ C. 6 km to the west
 - ☒ D. 6 km to the east

Q.64 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DZA-XTU
YUV-SOP

- Ans**
- ☒ A. SNN-LHI
 - ☒ B. SNN-MIJ
 - ☒ C. SOP-LII
 - ☒ D. SOP-MIJ

Q.65 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $3 \div 2 + 15 \times 3 - 5 = ?$

- Ans**
- ☒ A. 5
 - ☒ B. 6
 - ☒ C. 4
 - ☒ D. 8

Q.66 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) W N E U S X J U C G Z A D R M I A G Y E A Z (Right)

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

- Ans
- ☐ A. 2
 - ☐ B. 4
 - ☐ C. 5
 - ☒ D. 3

Q.67 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

2 - 6 - 18 - 38 ; 3 - 9 - 27 - 47

- Ans
- ☒ A. 5 - 15 - 45 - 65
 - ☐ B. 6 - 18 - 36 - 76
 - ☐ C. 4 - 8 - 16 - 40
 - ☐ D. 7 - 14 - 28 - 58

Q.68 Each letter in the word LANDMARK is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is fourth from the left and the one that is second from the right in the new letter-cluster thus formed?

- Ans
- ☒ A. 2
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 4

Q.69 A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on, till the topmost floor is numbered 6. A lives on an odd numbered floor but not 3. The sum of floors on which A and S live is 7. D lives immediately below F. H lives on the top floor. What is the sum of floors on which H and G live?

- Ans
- ☐ A. 8
 - ☐ B. 6
 - ☐ C. 5
 - ☒ D. 7

Q.70 Refer to the following letter, symbol series and answer the question.

(Left) G # M + B & H % \$ F # E ^ & W @ W \$ D S ! (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

- Ans
- ☐ A. +
 - ☐ B. @
 - ☐ C. ?
 - ☒ D. \$

Q.71 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13 - 28

20 - 42

- Ans**
- ☒ A. 5 - 14
 - ☒ B. 11 - 23
 - ☒ C. 17 - 36
 - ☒ D. 5 - 13

Q.72 Tarun ranked 49th from the top and 69th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ A. 118
 - ☒ B. 117
 - ☒ C. 119
 - ☒ D. 116

Q.73 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SNQ :: JEH : %

- Ans**
- ☒ A. # = PJI, % = BGK
 - ☒ B. # = OPN, % = MBN
 - ☒ C. # = PKN, % = MHK
 - ☒ D. # = PGN, % = MHL

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 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. XXT
 - ☒ B. CBY
 - ☒ C. YXU
 - ☒ D. NMJ

Q.75 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) & B @ 8 X 9 * \$ J @ P 4 L 4 @ & 5 @ F # € 5 (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

- Ans**
- ☒ A. \$
 - ☒ B. 4
 - ☒ C. *
 - ☒ D. @

Q.76 Each of the digits in the number 31598756 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. 11
☒ B. 9
☒ C. 8
☒ D. 10

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.

FTN : IWL
JSU : MVS

- Ans** ☒ A. HWL : KZI
☒ B. NGJ : QJH
☒ C. KWQ : NYO
☒ D. JLJ : MOG

Q.78 Each of the digits in the number 81532976 is arranged in the ascending order from left to right. Which of the following digits will be fourth from the left in the new number thus formed?

- Ans** ☒ A. 7
☒ B. 5
☒ C. 6
☒ D. 3

Q.79 D, F, G, H, J, K and L are sitting around a circular table facing the centre. Only three people sit between L and D when counted from the right of D. K and F are immediate neighbours of D. G sits immediately to the right of H. K is not an immediate neighbour of J. How many people sit between G and J when counted from the left of G?

- Ans** ☒ A. 1
☒ B. 4
☒ C. 2
☒ D. 3

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 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. HNT
☒ B. JPU
☒ C. KQV
☒ D. CIN

Section : General Awareness and Current Affairs

Q.81 The Animal-inclusive Disaster Risk Reduction (AiDRR) Guidelines released in April 2026 were primarily intended to strengthen which aspect of community resilience?

- Ans** ☒ A. Emergency shelter administration mechanisms
☒ B. Community early warning mechanisms
☒ C. Disaster response coordination mechanisms
☒ D. Livelihood sustainability mechanisms

Q.82 What was the name of the National AI Literacy programme launched by IndiaAI under the Ministry of Electronics and Information Technology in collaboration with AISECT in February 2026 to expand access to foundational AI education in semi-urban and underserved regions?

- Ans**
- ☒ A. Yuva AI for All
 - ☐ B. AI Shiksha Mission
 - ☐ C. Digital AI Bharat
 - ☐ D. IndiaAI Connect

Q.83 In the landmark decision *Deeksha Amrutesh v. State of Karnataka (2026)*, the Supreme Court issued a historic pan-India mandate concerning gender representation. What did the Court rule?

- Ans**
- ☐ A. 50% reservation for female advocates in public prosecutor panels
 - ☐ B. 33% mandatory reservation for women in lower state judiciary
 - ☒ C. 30% mandatory women representation in all Bar Associations
 - ☐ D. 25% quota for women members in high court collegium offices

Q.84 In May, 2026, the Vigilance and Anti-Corruption Bureau (VACB) launched "Project Zero", a major initiative aimed at curbing bribery and corruption in public administration. This initiative was launched in which state?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Kerala
 - ☐ C. Karnataka
 - ☐ D. Andhra Pradesh

Q.85 The \$2.6 billion uranium supply agreement signed between India and Canada in March 2026 was primarily aimed at strengthening which energy sector of India?

- Ans**
- ☒ A. Nuclear Energy Sector
 - ☐ B. Hydroelectric Energy Sector
 - ☐ C. Solar Energy Sector
 - ☐ D. Wind Energy Sector

Q.86 At the 98th Academy Awards held in March 2026, which cinematic work secured the premier Oscar for the Best Picture alongside the Best Director?

- Ans**
- ☐ A. Hamnet
 - ☐ B. Sentimental Value
 - ☒ C. One Battle After Another
 - ☐ D. Sinners

Q.87 What was a notable feature of the Waqf (Amendment) Act, 2025?

- Ans**
- ☐ A. It restricted Waqf property management to religious leaders.
 - ☒ B. It mandated the representation of Muslim women on Waqf Boards.
 - ☐ C. It allowed non-Muslims to donate to Waqf properties.
 - ☐ D. It abolished the Central Waqf Council.

Q.88 The Central Government approved ₹2,432 crore under the Amended BharatNet Programme (ABP) in May 2026 for broadband expansion in which state?

- Ans**
- ☐ A. Madhya Pradesh
 - ☒ B. Andhra Pradesh
 - ☐ C. Rajasthan
 - ☐ D. Gujarat

Q.89 The National Science Centre, Delhi, celebrated World Earth Day 2026 on April 22 based on which official global theme?

- Ans**
- ☒ A. Our Power, Our Planet
 - ☐ B. Climate Action for Future Generations
 - ☐ C. Invest in Our Planet
 - ☐ D. Restore Our Earth

Q.90 Which of the following groups did the National Human Rights Commission (NHRC) specifically identify as being most at risk due to heat waves in India, according to the recent directive issued in April 2026?

- Ans**
- ☐ A. Urban residents in metropolitan cities
 - ☐ B. Government officials and administrators
 - ☐ C. Schoolchildren in private institutions
 - ☒ D. Economically weaker sections, outdoor workers, and the homeless

Q.91 Param Shakti Supercomputing facility, launched at Indian Institute of Technology (IIT) Madras in January 2026, is powered by which indigenous supercomputing system?

- Ans**
- ☐ A. PARAM PRAVEGA
 - ☒ B. PARAM RUDRA
 - ☐ C. PARAM SHIVAY
 - ☐ D. PARAM BRAHMA

Q.92 How many medals did India secure at the Asian Weightlifting Championship held in May 2026 at Gujarat?

- Ans**
- ☐ A. 17
 - ☐ B. 14
 - ☐ C. 8
 - ☒ D. 10

Q.93 In May 2026, Dev Kumar Meena and Kuldeep Kumar jointly established a national record in which athletics event?

- Ans**
- ☒ A. Men's pole vault field
 - ☐ B. Men's long jump field
 - ☐ C. Men's high jump field
 - ☐ D. Men's triple jump field

Q.94 In the April 2026 monetary policy announcement of the Reserve Bank of India, the repo rate was fixed at:

- Ans**
- ☒ A. 5.25%
 - ☐ B. 6.00%
 - ☐ C. 4.50%
 - ☐ D. 5.00%

Q.95 Which initiative was announced in the Union Budget 2026–27 to shift sports development in India towards a long-term, mission-mode approach over the next decade?

- Ans**
- ☒ A. Khelo India Mission
 - ☐ B. National Sports Development Fund
 - ☐ C. Fit India Global Mission
 - ☐ D. Target Olympic Podium Scheme Plus

Q.96 Which organisation constituted a committee in March 2026 to study issues related to Invasive Alien Species in India?

- Ans**
- ✓ A. National Biodiversity Authority
 - ✗ B. Zoological Survey of India
 - ✗ C. Botanical Survey of India
 - ✗ D. National Green Tribunal

Q.97 Which feature of PMAY-G was highlighted in the Union Budget 2026–27 as an indicator of women-centric rural housing empowerment?

- Ans**
- ✗ A. Allotment of houses through women-exclusive housing boards
 - ✗ B. Allotment of houses only to women rural wage workers
 - ✗ C. Allotment of houses only through women-led self-help groups
 - ✓ D. Allotment of houses in women's names or joint spousal ownership

Q.98 India was ranked 102nd in the Global Hunger Index 2025. Which hunger severity classification was assigned to India based on its overall score?

- Ans**
- ✗ A. Moderate hunger category
 - ✗ B. Low hunger category
 - ✗ C. Alarming hunger category
 - ✓ D. Serious hunger category

Q.99 Which of the following film stars was sworn in as the Chief Minister of Tamil Nadu in May 2026?

- Ans**
- ✓ A. C. Joseph Vijay
 - ✗ B. Vijay Sethupathi
 - ✗ C. Ajith Kumar
 - ✗ D. Kamal Haasan

Q.100 The 2026 Laureus World Sports Awards, celebrating achievements of the 2025 calendar year, were held in Madrid. Who was awarded the prestigious 'World Sportsman of the Year'?

- Ans**
- ✗ A. Tadej Pogacar
 - ✗ B. Lando Norris
 - ✗ C. Ousmane Dembélé
 - ✓ D. Carlos Alcaraz



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Tirunelveli
Test Date	06/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which organ produces hormones that regulate the menstrual cycle?

- Ans
- ☐ A. Testes
 - ☐ B. Thyroid
 - ☒ C. Ovaries
 - ☐ D. Pancreas

Q.2 Which of the following facts about cellular respiration is **INCORRECT**?

- Ans
- ☐ A. Anaerobic respiration occurs in the absence of oxygen.
 - ☐ B. The first step of glucose breakdown takes place in the cytoplasm.
 - ☐ C. Anaerobic respiration in yeast produces ethanol and carbon dioxide.
 - ☒ D. Anaerobic respiration in yeast produces water as a major end product.

Q.3 If the molecular mass of nitrogen gas (N_2) is 28, what is the atomic mass of a single nitrogen atom?

- Ans
- ☐ A. 7
 - ☐ B. 21
 - ☐ C. 28
 - ☒ D. 14

Q.4 The number of bonds formed in ethene is:

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

Q.5 What movement in plants causes a tendril to circle and cling to an object?

- Ans
- ☐ A. Locomotary movement
 - ☐ B. Nastic movement
 - ☒ C. Tropic movement
 - ☐ D. Turgor movement

Q.6 What is the angle between the two lateral faces of a triangular glass prism called?

- Ans
- ☐ A. The angle of incidence.
 - ☐ B. The angle of deviation.
 - ☐ C. The angle of refraction.
 - ☒ D. The angle of the prism.

Q.7 A student places a convex lens in sunlight and notices a small bright spot forms on a paper held below the lens. What property of the lens allows this to happen?

- Ans**
- ☐ A. The lens diverges the rays in all directions
 - ☒ B. The lens focuses parallel rays to a single point
 - ☐ C. The lens blocks all rays from passing through
 - ☐ D. The lens only works for colored light

Q.8 Which method effectively prevents corrosion by blocking contact with air and moisture?

- Ans**
- ☐ A. Exposing metal to sunlight
 - ☒ B. Applying paint or protective coating
 - ☐ C. Mixing metal with water
 - ☐ D. Heating metal at high temperature

Q.9 Which quantity changes continuously for an object in uniform circular motion?

- Ans**
- ☐ A. The kinetic energy changes
 - ☐ B. The mass changes
 - ☐ C. The speed changes
 - ☒ D. The direction of velocity changes

Q.10 Every lever consists of three essential parts that help it function. Which of the following is NOT one of these parts?

- Ans**
- ☐ A. Effort
 - ☒ B. Axle
 - ☐ C. Fulcrum
 - ☐ D. Load

Q.11 The combustion of carbon or its compounds gives off:

- Ans**
- ☒ A. Heat and light
 - ☐ B. Heat only
 - ☐ C. Electricity
 - ☐ D. Light only

Q.12 A student is analyzing digestive systems in different invertebrates. Which structural change allows efficient, one-way food processing and waste elimination?

- Ans**
- ☐ A. Evolution of feeding tentacles
 - ☐ B. Presence of body segmentation
 - ☒ C. Development of two body openings
 - ☐ D. Acquisition of bilateral symmetry

Q.13 How do autotrophs fulfill their carbon and energy requirements?

- Ans**
- ☐ A. By digestion
 - ☒ B. By photosynthesis
 - ☐ C. By fermentation
 - ☐ D. By respiration

Q.14 Which of the following solutions has the lowest hydrogen ion concentration?

- Ans**
- ☐ A. Vinegar (pH = 3)
 - ☐ B. Blood (pH = 7.4)
 - ☐ C. Milk (pH = 6.6)
 - ☒ D. Seawater (pH = 8.2)

Q.15 A copper wire and an iron wire have the same length and thickness. Which wire will have lower resistance and why, when both are kept at the same temperature?

- Ans**
- ☐ A. Both wires, because material does not affect resistance
 - ☐ B. The iron wire, because iron is a better conductor
 - ☒ C. The copper wire, because copper is a better conductor
 - ☐ D. Both wires, because thickness is the only factor

Q.16 Complete the analogy.

Sperm Production : Testes :: Egg Production : _____.

- Ans**
- ☐ A. Uterus
 - ☐ B. Vagina
 - ☒ C. Ovaries
 - ☐ D. Fallopian tubes

Q.17 Which of the following element symbols does NOT match its element?

- Ans**
- ☐ A. C for Carbon
 - ☒ B. Sb for Seaborgium
 - ☐ C. As for Arsenic
 - ☐ D. O for Oxygen

Q.18 Which of the following metals is usually extracted from its ore by electrolytic reduction?

- Ans**
- ☐ A. Zinc
 - ☐ B. Iron
 - ☒ C. Aluminium
 - ☐ D. Copper

Q.19 Which of the following best describes the appearance of a distance-time graph for an object moving at a uniform speed?

- Ans**
- ☒ A. A straight line with a constant positive slope
 - ☐ B. A horizontal line parallel to the time axis
 - ☐ C. A curved line with a changing slope
 - ☐ D. A vertical line parallel to the distance axis

Q.20 A botanist names a new flowering plant growing in a remote region using binomial system. Which of the following is the correct format?

- Ans**
- ☐ A. Species capitalized, genus in lowercase
 - ☐ B. Both words in lowercase
 - ☐ C. Both words in uppercase
 - ☒ D. Genus capitalized, species in lowercase

Q.21 A student holds a heavy school bag while waiting for the bus without moving. Which of the following statements are correct?

- (1) Force is applied by the student.
- (2) The bag is displaced.
- (3) Work is done on the bag.
- (4) No work is done in the scientific sense.

- Ans**
- ☐ A. (1), (2), (3)
 - ☐ B. (2) and (3) only
 - ☐ C. (1) and (3) only
 - ☒ D. (1) and (4) only

Q.22 A student beats a large drum and blows a high-pitched plastic whistle at the same time. Which property of the sound waves is the main reason why the whistle sounds so different from the drum?

- Ans**
- ☐ A. The speed of the sound waves through the air is different for each
 - ☐ B. The type of air in the room changes when each instrument is played
 - ☐ C. The loudness of the sound waves is always the same for both
 - ☒ D. The frequency of the sound waves is different for each instrument

Q.23 If a 9V battery is connected across three resistors of 3 ohms, 2 ohms, and 1 ohm in series, what is the current flowing through the circuit?

- Ans**
- ☐ A. 6 A
 - ☐ B. 9 A
 - ☐ C. 3 A
 - ☒ D. 1.5 A

Q.24 Complete the Analogy.

Plant : Rigid Cell Wall :: Animal : _____

- Ans**
- ☐ A. Lignified support
 - ☐ B. Fixed position
 - ☒ C. Cellular flexibility
 - ☐ D. Photosynthetic tissues

Q.25 A chemistry teacher prepares a mixture by dissolving copper sulfate in water until the solution is clear blue. Why is this considered a homogeneous mixture?

- Ans**
- ☐ A. Copper sulfate can be separated by filtration easily
 - ☐ B. Copper sulfate crystals float on the surface of water
 - ☐ C. The mixture forms two distinct layers after stirring
 - ☒ D. The mixture appears as a single phase with no visible separation

Section : Mathematics

Q.26 The ratio of the ages of Riya to Suman is 2:3. After 6 years from now, the ratio becomes 4:5. What is Riya's present age?

- Ans**
- ☐ A. 4 years
 - ☐ B. 8 years
 - ☐ C. 10 years
 - ☒ D. 6 years

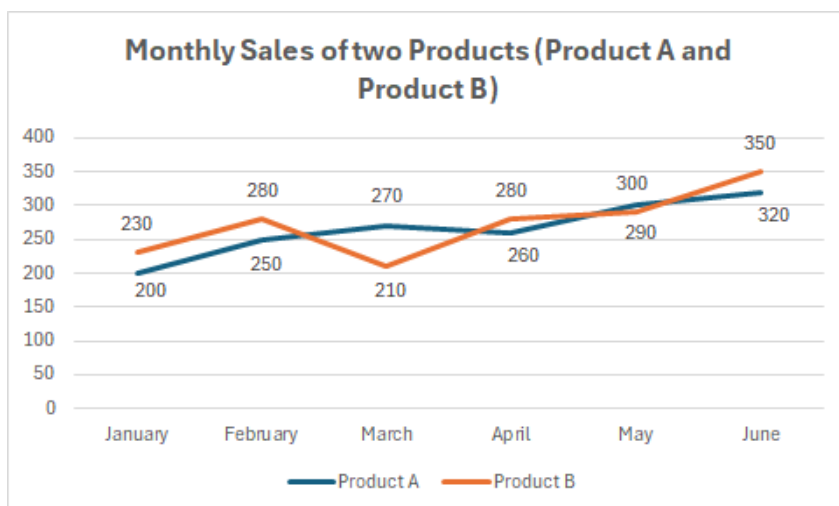
Q.27 What is the least value that must be assigned to A so that the 8-digit number 456A3264 is divisible by 12?

- Ans**
- ☐ A. 4
 - ☐ B. 6
 - ☒ C. 0
 - ☐ D. 3

Q.28 Simplify: $3^3 \times 3^2$.

- Ans**
- ☒ A. 3^5
 - ☐ B. 3^6
 - ☐ C. 3^1
 - ☐ D. 3^8

- Q.29 The line graph shows the monthly sales of two products (Product A and Product B) in units during the first six months of 2024.



In which month did Product B's sales exceed Product A's sales by the largest percentage?

- Ans ☒ A. January
☒ B. May
☒ C. April
☒ D. June

- Q.30 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 ₹1,753
☒ B. increase by ₹1,757
☒ C. increase by ₹1,752
☒ D. decrease by ₹1,748

- Q.31 The compound interest on a sum of ₹10000 for 2 years is ₹2544, when the interest is compounded annually. If the rate of interest per annum is halved and the time duration is doubled, then the compound interest (in ₹, correct to nearest paise) will be:

- Ans ☒ A. 2724.67
☒ B. 2624.77
☒ C. 2642.77
☒ D. 2742.67

- Q.32 Find the median of the data set: 10, 13, 14, 17, 18.

- Ans ☒ A. 13
☒ B. 17
☒ C. 14
☒ D. 10

Q.33 Simplify: $\frac{3\sin^2 A + 5\cos A - 5}{\sin^2 A}$

- Ans
- ☒ A. $\frac{3\cos A + 2}{1 - \cos A}$
 - ☒ B. $\frac{1 + \cos A}{3\cos A - 2}$
 - ☒ C. $\frac{3\cos A - 2}{1 + \cos A}$
 - ☒ D. $\frac{1 - \cos A}{3\cos A + 2}$

Q.34 What is the value of $\left(\frac{\cos \gamma \cot \gamma}{1 - \sin \gamma}\right)$ at $\gamma = 30^\circ$?

- Ans
- ☒ A. 0
 - ☒ B. 1
 - ☒ C. $\frac{3}{2}$
 - ☒ D. 3

Q.35 The 7-digit number 84A614B is divisible by 3. What is the minimum value of (A + B)?

- Ans
- ☒ A. 2
 - ☒ B. 4
 - ☒ C. 1
 - ☒ D. 5

Q.36 The area of a trapezium is $2,220 \text{ cm}^2$. Its parallel sides are 29 cm and 31 cm. If the distance between parallel sides is x cm, find the value of x.

- Ans
- ☒ A. 37
 - ☒ B. 62
 - ☒ C. 56
 - ☒ D. 74

Q.37 The mean and the mode of a set of data are 15.7 and 17, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

- Ans
- ☒ A. 16.1
 - ☒ B. 15.9
 - ☒ C. 15
 - ☒ D. 16.4

Q.38 The difference between compound interest (compounded annually) and simple interest for 3 years at the rate of 18% per annum is ₹25,758. What is the principal lent?

- Ans
- ☒ A. ₹3,50,000
 - ☒ B. ₹2,50,000
 - ☒ C. ₹4,00,000
 - ☒ D. ₹3,00,000

Q.39 A cylindrical tank has radius 7 m and height 21 m. The inside surface (curved plus base) is fully painted. On the outside, the curved surface is painted except for a horizontal strip of width 1 m along the top rim; the outside base is also painted. Use $\pi = \frac{22}{7}$. The inside is painted at ₹5 per m² and the outside at ₹7 per m². What is the total painting cost?

Ans ☒ A. ₹12,628

☐ B. ₹12,672

☐ C. ₹12,716

☐ D. ₹12,760

Q.40 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 15 hours and pipe C can fill the same tank in 10 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

Ans ☐ A. 3

☒ B. 1

☐ C. 2

☐ D. 4

Q.41 A residential plot is purchased for ₹6,28,200 and sold for ₹7,09,866. What is the profit percentage?

Ans ☐ A. 17%

☐ B. 11%

☒ C. 13%

☐ D. 19%

Q.42 If the mean of three values $3x$, $2x+6$ and $2x+1$ is 7, then find x .

Ans ☐ A. 4

☐ B. 6

☐ C. 8

☒ D. 2

Q.43 Kaushal travelled for 2 hours 45 minutes at the speed of 32 km/h. At what speed (in km/h) should he travel to cover the same distance in 4 hours?

Ans ☐ A. 19

☐ B. 24

☐ C. 21

☒ D. 22

Q.44 What would be the annual interest (in ₹) accrued on a deposit of ₹20,000 in a bank that pays a 5% per annum rate of simple interest?

Ans ☒ A. 1000

☐ B. 1200

☐ C. 1800

☐ D. 1500

Q.45 If 5 notebooks cost ₹125, what will be the cost of 8 such notebooks?

Ans ☐ A. ₹150

☐ B. ₹180

☐ C. ₹120

☒ D. ₹200

Q.46 An officer spends 10% of his salary on house rent. From the remaining amount, he spends 50% on conveyance. He is left with ₹20,556. What was his total salary?

Ans ☒ A. ₹45,680

☐ B. ₹46,680

☐ C. ₹48,680

☐ D. ₹47,680

Q.47 A bus covers $\frac{1}{10}$ of a distance from one place to another at a speed of 25 km/hr, $\frac{1}{5}$ of the distance at the speed of 8 km/hr. At what speed would it be supposed to cover the remaining distance to have an average speed of 15.625 km/hr?

Ans ☐ A. 8 km/hr

☐ B. 10 km/hr

☒ C. 20 km/hr

☐ D. 25 km/hr

Q.48 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 12% and 79%, shop II allows successive discounts of 33% and 19%, shop III allows successive discounts of 38% and 39% and shop IV allows successive discounts of 55%, 79%, and 34% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

Ans ☐ A. I

☒ B. IV

☐ C. II

☐ D. III

Q.49 60% of the canvas used to make a closed cylinder with a radius of 5 cm and a height of 15 cm is reused to make a conical hat with a radius of 8 cm. What is the slant height (in cm) of the conical hat?

Ans ☒ A. 15

☐ B. 17

☐ C. 25

☐ D. 13

Q.50 Expand $(a - p + m)^2$

Ans ☐ A. $a^2 - p^2 + m^2 - 2ap - 2pm + 2am$

☐ B. $a^2 + p^2 - m^2 - 2ap - 2pm + 2am$

☒ C. $a^2 + p^2 + m^2 - 2ap - 2pm + 2am$

☐ D. $a^2 - p^2 - m^2 - 2ap - 2pm + 2am$

Section : General Intelligence and Reasoning

Q.51 Each vowel in the word COMBINE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

Ans ☐ A. F

☒ B. A

☐ C. M

☐ D. B

Q.52 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among five sticks, V, H, Y, D and N, each having a different height, which stick is the shortest?

(I) N is taller than Y.

(II) D is taller than N. V is only shorter than one stick.

- Ans** ☒ A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
☒ B. Both statements I and II together are NOT sufficient to answer the question
☒ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.53 H, I, J, L, M and N live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

M lives on floor number 6. Only three people live between M and H. L lives on a floor below H. N lives on an even-numbered floor. I lives on an odd-numbered floor but not on floor number 5.

How many people live between J and H?

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

Q.54 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HIE DEA ZAW VWS ?

- Ans** ☒ A. RRN
☒ B. RTN
☒ C. RSO
☒ D. RSU

Q.55 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 - 12 \div 3 + 10 \times 2 = ?$$

- Ans** ☒ A. 36
☒ B. 37
☒ C. 39
☒ D. 56

Q.56 Seven people, N, F, X, G, Q, T and M, are sitting in a row, facing the north. Only two people sit between F and N. Only T sits to the right of X. Only one person sits between N and X. G sits at some place to the right of Q but at some place to the left of M.

How many people sit to the left of G?

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

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

136 149 164 181 200 ?

- Ans** ☒ A. 221
☐ B. 247
☐ C. 295
☐ D. 285

Q.58 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

XBF-CGK
YCG-DHL

- Ans** ☐ A. JNS-PSW
☐ B. XAD-CGK
☐ C. XAD-BFJ
☒ D. JNR-OSW

Q.59 Six boxes, D, E, F, G, X and Y, 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 F. Only E is kept above Y. X is kept at some place above G.
How many boxes are kept between F and X?

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

Q.60 UX 4 is related to QT 12 in a certain way. In the same way, GJ 6 is related to CF 18. To which of the following is LO 8 related to following the same logic?

- Ans** ☐ A. IK 23
☐ B. IL 21
☐ C. HJ 24
☒ D. HK 24

Q.61 Each of A, B, C, D, E, F, and G has an exam on a different day of the week, starting from Monday and ending on Sunday of the same week. A has an exam on Tuesday. F has an exam immediately after A. Only one person has an exam between F and B. C has an exam immediately after B. D has an exam immediately after C. No one has exam before G.
On which day does E have an exam?

- Ans** ☐ A. Friday
☐ B. Monday
☐ C. Wednesday
☒ D. Thursday

Q.62 What will come in place of the '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$231 \div 61 \times 427 - 321 + 217 = ?$

- Ans** ☒ A. 137
☐ B. 317
☐ C. 117
☐ D. 173

Q.63 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) 9 2 7 8 9 1 2 3 9 3 5 6 6 4 1 7 8 6 7 5 1 9 8 4 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 odd digit?

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

Q.64 In a certain code language, 'VEIN' is coded as '7462' and 'EASY' is coded as '9537'. How is 'E' coded in that language?

- Ans ☒ A. 7
☐ B. 5
☐ C. 4
☐ D. 9

Q.65 This question is based on the following words.

(Left) SAD DIM CRY GYM (Right)

How many letters are there in the English alphabetical order between the third letter of the second word from the left and the second letter of the second word from the right?

- Ans ☐ A. 5
☐ B. 3
☐ C. 7
☒ D. 4

Q.66 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Ah, Bt, Ci, Du and Ez are sitting around a circular table, facing the centre. Who sits second to the left of Ah?

(I) Du sits second to the left of Ez. Ci sits to the immediate left of Ez.

(II) Bt sits to the immediate left of Du. Ez sits second to the right of Du.

- Ans ☐ A. Data in statements I and II together are NOT sufficient to answer the question
☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
☐ C. Data in statement I alone is sufficient to answer the question while data in statement II is not
☐ D. Data in statement II alone is sufficient to answer the question while data in statement I is not

Q.67 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) 3 4 9 2 1 7 2 8 3 4 9 8 3 9 7 9 8 5 2 6 7 2 1 1 2 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. 6
☐ B. 7
☒ C. 5
☐ D. 4

Q.68 Six people, C, D, E, O, P and Q, are sitting in a row, facing north.
Only two people sit to the right of C. Only two people sit between E and C. C sits to the immediate left of D. P sits to the immediate right of D. Only one person sits between E and Q.
How many people sit between O and P?

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

Q.69 This question is based on the following letter-clusters.

BOC TWE JVN HEQ

In each of the letter-clusters, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

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 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. VL – YO
☒ B. MD – QH
☒ C. PG – TK
☒ D. SJ – WN

Q.71 Kartik starts from Point A and drives 19 km towards the south. He then takes a left turn, drives 13 km, turns left and drives 24 km. He then takes a left turn and drives 22 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-degree turns only unless specified.)

- Ans** ☒ A. 9 km to the east
☒ B. 8 km to the west
☒ C. 9 km to the west
☒ D. 8 km to the east

Q.72 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1735862, what will be the sum of the highest and lowest digits in the number thus formed?

- Ans** ☒ A. 6
☒ B. 9
☒ C. 7
☒ D. 8

Q.73 Each letter in the word ATTRACT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter-cluster thus formed?

- Ans**
- ☐ A. 15
 - ☐ B. 17
 - ☒ C. 16
 - ☐ D. 19

Q.74 In a certain code language,
A # B means 'A is the mother of B',
A + B means 'A is the daughter of B',
A ÷ B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is A related to T if 'A # B + H @ K ÷ T'?

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

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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ A. WZ-YB
 - ☒ B. JM-KQ
 - ☐ C. HK-JM
 - ☐ D. VY-XA

Q.76 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, a certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

15 - 18 - 26 - 22 ; 20 - 23 - 31 - 27

- Ans**
- ☐ A. 6 - 9 - 17 - 21
 - ☐ B. 14 - 11 - 19 - 15
 - ☒ C. 8 - 11 - 19 - 15
 - ☐ D. 12 - 9 - 17 - 13

Q.77 CJGE is related to IPMK in a certain way based on the English alphabetical order. In the same way, GNKI is related to MTQO. To which of the following is KROM related, following the same logic?

- Ans**
- ☐ A. QXSU
 - ☐ B. QXUR
 - ☒ C. QXUS
 - ☐ D. QYUR

Q.78 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

14 - 28 - 56 - 112 ; 16 - 32 - 64 - 128

- Ans**
- ☐ A. 17 - 34 - 68 - 130
 - ☐ B. 15 - 30 - 60 - 100
 - ☒ C. 18 - 36 - 72 - 144
 - ☐ D. 20 - 40 - 90 - 180

Q.79 E is wife of F. F is father of G. G is mother of H. How is E related to H?

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

Q.80 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) T J C U J D C Y P S U V Y R T W K V U H Z (Right)

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

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

Section : General Awareness and Current Affairs

Q.81 In January 2026, Group Captain Shubhanshu Shukla was honoured with which of the following gallantry awards?

- Ans**
- ☐ A. Shaurya Chakra
 - ☒ B. Ashok Chakra
 - ☐ C. Kirti Chakra
 - ☐ D. Param Vir Chakra

Q.82 In the context of India's regulatory frameworks, a new initiative to streamline the insurance claim settlement process was launched in December 2025. Which organization is primarily responsible for implementing such reforms?

- Ans**
- ☒ A. IRDAI
 - ☐ B. RBI
 - ☐ C. SEBI
 - ☐ D. TRAI

Q.83 In May 2026, India's recurve women's team won gold at Archery World Cup Stage-2 by defeating which country in the final?

- Ans**
- ☐ A. Japan
 - ☒ B. China
 - ☐ C. Mexico
 - ☐ D. Korea

Q.84 According to defence sector data released during Financial Year 2025–26, which of the following statements correctly describes India's defence export performance?

- Ans** ✓ A. India's defence exports reached a record ₹38,424 crore during FY 2025–26, registering substantial growth over the previous financial year
- ✗ B. India's defence exports declined significantly during FY 2025–26 due to reduced international demand for indigenous defence equipment
- ✗ C. India completely discontinued private-sector participation in defence manufacturing and restricted exports to domestic requirements only
- ✗ D. India replaced defence manufacturing exports with exclusive imports of strategic military platforms from foreign suppliers

Q.85 Which institutional body of the Reserve Bank of India decided to reduce the repo rate to 5.25 per cent in December 2025?

- Ans** ✗ A. Financial Stability Unit
- ✗ B. Board of Directors
- ✓ C. Monetary Policy Committee
- ✗ D. Governor's Office

Q.86 The Indian astronaut Shubhanshu Shukla spent 18 days aboard the International Space Station in June 2025 as part of which mission?

- Ans** ✗ A. NISAR Mission
- ✗ B. Gaganyaan-1
- ✗ C. SpaDeX-2
- ✓ D. Axiom-04

Q.87 Which team won the AIFF Elite Youth League 2025-26 title?

- Ans** ✗ A. Jamshedpur FC
- ✗ B. Zinc Football Academy
- ✗ C. Reliance foundation
- ✓ D. Punjab FC

Q.88 Which prominent tennis player won the 2026 Australian Open women's singles title by overcoming Aryna Sabalenka in a three-set final?

- Ans** ✓ A. Elena Rybakina
- ✗ B. Madison Keys
- ✗ C. Iga Świątek
- ✗ D. Jessica Pegula

Q.89 In November 2025, which country hosted the G20 Summit, where the main outcome was a joint communiqué on reforming multilateral development banks?

- Ans** ✗ A. Brazil
- ✗ B. India
- ✗ C. Australia
- ✓ D. South Africa

Q.90 During the 16th India–Singapore Defence Policy Dialogue held in 2026, cooperation between the two countries was proposed to be expanded into which of the following emerging security domains?

- Ans** ✗ A. Nuclear disarmament, Antarctic governance, agricultural trade, public health, and space tourism
- ✗ B. Climate finance, mineral exploration, electoral reforms, cultural exchanges, and disaster insurance
- ✗ C. Inland water transport, fisheries management, urban housing, labour migration, and textile production
- ✓ D. Cyber security, artificial intelligence, maritime security, unmanned systems, and advanced defence technologies

Q.91 In which of the following fields was the couple, Shri Ramchandra Godbole and Smt. Suneeta Godbole, from Chhattisgarh jointly honored with the Padma Shri award in 2026?

- Ans**
- ☐ A. Innovative educational methods for rural schools
 - ☐ B. Excellence in national-level sports coaching
 - ☐ C. Development of advanced agricultural technology
 - ☒ D. Medicine and healthcare services in tribal areas

Q.92 As per the announcement made by Union Home Minister Amit Shah, by what date has the Government of India set the target to eliminate Left-Wing Extremism (LWE) from the country?

- Ans**
- ☐ A. 31 March 2028
 - ☐ B. 31 March 2027
 - ☐ C. 31 March 2029
 - ☒ D. 31 March 2026

Q.93 What was the official theme for World Health Day observed on 7th April 2026?

- Ans**
- ☐ A. Global health with scientific unity
 - ☒ B. Together for health. Stand with science
 - ☐ C. Science for healthy world future
 - ☐ D. Health for all, science for care

Q.94 The SHe-Box platform highlighted in government communications during 2026 is primarily associated with the implementation of which legislation?

- Ans**
- ☒ A. Sexual Harassment of Women at Workplace Act, 2013
 - ☐ B. Protection of Women from Domestic Violence Act, 2005
 - ☐ C. Prohibition of Child Marriage Act, 2006
 - ☐ D. Dowry Prohibition Act, 1961

Q.95 In October 2025, India announced the development of its first indigenously discovered antibiotic effective against drug-resistant respiratory infections. What is the name of this antibiotic?

- Ans**
- ☒ A. Nafithromycin
 - ☐ B. Rifampicin
 - ☐ C. Azithromycin
 - ☐ D. Clarithromycin

Q.96 According to the Phase II expansion of the SOAR Programme announced in March 2026, what was the principal focus of the programme?

- Ans**
- ☐ A. Expansion from apprenticeship training to advanced manufacturing certification pathways
 - ☒ B. Transition from foundational AI awareness to industry-oriented skill certification pathways
 - ☐ C. Shift from digital learning modules to institution-based vocational training pathways
 - ☐ D. Replacement of credit-based learning with sector-specific certification pathways

Q.97 Which of the following initiatives by the Ministry of New and Renewable Energy was highlighted as a key milestone in India's transition to clean energy during the International Sun Day event in May 2026?

- Ans**
- ☐ A. Green India Mission
 - ☐ B. National Hydrogen Mission
 - ☐ C. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan
 - ☒ D. PM Surya Ghar: Muft Bijli Yojana

Q.98 According to the new Solid Waste Management Rules, 2026, notified by the Government of India, which principle has been specifically incorporated to ensure that polluters bear the financial burden of improper waste disposal?

- Ans**
- ☒ A. Absolute Liability Principle
 - ☒ B. Polluter Pays Principle
 - ☒ C. Sustainable Development Principle
 - ☒ D. Precautionary Principle

Q.99 Which tennis star was named the Laureus World Sportsman of the Year at the prestigious 26th Laureus World Sports Awards held in Madrid in April 2026?

- Ans**
- ☒ A. Rafael Nadal
 - ☒ B. Jannik Sinner
 - ☒ C. Carlos Alcaraz
 - ☒ D. Novak Djokovic

Q.100 What is the name of India's first 300-km universal rocket system inaugurated by Defence Minister Rajnath Singh in May 2026 at Shirdi?

- Ans**
- ☒ A. Suryastra
 - ☒ B. Brahmastra
 - ☒ C. Shivastra
 - ☒ D. Bhimastra



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Digimetrics
Test Date	09/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 J.J. Thomson's experimental model proposes the:

- Ans
- ☐ A. Discovery of nucleus
 - ☐ B. Discovery of neutrons
 - ☒ C. Discovery of electrons
 - ☐ D. Discovery of protons

Q.2 In a food chain: Grass → Grasshopper → Frog → Snake → Eagle, the accumulation of DDT will be highest in _____.

- Ans
- ☒ A. Eagle
 - ☐ B. Grasshopper
 - ☐ C. Grass
 - ☐ D. Frog

Q.3 Which action taken by us can directly reduce biological magnification?

- Ans
- ☒ A. Reducing the use of chemical pesticides on crops
 - ☐ B. Eating meat rather than food grains
 - ☐ C. Washing the food grains thoroughly before use
 - ☐ D. Burning crop residues after harvesting

Q.4 The numerical value of an object's potential energy is measured in which SI unit?

- Ans
- ☒ A. Joule (J)
 - ☐ B. Pascal (Pa)
 - ☐ C. Newton (N)
 - ☐ D. Watt (W)

Q.5 A patient suffers from repeated skin infections after severe damage to the outer body covering. Which tissue has most likely been affected?

- Ans
- ☐ A. Connective tissue
 - ☐ B. Nervous tissue
 - ☐ C. Muscular tissue
 - ☒ D. Epithelial tissue

Q.6 What does the displacement vector represent in two-dimensional motion?

- Ans**
- ☒ A. The change in position from the initial point to the final point
 - ☐ B. The path followed by the object
 - ☐ C. The distance traveled along the path
 - ☐ D. The average speed of the object

Q.7 Which statement correctly explains the term atomicity with reference to molecules of elements?

- Ans**
- ☐ A. It is the number of electrons in an element
 - ☒ B. It is the number of atoms present in one molecule
 - ☐ C. It is the number of shells present in an atom
 - ☐ D. It is the total mass of atoms present in one molecule

Q.8 Which common feature of hydrochloric acid and sodium hydroxide solutions explains both their ability to change the pH of water and to conduct electricity?

- Ans**
- ☐ A. Both have a pH less than 7.
 - ☐ B. Both turn blue litmus red.
 - ☒ C. Both produce ions in aqueous solution.
 - ☐ D. Both have a sour taste.

Q.9 Which of the following physical properties is true for metals?

- Ans**
- ☒ A. Metals are lustrous and good conductors of electricity
 - ☐ B. Metals are brittle and break easily
 - ☐ C. Metals are poor conductors of heat
 - ☐ D. Metals are solid at room temperature

Q.10 A roller coaster car is at the highest point of its track and is about to descend. If the mass of the car and its passengers is doubled while keeping the height and gravity constant, how does the gravitational potential energy at the top compare to the original scenario?

- Ans**
- ☒ A. The gravitational potential energy is doubled
 - ☐ B. The gravitational potential energy is halved
 - ☐ C. The gravitational potential energy is unchanged
 - ☐ D. The gravitational potential energy is quadrupled

Q.11 Why is soap less effective in hard water?

- Ans**
- ☐ A. Soap becomes acidic
 - ☐ B. Soap loses polarity
 - ☒ C. Soap forms insoluble scum
 - ☐ D. Soap evaporates quickly

Q.12 A diamond has an absolute refractive index of 2.42. If the speed of light in vacuum is 3×10^8 m/s, which value best estimates the speed of light in diamond?

- Ans**
- ☐ A. 2×10^8 m/s
 - ☐ B. 1.5×10^8 m/s
 - ☒ C. 1.24×10^8 m/s
 - ☐ D. 1×10^8 m/s

Q.13 According to Bohr's model of an atom, which of the following statements is **INCORRECT** about discrete orbitals of electrons?

- Ans**
- ☐ A. discrete orbits of electrons are certain special orbits that are allowed inside the atom
 - ☐ B. while revolving in discrete orbits, the electrons do not radiate energy
 - ☒ C. while revolving in discrete orbits, the electrons radiate energy exponentially
 - ☐ D. discrete orbits are also called as energy levels

Q.14 What is the primary mechanism by which sucrose moves into phloem tissue in plants?

- Ans**
- ☒ A. Active transport with energy from ATP
 - ☐ B. Osmosis through a semi-permeable membrane
 - ☐ C. Facilitated diffusion via carrier proteins
 - ☐ D. Simple diffusion along the gradient

Q.15 A science student is asked to explain why the Indian landscape supports high biodiversity. Which explanation best integrates the concepts of habitat diversity and endemism?

- Ans**
- ☐ A. Exclusive agriculture increases species variety
 - ☒ B. Varied habitats create conditions for many endemic species
 - ☐ C. Focusing only on deserts enhances diversity
 - ☐ D. Single climate promotes species uniformity

Q.16 If two resistors of $4\ \Omega$ and $6\ \Omega$ are connected in parallel, the equivalent resistance will be:

- Ans**
- ☐ A. Equal to $10\ \Omega$
 - ☐ B. Between $4\ \Omega$ and $6\ \Omega$
 - ☐ C. Greater than $6\ \Omega$
 - ☒ D. Less than $4\ \Omega$

Q.17 A medical laboratory detects bacteria in a patient's sample. According to the historical development of classification systems, in which kingdom would bacteria have been placed immediately after the three kingdom system was introduced?

- Ans**
- ☒ A. Protista
 - ☐ B. Monera
 - ☐ C. Animalia
 - ☐ D. Plantae

Q.18 A convex lens forms a real image 30 cm from its optical centre. The object is placed 20 cm away from the lens. Using the sign convention, what is the correct sign and value for the focal length of the lens?

- Ans**
- ☐ A. -60 cm
 - ☐ B. -12 cm
 - ☐ C. +60 cm
 - ☒ D. +12 cm

Q.19 What forms the compressions and rarefactions in a sound wave traveling through air?

- Ans**
- ☒ A. Particles in the air bunch together and spread apart alternately
 - ☐ B. Particles in the air move in a spiral pattern as the wave passes
 - ☐ C. Particles in the air permanently collide and stick together
 - ☐ D. Particles in the air maintain equal spacing at all times

Q.20 What fundamental change distinguishes a decomposition reaction from other types of chemical reactions?

- Ans
- ☐ A. One element replaces another element
 - ☐ B. Two substances combine to form one
 - ☒ C. One compound breaks into simpler substances
 - ☐ D. Ions exchange places in solution

Q.21 What is the main purpose of having different chambers in the human heart?

- Ans
- ☐ A. To provide storage for excess blood during periods of rest
 - ☐ B. To pump blood exclusively toward the lungs for gaseous exchange
 - ☒ C. To prevent mixing of oxygen-rich and carbon dioxide-rich blood
 - ☐ D. To maintain the steady blood pressure throughout the systemic veins

Q.22 If the mass of a body is doubled and acceleration remains constant, the force will:

- Ans
- ☒ A. Become double
 - ☐ B. Remain the same
 - ☐ C. Become half
 - ☐ D. Become four times

Q.23 Identify the FALSE statement related to the nervous tissue.

- Ans
- ☐ A. An axon is a single, long section of nervous tissue.
 - ☐ B. Nerve impulses are signals that are transmitted along nerve fibres.
 - ☒ C. The cells of nervous tissue are referred to as nephrons.
 - ☐ D. Nervous tissue includes the spinal cord.

Q.24 For the compound $\text{CH}_3\text{-CH}_2\text{-CHO}$, what is its correct IUPAC name?

- Ans
- ☐ A. Propanoic acid
 - ☐ B. Propanone
 - ☒ C. Propanal
 - ☐ D. Propanol

Q.25 A student wants to design a device that maximizes heat production for a given battery and time. Which configuration should the student choose?

- Ans
- ☐ A. Add more batteries without changing resistance
 - ☒ B. Use a resistor with very low resistance value
 - ☐ C. Use a resistor with the highest possible resistance value
 - ☐ D. Short-circuit the battery with zero resistance

Section : Mathematics

Q.26 Three metal cubes with edges 3 cm, 4 cm, and 5 cm, respectively, are melted to form a single large cube. This new cube is then cut into two identical cuboids by a plane parallel to one of its faces. What is the ratio of the total surface area of the three original cubes to the total surface area of the two new cuboids?

- Ans
- ☐ A. 50 : 49
 - ☐ B. 5 : 4
 - ☒ C. 25 : 24
 - ☐ D. 24 : 25

Q.27 What is the percentage increase in the population of a town that increases from 70,000 to 71,435 in a year?

- Ans**
- ☐ A. 2.25%
 - ☐ B. 2.15%
 - ☒ C. 2.05%
 - ☐ D. 2.0%

Q.28 A container contains 26 litres of milk. From this container, 13 litres of milk was taken out and replaced by water. The process was further repeated one time. How much milk is now there in the container?

- Ans**
- ☐ A. 3.5 litres
 - ☐ B. 5.5 litres
 - ☒ C. 6.5 litres
 - ☐ D. 4.5 litres

Q.29 The HCF and LCM of two numbers are 16 and 96, respectively. If one of the numbers is 48, then the other number is:

- Ans**
- ☐ A. 30
 - ☐ B. 28
 - ☒ C. 32
 - ☐ D. 34

Q.30 A building stands on level ground and a vertical flagstaff is fixed at the top of the building. From a point on the ground that is 30 m away from the foot of the building, the angle of elevation of the top of the building is 30° , while the angle of elevation of the top of the flagstaff is 60° . Find the height (in m) of the flagstaff.

- Ans**
- ☐ A. $60\sqrt{3}$
 - ☐ B. $40\sqrt{3}$
 - ☒ C. $20\sqrt{3}$
 - ☐ D. $\frac{40}{\sqrt{3}}$

Q.31 A train, 320 m in length, running at a speed of 62 km/hr takes 16 seconds to cross another train running at a speed of 46 km/hr in the opposite direction on parallel lines. Find the length (in m) of the second train.

- Ans**
- ☒ A. 160
 - ☐ B. 180
 - ☐ C. 220
 - ☐ D. 200

Q.32 Find the compound interest on ₹81,250 in one and half years at 8% per annum, the interest being compounded half-yearly.

- Ans**
- ☐ A. ₹10,345.40
 - ☐ B. ₹10,245.30
 - ☒ C. ₹10,145.20
 - ☐ D. ₹10,045.10

Q.33 Find the value of x if 1.2, 1.8, 2.7 and x are in proportion.

- Ans**
- ☐ A. 4.55
 - ☐ B. 3.55
 - ☐ C. 3.05
 - ☒ D. 4.05

Q.34 Eight years hence, Rajeev's age will be twice the age of Sumit. Four years ago, he was six times as old as Sumit. Find Sumit's age 10 years from now.

- Ans** ☒ A. 17 years
☐ B. 21 years
☐ C. 19 years
☐ D. 16 years

Q.35 A sum of money amounts to ₹56,000 in 5 years at 20% simple interest per annum. The sum (in ₹) is:

- Ans** ☐ A. 31,000
☐ B. 25,000
☐ C. 35,000
☒ D. 28,000

Q.36 The given bar graph data shows the number of books sold by a store in different months. What is the increase in the number of books sold from January to May?



- Ans** ☐ A. 130
☐ B. 140
☐ C. 125
☒ D. 120

Q.37 AA' and BB' are two parallel straight lines. CC' is a transversal line in If $\angle B'EC' = 127^\circ$ and $\angle CDA' = (7x - 3)^\circ$, then what is the value of x ?

- Ans** ☐ A. 6
☒ B. 8
☐ C. 7
☐ D. 5

Q.38 Find the HCF of 6, 33, 42, 114, 210.

- Ans** ☐ A. 7
☒ B. 3
☐ C. 2
☐ D. 1

Q.39 A car moving at a uniform speed covers a certain distance in 5 hours. If the speed had been 10 km/hr more, it would have taken 1 hour less. Find the actual speed of the car.

- Ans** ☒ A. 37 km/hr
☒ B. 42 km/hr
☒ C. 40 km/hr
☒ D. 45 km/hr

Q.40 Pravin has ₹1,701, which he divides between his two sons, Rishi and Shan. He asks them to invest their respective shares at a compound interest rate of 10% per annum, compounded annually. It is observed that Rishi's investment after 17 years equals Shan's investment after 18 years. Find the amount (in ₹) that Pravin gave to Rishi.

- Ans** ☒ A. 891
☒ B. 910
☒ C. 810
☒ D. 741

Q.41 The marks obtained by 30 students of tenth class in a school in mathematics paper consisting of 100 marks are presented in the following table. Find the arithmetic mean of the data.

Class interval	No. of students
10 - 25	2
25 - 40	3
40 - 55	7
55 - 70	6
70 - 85	6
85 - 100	6

- Ans** ☒ A. 62
☒ B. 65
☒ C. 72
☒ D. 76

Q.42 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 13% and 60%, shop II allows successive discounts of 56% and 12%, shop III allows successive discounts of 60% and 28% and shop IV allows successive discounts of 33%, 16%, and 89% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. IV
☒ B. I
☒ C. II
☒ D. III

Q.43 If $\cot A = \frac{P}{Q}$ and A is an acute angle, find the value of $\frac{1}{2}(P \sec A + Q$

- Ans** ☒ A. $\frac{(P^2 + Q^2)}{2}$
☒ B. $\sqrt{(P^2 + Q^2)}$
☒ C. $2(P^2 + Q^2)$
☒ D. $(P^2 + Q^2)$

Q.44 A store raises the price of a jacket from ₹1,200 to ₹1,440, then offers a discount that reduces the price to ₹1,296. What is the overall percentage change from the original price to the final price?

- Ans** ☒ A. 8% increase
☒ B. 10% increase
☒ C. 8% decrease
☒ D. 10% decrease

Q.45 Arvind bought an article for ₹x. He sold it to Biru at a loss of 5%. Biru spent ₹152 on its transportation and sold it to Minu at a profit of 56%. If Minu bought it for ₹1,482, then what is the value of x?

- Ans** ☒ A. 860
☒ B. 820
☒ C. 840
☒ D. 880

Q.46 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 18 hours and pipe C can fill the same tank in 9 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

- Ans** ☒ A. 3
☒ B. 4
☒ C. 2
☒ D. 1

Q.47 Given that $39^{0.66} = x$, $39^{0.23} = y$ and $x^z = y^2$, then the value of z is close to:

- Ans** ☒ A. 0.64
☒ B. 0.69
☒ C. 1.62
☒ D. 0.12

Q.48 What is the value of $(5x + 3y)$, if the mean of the following distribution is 66?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	7	20	x	8	y	85

- Ans** ☒ A. 141
☒ B. 159
☒ C. 156
☒ D. 166

Q.49 The length and breadth of a cuboid are equal and its height is 32 cm. If the volume of the cuboid is 2048 cm^3 , the surface area (in cm^2) of the cuboid is:

- Ans** ☒ A. 1296
☒ B. 1152
☒ C. 1225
☒ D. 1024

Q.50 If 15, 45, 24 are the first three terms of a proportion, find the fourth term.

- Ans** ☒ A. 68
☒ B. 75
☒ C. 72
☒ D. 74

Q.51 A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
Only two people live between P and S. Only G lives above H. Y lives on an even numbered floor. P lives on the lowermost floor.
How many people live between A and G?

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

Q.52 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) P C ? J 8 * \ & / W ? 3 6 R M G V R 4 T M Z J S (Right)

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

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

Q.53 What should come in place of the question mark (?) in the given series?

141 118 96 75 55 ?

- Ans**
- ☐ A. 43
 - ☐ B. 32
 - ☒ C. 36
 - ☐ D. 46

Q.54 Seven people, D, H, J, L, S, T and Y, are sitting in a row, facing the north.
Only two people sit between S and J. Only L sits to the right of H. Only one person sits between J and H. D sits at some place to the right of T but at some place to the left of Y.
How many people sit to the left of H?

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

Q.55 If $\times$ means $-$, $\div$ means $\times$, $+$ means $\div$ and $-$ means $+$, then what will come in place of the question mark (?) in the following equation?

$2 \div 6 \times 15 + 3 - 5 = ?$

- Ans**
- ☒ A. 12
 - ☐ B. 14
 - ☐ C. 15
 - ☐ D. 13

Q.56 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and I. Only K is kept above R. Only four boxes are kept between R and I. Q is kept at some place below S but at some place above T.
Which box is kept second above T?

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

Q.57 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the shortest?

(I) T is taller than only two Sticks. S is taller than T but shorter than N
(II) U is taller than R

- Ans**
- ☐ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☐ C. Both statements I and II together are NOT sufficient to answer the question
 - ☐ D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q.58 This question is based on the following words.

FON MEN OPS PVT

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.59 TQ 13 is related to YV 6 in a certain way. In the same way, LI 18 is related to QN 11. To which of the following is NK 22 related to following the same logic?

- Ans**
- ☐ A. SQ 15
 - ☒ B. SP 15
 - ☐ C. TQ 13
 - ☐ D. QN 18

Q.60 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) H R I F K R L L J W K L G O Q G Q X M P U (Right)

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

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

Q.61 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?
 $26 - 6 \div 34 + 40 \times 8 = ?$

- Ans** ☒ A. 195
☒ B. 135
☒ C. 185
☒ D. 155

Q.62 Each letter in the word CONCEPT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter-cluster thus formed?

- Ans** ☒ A. 3
☒ B. 0
☒ C. 2
☒ D. 1

Q.63 S, T, U, V, Y and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
Only T lives above S. Y lives immediately below S. Only U lives below Z.
Who lives on floor number 3?

- Ans** ☒ A. U
☒ B. V
☒ C. S
☒ D. Z

Q.64 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: TNQ :: SMP : %

- Ans** ☒ A. # = QUI, % = BVS
☒ B. # = QQN, % = VPP
☒ C. # = ION, % = VDF
☒ D. # = QKN, % = VPS

Q.65 This question is based on the following words.

BAS HIS JEM BOL

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.66 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RSU :: HIK : %

- Ans**
- ☐ A. # = NOQ , % = LKO
 - ☐ B. # = NOQ , % = LUO
 - ☒ C. # = NOQ , % = LMO
 - ☐ D. # = NOQ , % = LSD

Q.67 In a certain code language "DPKA" is coded as "44" and "QZGK" is coded as "73". What is the code for "RZOI" in the given language?

- Ans**
- ☐ A. 69
 - ☐ B. 88
 - ☒ C. 80
 - ☐ D. 71

Q.68 What should come in place of ? in the given series based on the English alphabetical order?
MTX LSW KRV JQU ?

- Ans**
- ☐ A. HPT
 - ☐ B. HOS
 - ☐ C. IOV
 - ☒ D. IPT

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 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. TPL
 - ☐ B. LHD
 - ☒ C. HEZ
 - ☐ D. EAW

Q.70 Priyanshu starts from Point A and drives 17 km towards the south. He then takes a right turn, drives 12 km, turns right and drives 24 km. He then takes a right turn and drives 19 km. He takes a final right 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-degree turns only unless specified.)

- Ans**
- ☐ A. 7 km to the east
 - ☐ B. 9 km to the west
 - ☒ C. 7 km to the west
 - ☐ D. 9 km to the east

Q.71 Each vowel in the word COLLEGE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

- Ans**
- ☐ A. B
 - ☐ B. P
 - ☐ C. F
 - ☒ D. K

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 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 – FG
 - ☒ B. EF – IM
 - ☒ C. VW – AB
 - ☒ D. RS – WX

Q.73 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 S related to N if 'S + E – W × T ÷ N'?

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

Q.74 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.
Only three people sit between K and Q. Only two people sit between K and R when counted from the right of K. Only two people sit between R and J. Z sits to the immediate left of I.
Who sits fourth to the left of P?

- Ans
- ☒ A. R
 - ☒ B. K
 - ☒ C. Z
 - ☒ D. I

Q.75 21 is related to 86 following a certain logic. Following the same logic, 29 is related to 118. To which of the following is 33 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- ☒ A. 132
 - ☒ B. 134
 - ☒ C. 136
 - ☒ D. 130

Q.76 If + means –, – means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$1125 - 5 \div 314 + 224 \times 4 = ?$$

- Ans
- ☒ A. 5183
 - ☒ B. 5533
 - ☒ C. 5883
 - ☒ D. 5381

Q.77 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 Yk related to Eq if 'Eq - Vc + Tg # Yk % Np'?

- Ans**
- ☐ A. Sister's daughter
 - ☐ B. Wife's brother
 - ☒ C. Sister's husband
 - ☐ D. Mother's brother

Q.78 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

101 - 90

43 - 32

- Ans**
- ☐ A. 65 - 55
 - ☐ B. 47 - 37
 - ☐ C. 99 - 89
 - ☒ D. 82 - 71

Q.79 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 fishes are whales. No whale is an octopus.

Conclusion (I) : Some fishes are octopuses

Conclusion (II) : Some whales are fishes

- 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.80 Refer to the given 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 @ % & 2 7 & 4 Ω 3 & 8 1 % 6 * 9 # £ (Right)

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

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

Q.81 Which country's Badminton duo did Satwiksairaj Rankireddy and Chirag Shetty of India defeat and won the Singapore Open 2026 men's doubles title?

- Ans**
- ✓ A. Indonesia
 - ✗ B. China
 - ✗ C. Malaysia
 - ✗ D. Japan

Q.82 Ministry of Education, government of India, launched PMRC scheme in June 2026 to attract Indian-origin researchers, scientists, and innovators from across the world. What is the full form of PMRC?

- Ans**
- ✗ A. Prime Minister Research Channel
 - ✗ B. Prime Minister Research Conference
 - ✗ C. Prime Minister Research Center
 - ✓ D. Prime Minister Research Chair

Q.83 In which of the following cities was DEF-TECH Bharat 2026 organized in May 2026?

- Ans**
- ✗ A. Hyderabad
 - ✓ B. Bengaluru
 - ✗ C. Pune
 - ✗ D. Chennai

Q.84 From March 8 to March 13, 2026, which country hosted the World Para Athletics Grand Prix 2026?

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

Q.85 Which of the following bills was introduced in the Rajya Sabha during the 2026 Budget Session?

- Ans**
- ✗ A. The Corporate Laws (Amendment) Bill, 2026
 - ✗ B. The Foreign Contribution (Regulation) Amendment Bill, 2026
 - ✓ C. The Central Armed Police Forces (General Administration) Bill, 2026
 - ✗ D. The Industrial Relations Code (Amendment) Bill, 2026

Q.86 Which scheme announced in the Union Budget 2026-27 was specifically aimed at creating globally competitive industrial ecosystems?

- Ans**
- ✗ A. National Logistics Competitiveness Programme
 - ✗ B. Integrated Freight Infrastructure Mission
 - ✗ C. Bharat Export Connectivity Initiative
 - ✓ D. Container Manufacturing Scheme

Q.87 Which edition of the India-Australia joint military exercise "AUSTRALIND" was conducted at Perth, Australia, in October 2025?

- Ans**
- ✗ A. Second edition
 - ✗ B. Third edition
 - ✓ C. Fourth edition
 - ✗ D. Fifth edition

Q.88 According to the NITI Aayog study titled "Scenarios Towards Viksit Bharat and Net Zero", India aims to achieve Net Zero greenhouse gas emissions by what target year?

- Ans
- ☐ A. 2050
 - ☐ B. 2060
 - ☐ C. 2047
 - ☒ D. 2070

Q.89 According to the Union Budget 2026–27, the newly proposed "Khelo India Mission" aims to transform India's sports ecosystem over what period of time?

- Ans
- ☐ A. Next seven years
 - ☐ B. Next fifteen years
 - ☒ C. Next ten years
 - ☐ D. Next five years

Q.90 Which of the following bird sanctuaries was added to the Ramsar sites list in April 2026?

- Ans
- ☒ A. Shekha Jheel Bird Sanctuary
 - ☐ B. Nandur Madhmeshwar Bird Sanctuary
 - ☐ C. Bhitarkanika Bird Sanctuary
 - ☐ D. Vedanthangal Bird Sanctuary

Q.91 What was the name of the nationwide initiative under which the Ministry of Women and Child Development conducted a 100-Day Campaign from November 27, 2025 to March 8, 2026?

- Ans
- ☐ A. POSHAN Abhiyaan
 - ☐ B. Mission Shakti
 - ☒ C. Bal Vivah Mukh Bharat
 - ☐ D. Beti Bachao Beti Padhao

Q.92 Which country topped the medal table at the 2026 Winter Olympics held in Milan and Cortina d'Ampezzo, Italy (February 6–22)?

- Ans
- ☐ A. Italy
 - ☐ B. United States
 - ☐ C. Germany
 - ☒ D. Norway

Q.93 SCORP, the legged mobile manipulator developed by xTerra Robotics, was incubated at which academic institution in 2026?

- Ans
- ☐ A. IIT Roorkee
 - ☐ B. IIT Madras
 - ☐ C. IIT Delhi
 - ☒ D. IIT Kanpur

Q.94 Which actor was conferred with Padma Bhushan award in the field of art in the year 2026?

- Ans
- ☐ A. Pawan Kalyan
 - ☐ B. Joseph Vijay
 - ☐ C. Govinda
 - ☒ D. Mammootty

Q.95 Under which scheme did the Ministry of Minority Affairs sign a Memorandum of Understanding with IIT Patna in April, 2026, to provide training in Artificial Intelligence and Business Analytics to minority youth from Bihar?

- Ans**
- ✓ A. PM VIKAS Scheme
 - ✗ B. PMJVK Scheme
 - ✗ C. Nai Manzil Scheme
 - ✗ D. Seekho Aur Kamao Scheme

Q.96 In February 2026, the India AI Impact Summit emphasized making every citizen "AI-ready". What was the main objective of this initiative?

- Ans**
- ✗ A. Increasing dependence on imported software
 - ✗ B. Restricting internet services in rural areas
 - ✗ C. Replacing communication networks with satellites
 - ✓ D. Promoting digital skills and technology access

Q.97 Which country topped the World Happiness Report 2026 (released in March 2026)?

- Ans**
- ✗ A. Denmark
 - ✗ B. Switzerland
 - ✓ C. Finland
 - ✗ D. Netherlands

Q.98 The 2026 Asian Beach Games (in April 2026) were held in which Chinese city?

- Ans**
- ✓ A. Sanya
 - ✗ B. Shenzhen
 - ✗ C. Qingdao
 - ✗ D. Haikou

Q.99 Ms. N Rajam, honoured with the Padma Vibhushan in May 2026, was awarded in which of the following categories?

- Ans**
- ✗ A. Medicine
 - ✓ B. Art
 - ✗ C. Sports
 - ✗ D. Literature

Q.100 Who was the head of the 16th Finance Commission, whose report was tabled in Parliament in February 2026?

- Ans**
- ✗ A. Ashok Lahiri
 - ✓ B. Arvind Panagariya
 - ✗ C. Montek Singh Ahluwalia
 - ✗ D. Sanjay Malhotra



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Harmony Educational Academy Latur
Test Date	09/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Marine organisms like phytoplankton use dissolved CO_2 in ocean water for the process of _____.

- Ans**
- ☐ A. Combustion
 - ☐ B. Respiration
 - ☐ C. Decomposition
 - ☒ D. Photosynthesis

Q.2 Which of the following statements best describes why visible movement alone cannot define whether a plant is alive?

- Ans**
- ☒ A. Plants may be alive even without visible growth or movement.
 - ☐ B. Only animals can be alive without visible movement.
 - ☐ C. All living things must show visible movement to be alive.
 - ☐ D. Visible movement is always present in living organisms.

Q.3 A convex mirror has a radius of curvature of 50 cm. A parallel beam of light strikes the mirror. At what distance from the pole does the reflected beam appear to diverge?

- Ans**
- ☐ A. 50 cm in front of the mirror
 - ☐ B. 25 cm in front of the mirror
 - ☐ C. 10 cm behind the mirror
 - ☒ D. 25 cm behind the mirror

Q.4 Which statement best describes the difference between path length and displacement for an object moving in a straight line and returning to its starting point?

- Ans**
- ☐ A. Displacement is greater than path length
 - ☐ B. Path length is always equal to displacement
 - ☐ C. Displacement is always negative
 - ☒ D. Path length is either equal to or greater than displacement

Q.5 Epithelial tissue is separated from the underlying tissue by a fibrous extracellular layer known as:

- Ans**
- ☒ A. Basement membrane
 - ☐ B. Connective matrix
 - ☐ C. Cytoplasm
 - ☐ D. Cell wall

Q.6 Which quantity does linear velocity describe in the context of motion?

- Ans**
- ☐ A. The total distance covered in all directions
 - ☐ B. The amount of force applied
 - ☐ C. The direction of motion only
 - ☒ D. The rate of change of position along a straight path

Q.7 Which of the following statements correctly explains why saturated hydrocarbons burn with a blue flame, while unsaturated hydrocarbons tend to burn with a yellow, sooty flame?

- Ans**
- ☐ A. Unsaturated hydrocarbons contain more oxygen, which leads to incomplete combustion.
 - ☐ B. Saturated hydrocarbons react with nitrogen in the air to prevent soot formation.
 - ☒ C. Unsaturated hydrocarbons have a higher carbon-to-hydrogen ratio, leading to incomplete combustion and soot formation.
 - ☐ D. Saturated hydrocarbons have weaker bonds, so they burn more completely.

Q.8 Consider the following statements about simple machines.

1. Help lift heavy loads.
2. Can increase the distance through which effort acts.
3. May change the direction of force.
4. Violate the law of conservation of energy.

Which of the above statements are correct?

- Ans**
- ☐ A. 1, 2, 3 and 4
 - ☐ B. 1 and 4 only
 - ☐ C. 2 and 3 only
 - ☒ D. 1, 2 and 3 only

Q.9 What are the names of the closely spaced filtration units in each kidney?

- Ans**
- ☐ A. Tubules
 - ☐ B. Neurons
 - ☒ C. Nephrons
 - ☐ D. Glomerulus

Q.10 A packet of potato chips is filled with nitrogen gas before sealing. What is the main reason for using nitrogen in the packet?

- Ans**
- ☐ A. Nitrogen increases the crispness of chips
 - ☒ B. Nitrogen prevents oxidation of oils and fats
 - ☐ C. Nitrogen removes moisture from chips
 - ☐ D. Nitrogen reacts with oil to stabilize it

Q.11 Salts of a strong acid and a strong base are generally:

- Ans**
- ☒ A. neutral
 - ☐ B. acidic
 - ☐ C. amphoteric
 - ☐ D. basic

Q.12 If two objects have the same velocity, which one will have more kinetic energy?

- Ans**
- ☐ A. The one with larger size
 - ☒ B. The one with greater mass
 - ☐ C. The one with brighter color
 - ☐ D. The one with a different shape

Q.13 The cells of the cartilage are known as _____.

- Ans**
- ☐ A. Osteocytes
 - ☒ B. Chondrocytes
 - ☐ C. Fibroblasts
 - ☐ D. Adipocytes

Q.14 Which of the following conditions accelerate the corrosion of metals the most?

- Ans**
- ☐ A. Pure water and sunlight
 - ☐ B. Dry air and low temperature
 - ☒ C. Moist air and presence of salts or acids
 - ☐ D. Vacuum and darkness

Q.15 A heater is rated at 220 V and 1000 W. If it is connected to a 110 V supply, what will be the power consumed by the heater?

- Ans**
- ☒ A. 250 W
 - ☐ B. 500 W
 - ☐ C. 1000 W
 - ☐ D. 200 W

Q.16 Which of the following sequence **CORRECTLY** represents the movement of water in nature?

- Ans**
- ☒ A. Evaporation → Condensation → Precipitation
 - ☐ B. Precipitation → Runoff → Evaporation
 - ☐ C. Condensation → Precipitation → Evaporation
 - ☐ D. Evaporation → Precipitation → Condensation

Q.17 Which of the following does not exist as a diatomic molecule?

- Ans**
- ☒ A. Sulphur
 - ☐ B. Hydrogen
 - ☐ C. Nitrogen
 - ☐ D. Chlorine

Q.18 Which hormone controls the blood sugar level in the body?

- Ans**
- ☒ A. Insulin
 - ☐ B. Thyroid hormone
 - ☐ C. Adrenaline
 - ☐ D. Growth hormone

Q.19 A lens forms an image three times larger than the object. If the image is erect, what is the magnification?

- Ans**
- ☐ A. -0.33
 - ☐ B. + 0.33
 - ☐ C. -3
 - ☒ D. + 3

Q.20 Read the following two statements carefully and choose the correct option:
Statement I: Ethanol on oxidation with alkaline potassium permanganate gives ethanoic acid.
Statement II: Oxidation of ethanol involves the removal of hydrogen atoms and addition of oxygen.
Which of the following is correct?

- Ans**
- ☒ A. Both statements are correct, but Statement II does not explain Statement I.
 - ☒ B. Both statements are correct, and Statement II explains Statement I.
 - ☒ C. Only statement II is correct.
 - ☒ D. Only statement I is correct.

Q.21 If a sound wave has a wavelength of 0.5 m and travels at 250 m/s, what is its frequency?

- Ans**
- ☒ A. 250 Hz
 - ☒ B. 125 Hz
 - ☒ C. 1000 Hz
 - ☒ D. 500 Hz

Q.22 Which statement best describes the application of the Right Hand Thumb Rule to a straight current-carrying conductor?

- Ans**
- ☒ A. Thumb points in magnetic field direction, fingers curl in current direction
 - ☒ B. Thumb points in current direction, fingers curl in magnetic field direction
 - ☒ C. Fingers point in current direction, thumb curls in magnetic field direction
 - ☒ D. Left hand is used for current, right for magnetic field

Q.23 A student is asked to calculate the formula unit mass of barium nitrate ($\text{Ba}(\text{NO}_3)_2$). What should be the student's first step ?

- Ans**
- ☒ A. Find the elements in the formula.
 - ☒ B. Find the molecular mass of nitrate only
 - ☒ C. Find the atomic mass of barium only
 - ☒ D. Find the atomic number of barium

Q.24 Which of the following CANNOT be separated by ordinary filtration?

- Ans**
- ☒ A. Suspension
 - ☒ B. Mixture of sand and water
 - ☒ C. True solution
 - ☒ D. Colloidal solution

Q.25 Which organelle is primarily responsible for aerobic respiration in animal cells?

- Ans**
- ☒ A. Ribosome
 - ☒ B. Mitochondria
 - ☒ C. Endoplasmic reticulum
 - ☒ D. Nucleus

Section : Mathematics

Q.26 Find the simple interest (in ₹) on a sum of ₹500 borrowed for 3.5 years at a rate of interest of 16% per annum.

- Ans**
- ☒ A. 280
 - ☒ B. 330
 - ☒ C. 380
 - ☒ D. 260

Q.27 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. decrease by ₹1,085
 - ☐ B. decrease by ₹1,089
 - ☐ C. increase by ₹1,088
 - ☒ D. increase by ₹1,086

Q.28 Two numbers are in the ratio 4:7. If the larger number is decreased by 10 and the smaller number is increased by 10, the numbers become equal. What is the original larger number?

- Ans**
- ☒ A. $46\frac{2}{3}$
 - ☐ B. $42\frac{1}{3}$
 - ☐ C. $48\frac{3}{5}$
 - ☐ D. $44\frac{2}{5}$

Q.29 A and B together can complete a work in 2 days. If A works for 1 day and B works for 4 days, the work is completed. How long would B alone take to complete the work?

- Ans**
- ☒ A. 6 days
 - ☐ B. 4 days
 - ☐ C. 10 days
 - ☐ D. 8 days

Q.30 Find the smallest number that should be added to 97306 to make it divisible by 6.

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

Q.31 The product of two natural numbers is 1421. Their HCF is 7. Find the ratio of the LCM and HCF of the numbers.

- Ans**
- ☐ A. 27:1
 - ☒ B. 29:1
 - ☐ C. 29:7
 - ☐ D. 23:7

Q.32 Kaushal travelled for 12 hours 55 minutes at the speed of 24 km/h. At what speed (in km/h) should he travel to cover the same distance in 5 hours?

- Ans**
- ☒ A. 62
 - ☐ B. 60
 - ☐ C. 65
 - ☐ D. 61

Q.33 If the population of a city was 42,500 and it grew at a rate of 2% per annum compounded annually, what would the population be after 2 years?

- Ans**
- ☐ A. 41,616
 - ☐ B. 40,800
 - ☐ C. 40,400
 - ☒ D. 44,217

Q.34 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 23% and 92%, shop II allows successive discounts of 88% and 47%, shop III allows successive discounts of 11% and 28% and shop IV allows successive discounts of 63%, 76% and 86% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans
- ☐ A. III
 - ☐ B. I
 - ☐ C. II
 - ☒ D. IV

Q.35 A man travels from P to Q at v km/h and returns at $(v + 10)$ km/h. If the total time for the round trip is 9 hours and the distance between P and Q is 200 km, find v .

- Ans
- ☐ A. 35 km/h
 - ☒ B. 40 km/h
 - ☐ C. 30 km/h
 - ☐ D. 45 km/h

Q.36 Rohit, Pallavi, and Simran invest ₹56,800, ₹36,200 and ₹48,600 in a garment business. If the total profit at the end of the year is ₹5,60,028, find Rohit's share of profit.

- Ans
- ☒ A. ₹2,24,644
 - ☐ B. ₹2,24,800
 - ☐ C. ₹2,18,644
 - ☐ D. ₹2,24,500

Q.37 What is the value that must be assigned to A so that the 8-digit number 378A6070 is divisible by 18?

- Ans
- ☐ A. 8
 - ☐ B. 6
 - ☒ C. 5
 - ☐ D. 3

Q.38 In an election, Candidate A received 60% of the total votes while Candidate B received the remaining votes. If the total votes were 5,000, how many votes did Candidate B receive?

- Ans
- ☐ A. 3,000
 - ☒ B. 2,000
 - ☐ C. 2,400
 - ☐ D. 1,500

Q.39 Simplify: $(2x + 3y)(2x - 3y)$

- Ans
- ☐ A. $4x^2 + 6xy - 9y^2$
 - ☐ B. $4x^2 - 6xy - 9y^2$
 - ☐ C. $4x^2 + 9y^2$
 - ☒ D. $4x^2 - 9y^2$

Q.40 From a solid cube of side 24 cm, a cuboidal cavity of square cross-section of side 9 cm is hollowed along one surface from one edge to the opposite edge. What is the volume (in cm^3) of the remaining solid?

- Ans
- ☐ A. 13095
 - ☐ B. 12055
 - ☒ C. 11880
 - ☐ D. 8640

Q.41 The volume of a cube is equal to the volume of a cuboid whose length, breadth and height are in the ratio of 9:5:2. If the volume of the cube is $11,250 \text{ cm}^3$, find the total surface area of the cuboid.

- Ans**
- ☐ A. 3430 cm^2
 - ☐ B. 3780 cm^2
 - ☐ C. 3520 cm^2
 - ☒ D. 3650 cm^2

Q.42 A certain sum amounts to ₹31,944 at a compound interest rate of 15% per annum in 2 years, with interest compounded every 8 months. What will be the amount payable (in ₹) on the same sum at the same rate and for the same time, if the interest is compounded yearly?

- Ans**
- ☐ A. 32,113
 - ☒ B. 31,740
 - ☐ C. 33,001
 - ☐ D. 32,510

Q.43 Find the mode of the following data: 2, 4, 4, 6, 7, 8, 4, 6, 7, 4, 4, 5, 6

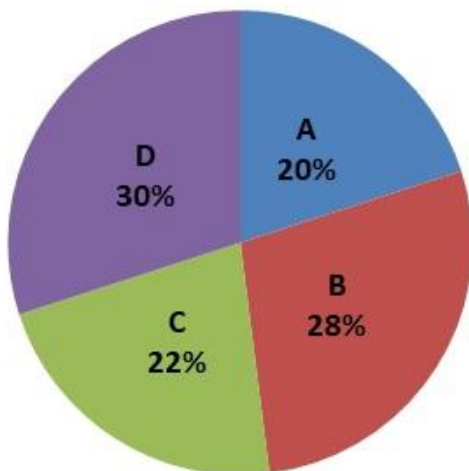
- Ans**
- ☐ A. 7
 - ☒ B. 4
 - ☐ C. 2
 - ☐ D. 6

Q.44 If $\sin A = \frac{3}{5}$, and A is an acute angle, then the value of $\cos A$ is:

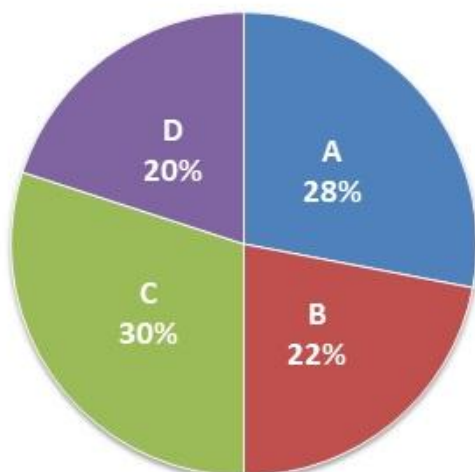
- Ans**
- ☐ A. $\frac{2}{5}$
 - ☐ B. 1
 - ☐ C. $\frac{1}{5}$
 - ☒ D. $\frac{4}{5}$

- Q.45 The given pie-charts show the population of villages A, B, C and D (in percentage) in year 2021 and 2022. Total population in 2021 and 2022 is 2,80,000 and 2,75,000 respectively.

Population in 2021



Population in 2022



Find the ratio between the total population in village B and C together in 2021 to the total population in village C and D in 2022.

- Ans
- ☒ A. 56:55
 - ☐ B. 11:9
 - ☐ C. 27:23
 - ☐ D. 43:41

- Q.46 The average age of 90 students in a class is 21 years. The average age of 30 of them is 23 years, and that of another 30 is 25 years. What is the average age of the remaining students?

- Ans
- ☐ A. 14 years
 - ☐ B. 17 years
 - ☐ C. 18 years
 - ☒ D. 15 years

Q.47 Arvind bought an article for ₹x. He sold it to Biru at a loss of 30%. Biru spent ₹130 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,287, then what is the value of x?

- Ans** ☒ A. 1,044
☒ B. 1,040
☒ C. 1,072
☒ D. 1,022

Q.48 What is the value of $(6x + 9y)$, if the mean of the following distribution is 54?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	2	18	x	6	y	70

- Ans** ☒ A. 311
☒ B. 301
☒ C. 313
☒ D. 309

Q.49 $\Delta ABC \sim \Delta PQR$ and $AB:PQ = 7:9$, then find the ratio of area of Δ



- Ans** ☒ A. 49:18
☒ B. 49:81
☒ C. 49:27
☒ D. 45:18

Q.50 A man standing at a point on level ground observes the top of a vertical tower at an angle of elevation of 30° . He then walks straight towards the tower and finds that the angle of elevation of the top becomes 60° . If the height of the tower is 45 m, find the distance walked by the man.

- Ans** ☒ A. $30\sqrt{3}$ m
☒ B. $60\sqrt{3}$ m
☒ C. 60 m
☒ D. 30 m

Section : General Intelligence and Reasoning

Q.51 This question is based on the given words.

(Left) ION APT ILK ASH (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.52 Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north. Only two people sit to the right of B. F sits to the immediate left of D. Only two people sit between B and D. C sits to the immediate right of A. G sits to the immediate left of E. E sits at one of the extreme ends of the row. Who is sitting third from the left end of the row?

- Ans** ☒ A. D
☒ B. A
☒ C. C
☒ D. F

Q.53 Refer to the following letter, symbol series and answer the question.

(Left) H W % G # W @ W A % F & H + M ? & D # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

- Ans** ☒ A. \$
☒ B. &
☒ C. +
☒ D. @

Q.54 In a certain code language, 'space is less' is coded as 'du vc kt' and 'less than ten' is coded as 'rg mq vc'. How is 'less' coded in that language? (All the codes are two-letter codes only.)

- Ans** ☒ A. rg
☒ B. vc
☒ C. kt
☒ D. du

Q.55 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the tallest?

- (I) N is taller than only one Stick. S is shorter than R but taller than U
(II) S is taller than T

- Ans** ☒ A. Both statements I and II together are NOT sufficient to answer the question
☒ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
☒ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☒ D. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

Q.56 If + means $\times$, - means $\div$, $\times$ means +, and $\div$ means -, then what will come in place of the question mark (?) in the following equation?

$$55 - 5 + 6 \times 2 \div 4 = ?$$

- Ans** ☒ A. 68
☒ B. 64
☒ C. 66
☒ D. 70

Q.57 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$2 \div 1 + 6 \times 3 - 2 = ?$$

- Ans**
- ☐ A. 8
 - ☐ B. 6
 - ☒ C. 2
 - ☐ D. 4

Q.58 In a certain code language
'A + B' means A is the wife of B,
'A - B' means A is the husband of B,
'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 mother of B and
'A * B' means A is the father of B.

How is C related to L if A - C x P ! L * Q?

- Ans**
- ☐ A. Daughter
 - ☐ B. Father
 - ☒ C. Mother
 - ☐ D. Son

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 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. YQ - SK
 - ☐ B. TL - NF
 - ☒ C. ME - HA
 - ☐ D. WO - QI

Q.60 What should come in place of the question mark (?) in the given series?

49 65 97 145 209 ?

- Ans**
- ☐ A. 279
 - ☐ B. 284
 - ☐ C. 294
 - ☒ D. 289

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.

QSR-VXW
PRQ-UWV

- Ans**
- ☐ A. BDC-FIG
 - ☐ B. BCA-GIH
 - ☒ C. BDC-GIH
 - ☐ D. BCA-FHG

Q.62 Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. R has an exam on one of the days after Thursday but not on Saturday. Only two people have an exam between R and Q. V has an exam immediately before Q. As many people have an exam before V as after U. P has an exam immediately before T. More than two people have an exam between T and S. Who has an exam on Tuesday?

- Ans**
- ☐ A. Q
 - ☐ B. V
 - ☒ C. T
 - ☐ D. P

Q.63 Gaurav starts from Point A and drives 22 km towards the north. He then takes a right turn, drives 11 km, turns right and drives 25 km. He then takes a right turn and drives 17 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. 6 km to the east
 - ☐ B. 5 km to the west
 - ☐ C. 5 km to the east
 - ☐ D. 6 km to the west

Q.64 Each vowel in the word OLYMPICS is changed to the vowel immediately following it as per the English alphabetical order and each consonant is changed to the fourth letter preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. What will be the 3rd letter from the right end in the new letter-cluster thus formed?

- Ans**
- ☐ A. M
 - ☒ B. U
 - ☐ C. Y
 - ☐ D. T

Q.65 N is mother of O. O is wife of P. P is brother of Q. How is N related to Q?

- Ans**
- ☐ A. Sister's Husband's Mother
 - ☐ B. Wife's Mother
 - ☒ C. Brother's Wife's Mother
 - ☐ D. Brother's Wife

Q.66 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: IKN :: OQT : %

- Ans**
- ☐ A. # = CEH , % = UDR
 - ☐ B. # = CEH , % = UGT
 - ☐ C. # = CEH , % = UMK
 - ☒ D. # = CEH , % = UWZ

Q.67 This question is based on the given words.

(LEFT) VOW GAP CUT BID (RIGHT)

How many letters are there between the first letter of the second word from the right and the second letter of the first word from the left as per the English alphabetical order?

- Ans
- ☐ A. 12
 - ☐ B. 10
 - ☒ C. 11
 - ☐ D. 14

Q.68 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

6 - 10 - 17 - 25 ; 8 - 12 - 21 - 29

- Ans
- ☐ A. 13 - 9 - 15 - 23
 - ☐ B. 7 - 11 - 19 - 11
 - ☐ C. 9 - 13 - 29 - 37
 - ☒ D. 10 - 14 - 25 - 33

Q.69 A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. S lives on an even numbered floor but not 6. The sum of floors on which A and S live is 9. The sum of floors on which S and H live is 5. D lives immediately below F. What is the sum of floors on which D and F live?

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

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.

VYU-XAW

RUQ-TWS

- Ans
- ☐ A. XZU-ZCY
 - ☒ B. XAW-ZCY
 - ☐ C. XAW-YCX
 - ☐ D. XZU-YBX

Q.71 Refer to the following number, symbol series and answer the question (all numbers are single digit numbers only)

(Left) 8 @ 4 # ! + 3 & # 9 % & # 4 7 ! 9 # 3 \$ 6 + @ 1 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☒ A. 6
 - ☒ B. 3
 - ☒ C. 9
 - ☒ D. 1

Q.72 In a certain code language, 'POTS' is coded as '7462' and 'OILY' is coded as '9536'. How is 'O' coded in that language?

- Ans**
- ☒ A. 6
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 9

Q.73 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

14 - 182 - 728 ;

17 - 221 - 884

- Ans**
- ☒ A. 11 - 143 - 578
 - ☒ B. 13 - 169 - 667
 - ☒ C. 15 - 195 - 780
 - ☒ D. 20 - 260 - 980

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 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. CL - GP
 - ☒ B. AS - EX
 - ☒ C. QK - UO
 - ☒ D. ND - RH

Q.75 Each letter in the word BLARING is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

- Ans**
- ☒ A. F
 - ☒ B. K
 - ☒ C. M
 - ☒ D. J

Q.76 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?

$$207 \text{ D } 14 \text{ B } 6 \text{ C } 105 \text{ A } 5 = ?$$

- Ans**
- ☐ A. 183
 - ☐ B. 168
 - ☒ C. 144
 - ☐ D. 165

Q.77 Aman ranked 46th from the top and 70th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 116
 - ☒ B. 115
 - ☐ C. 113
 - ☐ D. 114

Q.78 Refer to the given letter series and answer the question that follows. Counting to be done from left to right.

(Left) O E O D J G R E Y Z N A L F V G I X O E X B (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. 5
 - ☒ B. 3
 - ☐ C. 4
 - ☐ D. 2

Q.79 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HLK JNM LPO NRQ ?

- Ans**
- ☒ A. PTS
 - ☐ B. PUR
 - ☐ C. PSR
 - ☐ D. PQS

Q.80 Six people, C, D, E, O, P and Q, are sitting in a row, facing north.
No one sits to the left of E. Only three people sit between E and Q. Only three people sit to the right of O. D sits to the immediate left of O. P is not an immediate neighbor of O.
How many people sit between P and C?

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

Section : General Awareness and Current Affairs

Q.81 According to Reserve Bank of India guidelines, which of the following security mechanisms was made mandatory for all digital payments from 1 April 2026?

- Ans**
- ☒ A. Two-Factor Authentication
 - ☐ B. Single-factor Password Authentication
 - ☐ C. QR Code-only Verification
 - ☐ D. OTP-only Verification

Q.82 The sixth edition of the Khelo India Winter Games held in 2026 was organised in which Union Territory of India?

- Ans**
- ☐ A. Puducherry
 - ☐ B. Chandigarh
 - ☐ C. Lakshadweep
 - ☒ D. Ladakh

Q.83 Which national examination body was in the news due to the NEET-UG 2026 controversy and subsequent key appointments by the Centre?

- Ans**
- ☒ A. National Testing Agency
 - ☐ B. University Grants Commission
 - ☐ C. Union Public Service Commission
 - ☐ D. National Medical Commission

Q.84 Under the Mission Shakti Scheme (March 2026 update), what type of approach is adopted to strengthen women's safety, security, and empowerment?

- Ans**
- ☒ A. Holistic and victim-centric approach
 - ☐ B. Market-driven approach
 - ☐ C. Technology-only approach
 - ☐ D. Industry-centric approach

Q.85 The book "Uttarkashi: Saumya Kashi: The Soul of Himalayan Heritage", along with two other publications, was released during which national event held in New Delhi in 2026?

- Ans**
- ☒ A. National Panchayati Raj Day
 - ☐ B. World Heritage Day
 - ☐ C. National Youth Day
 - ☐ D. World Book and Copyright Day

Q.86 The peace declaration signed by Thailand and Cambodia on 26 October 2025, on the sidelines of the 47th ASEAN Summit, to resolve their border conflict is commonly known by which name?

- Ans**
- ☐ A. The Treaty of Jakarta
 - ☐ B. The Bangkok Declaration
 - ☐ C. The Phnom Penh Agreement
 - ☒ D. The Kuala Lumpur Peace Accords

Q.87 India achieved which record milestone after winning the ICC U-19 World Cup 2026 final against England in Harare, Zimbabwe?

- Ans**
- ☐ A. Third U-19 World Cup title
 - ☒ B. Sixth U-19 World Cup title
 - ☐ C. Fifth U-19 World Cup title
 - ☐ D. First U-19 World Cup title

Q.88 On World Water Day 2026 at the United Nations, India reiterated its position regarding the suspension of which long-standing water-sharing agreement with Pakistan?

- Ans**
- ☐ A. Teesta River Agreement
 - ☐ B. Ganga Water Treaty
 - ☐ C. Mahakali Treaty
 - ☒ D. Indus Waters Treaty

Q.89 India had signed a Memorandum of Understanding (MoU) in February 2026 to strengthen cooperation in forests, wildlife, biodiversity conservation, and climate change with which country?

- Ans**
- ☐ A. Sri Lanka
 - ☐ B. Bhutan
 - ☐ C. Bangladesh
 - ☒ D. Nepal

Q.90 Which state government announced in its 2026-27 budget that social media will be banned for children below the age of 16 years?

- Ans**
- ☐ A. Kerala
 - ☒ B. Karnataka
 - ☐ C. Gujarat
 - ☐ D. Madhya Pradesh

Q.91 Under which initiative was the Ayush Anudan Portal launched by the Ministry of Ayush in May 2026 to strengthen digital governance and transparency in grant management?

- Ans**
- ☒ A. Ayush Grid Initiative
 - ☐ B. National Ayush Network Initiative
 - ☐ C. Ayush Governance Programme
 - ☐ D. Digital Ayush Mission

Q.92 Who was posthumously awarded the Padma Vibhushan, India's second-highest civilian award, at the Civil Investiture Ceremony in May 2026?

- Ans**
- ☐ A. Piyush Pandey
 - ☒ B. Dharmendra Singh Deol
 - ☐ C. Uday Kotak
 - ☐ D. Dr. N. Rajam

Q.93 Which architect received the Pritzker Architecture Prize in March 2026?

- Ans**
- ☐ A. Anne Lacaton
 - ☒ B. Smiljan Radić Clarke
 - ☐ C. David Chipperfield
 - ☐ D. Francis Kéré

Q.94 Which of the following organisations, in collaboration with the Aeronautical Development Agency and Hindustan Aeronautics Limited, successfully conducted a high-speed rocket-sled test of a fighter aircraft escape system at controlled velocity in December 2025?

- Ans**
- ☐ A. Defence Institute of Advanced Technology
 - ☐ B. Indian Space Research Organisation
 - ☒ C. Defence Research and Development Organisation
 - ☐ D. Tata Advanced Systems

Q.95 In which city did the Defence Research and Development Organisation (DRDO) showcase its advanced technologies during the exhibition held from 15–18 April 2026?

- Ans**
- ☐ A. Patna
 - ☐ B. Gaya
 - ☐ C. Bhagalpur
 - ☒ D. Motihari

Q.96 Which leader was sworn in as the Chief Minister of West Bengal after the 2026 Assembly elections?

- Ans**
- ☐ A. Dilip Ghosh
 - ☐ B. Abhishek Banerjee
 - ☒ C. Suwendu Adhikari
 - ☐ D. Mukul Roy

Q.97 In February 2026, the Government of India launched which long-term sports development framework through the Union Budget 2026–27 to strengthen India's sports ecosystem?

- Ans**
- ☐ A. TOPS Development initiative
 - ☐ B. Fit India Movement programme
 - ☒ C. Khelo India Mission framework
 - ☐ D. Olympic Vision programme

Q.98 Which country made history in May 2026 by becoming the first African nation in 24 years to host the BWF World Junior Championships?

- Ans**
- ☐ A. South Africa
 - ☐ B. Kenya
 - ☒ C. Egypt
 - ☐ D. Morocco

Q.99 Which of these technology modules enables the 'third-generation fire-and-forget man-portable anti-tank guided missile' (MPATGM)—which successfully underwent flight testing in January 2026—to accurately track targets during both day and night?

- Ans**
- ☐ A. Barometric Plasma Pressure Sensor
 - ☐ B. Magnetic Flux Compass Aligner
 - ☒ C. Imaging Infrared Homing Seeker
 - ☐ D. Doppler Laser Ranging Transceiver

Q.100 Union Budget 2026–27 allocated ₹20,000 crore over five years to support CCUS. What does the letter "S" stand for in CCUS?

- Ans**
- ☐ A. Sustainability
 - ☐ B. Security
 - ☒ C. Storage
 - ☐ D. Supply



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Umang Infotech
Test Date	09/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What happens when blood passes through the alveolar capillaries in the lungs?

- Ans
- ☐ A. Both gases remain unchanged in the circulating blood
 - ☐ B. Oxygen and carbon dioxide both enter the bloodstream from alveoli
 - ☐ C. Carbon dioxide enters blood and oxygen moves into alveoli
 - ☒ D. Oxygen enters blood and carbon dioxide moves into alveoli

Q.2 What happens when ethanol is heated with excess concentrated sulphuric acid at 170°C?

- Ans
- ☒ A. Ethene is formed by dehydration
 - ☐ B. Carbon dioxide is released
 - ☐ C. Methane is formed as a gas
 - ☐ D. Ethanoic acid is formed

Q.3 When a moving car comes to a stop, what happens to its kinetic energy?

- Ans
- ☐ A. It becomes negative
 - ☐ B. It becomes double
 - ☐ C. It remains the same
 - ☒ D. It becomes zero

Q.4 If a bulb filament draws 0.5 A of current for 10 minutes, what is the total charge passed through the circuit?

- Ans
- ☐ A. 0.05 coulombs
 - ☒ B. 300 coulombs
 - ☐ C. 30 coulombs
 - ☐ D. 60 coulombs

Q.5 The refracted ray inside the prism bends _____.

- Ans
- ☐ A. Perpendicular to the base
 - ☒ B. Toward the base of the prism
 - ☐ C. Along the base
 - ☐ D. Away from the base

Q.6 A student wants to write the chemical formula for aluminium sulfate, which contains two aluminium atoms, three sulfur atoms, and twelve oxygen atoms. Which is the correct formula?

- Ans
- ☒ A. $\text{Al}_2(\text{SO}_4)_3$
 - ☐ B. $\text{Al}_3(\text{SO}_4)_2$
 - ☐ C. $\text{Al}(\text{SO}_4)_3$
 - ☐ D. Al_2SO_4

Q.7 Why are saturated hydrocarbons less reactive than unsaturated hydrocarbons?

- Ans
- ☐ A. They are aromatic.
 - ☒ B. Their single bonds are strong.
 - ☐ C. They contain oxygen.
 - ☐ D. They have double bonds.

Q.8 Which structure connects the kidneys to the urinary bladder?

- Ans
- ☐ A. Bladder
 - ☒ B. Ureter
 - ☐ C. Urethra
 - ☐ D. Pelvis

Q.9 Which type of pollutants is mainly responsible for biological magnification?

- Ans
- ☐ A. Thermal pollutants
 - ☐ B. Noise pollutants
 - ☒ C. Non-biodegradable pollutants
 - ☐ D. Decomposable pollutants

Q.10 Which way did the Sangam Tinai classification and sacred groves help conserve biodiversity?

- Ans
- ☒ A. They preserved locally diverse habitats
 - ☐ B. They classified all Indian species
 - ☐ C. They increased agricultural output
 - ☐ D. They introduced exotic species

Q.11 Which application uses refraction to focus light onto a specific point for clear vision?

- Ans
- ☐ A. A plane mirror reflecting images
 - ☐ B. A shadow formed behind an object
 - ☐ C. A glass prism splitting sunlight
 - ☒ D. The human eye lens adjusting its shape

Q.12 Metals low in the reactivity series, such as copper and mercury, are extracted by:

- Ans
- ☐ A. reduction with carbon at high temperatures
 - ☒ B. roasting in air to convert sulphide ores into oxides, followed by heating
 - ☐ C. displacement using more reactive metals
 - ☐ D. electrolysis of their molten ores

Q.13 Two uniform wires made of the same material, having the same length, and maintained at the same temperature are compared. Which factor will cause one wire to have greater electrical resistance than the other?

- Ans
- ☐ A. Higher cross-sectional area
 - ☒ B. Smaller cross-sectional area
 - ☐ C. Higher voltage
 - ☐ D. Larger electric current

Q.14 If an atom has an atomic number of 15 and a mass number of 31 according to Bohr's model, what is the number of neutrons present?

- Ans**
- ☒ A. The number of neutrons is 16.
 - ☐ B. The number of neutrons is 30.
 - ☐ C. The number of neutrons is 31.
 - ☐ D. The number of neutrons is 15.

Q.15 Read the given statements of Assertion (A) and Reason (R) carefully and select the correct option.

(A): Carbon dioxide gas is formed when acids react with metal carbonates.

(R): Metal carbonates are basic in nature and neutralise acids to form salt, water and CO_2 .

- Ans**
- ☒ A. Both A and R are true, and R is 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, but R is not the correct explanation of A.

Q.16 Which of the following best describes the shape of a distance-time graph for an object moving at a uniform speed?

- Ans**
- ☐ A. A curved line upward
 - ☐ B. A straight line with varying slope
 - ☐ C. A horizontal straight line
 - ☒ D. A straight line with a constant slope

Q.17 Which of the following is **NOT** a characteristic feature of insect-pollinated flowers?

- Ans**
- ☒ A. Production of light, small pollen grains in very large numbers
 - ☐ B. Sticky stigma adapted to receive pollen from insects
 - ☐ C. Brightly coloured petals that attract insects
 - ☐ D. Production of nectar and fragrance to attract pollinators

Q.18 Which of the following correctly represents a food chain?

- Ans**
- ☒ A. Grass → Deer → Tiger
 - ☐ B. Grass → Tiger → Deer
 - ☐ C. Tiger → Grass → Deer
 - ☐ D. Deer → Grass → Tiger

Q.19 Which statement correctly describes the energy requirement of plant tissues compared to animal tissues?

- Ans**
- ☐ A. Plants do not perform respiration for energy
 - ☐ B. Plants require more energy than animals
 - ☒ C. Plants generally require less energy than animals
 - ☐ D. Plant tissues do not require energy at all

Q.20 When measuring the object distance for a spherical mirror, as per the New Cartesian Sign Convention, which sign is assigned if the object is placed in front of the mirror?

- Ans**
- ☐ A. No sign is assigned
 - ☐ B. Variable sign is assigned
 - ☒ C. Negative sign is assigned
 - ☐ D. Positive sign is assigned

Q.21 A car starts from rest and accelerates uniformly at 2 m/s^2 for 5 seconds. What is the distance it travels during this time?

- Ans**
- ☐ A. 20 meters
 - ☐ B. 50 meters
 - ☐ C. 10 meters
 - ☒ D. 25 meters

Q.22 An environmental scientist observes that global winds move from the equator towards the poles. Which process best accounts for this pattern?

- Ans**
- ☒ A. Uneven heating creates temperature differences between latitudes
 - ☐ B. Earth's rotation reverses wind direction at the equator
 - ☐ C. Precipitation levels determine wind directions
 - ☐ D. Ocean currents transfer heat faster than air masses

Q.23 Which statement is correct regarding physical and chemical changes?

- Ans**
- ☐ A. All changes in solutions are chemical
 - ☐ B. All physical changes are irreversible
 - ☐ C. Physical changes form new substances
 - ☒ D. Chemical changes alter composition

Q.24 A ball is placed at the edge of a table and then at the center. The table's height remains unchanged. How does the ball's gravitational potential energy compare in both positions?

- Ans**
- ☐ A. The potential energy is lower at the edge than at the center
 - ☐ B. The potential energy keeps changing as the ball moves
 - ☐ C. The potential energy is higher at the edge than at the center
 - ☒ D. The potential energy is the same in both positions

Q.25 Given that:

- P displaces Q from its salt solution,
- R displaces S from its salt solution,
- Q displaces R from its salt solution,
- S cannot displace any other metal;

Which metal is the most reactive among them?

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

Section : Mathematics

Q.26 AB is the diameter of a circle with centre O. From a point X on its circumference, a perpendicular XY is dropped on AB such that it intersects AB at Y. If BY = 5 cm and XY = 7 cm, what is the circumference (in cm) of the circle?

- Ans**
- ☒ A. $\frac{74}{5} \pi$
 - ☐ B. $\frac{47}{8} \pi$
 - ☐ C. $\frac{37}{5} \pi$
 - ☐ D. $\frac{67}{7} \pi$

Q.27 Two trains, 240 m and 280 m in length, respectively, are running towards each other on parallel lines, one at the speed of 70 km/hr and another at 74 km/hr. Find the time (in seconds) they will take to cross each other.

- Ans** ☒ A. 13
☒ B. 12
☒ C. 16
☒ D. 14

Q.28 The average age of A, B, C, D, and E is 55 years. The average age of A and B is 45 years, and the average age of C and D is 57 years. The age of E is:

- Ans** ☒ A. 68 years
☒ B. 76 years
☒ C. 66 years
☒ D. 71 years

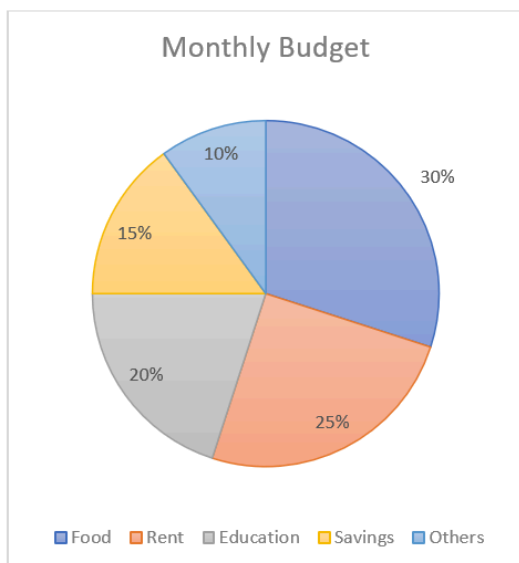
Q.29 The income of Raman is ₹83,000. He saves 16% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

- Ans** ☒ A. increase by ₹830
☒ B. decrease by ₹828
☒ C. decrease by ₹833
☒ D. increase by ₹827

Q.30 A boat can travel 48 km downstream in 3 hours and can come back the same distance upstream in 4 hours. At these speeds if the boat goes 15 km downstream, then rests for 30 mins, and returns 15 km upstream, find the total time (including the resting time) taken by the boat to complete this round trip.

- Ans** ☒ A. 2 h 11 min 15 s
☒ B. 3 h 11 min 15 s
☒ C. 2 h 56 min 15 s
☒ D. 2 h 41 min 15 s

- Q.31** The monthly budget of ₹48,000 for a family is distributed as follows: Food, Rent, Education, Savings, and Others. If they want to increase their savings to 20% next month without changing the total budget, what is the amount of the extra savings needed in next month compared to current month?



- Ans** ☒ A. ₹3,000
☒ B. ₹2,800
☒ C. ₹2,000
☒ D. ₹2,400
- Q.32** The mean and the mode of a set of data are 40.3 and 74.9, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)
- Ans** ☒ A. 52.8
☒ B. 51.8
☒ C. 51.2
☒ D. 52.9
- Q.33** The compound interest earned on a sum of money for 2 years at 8% per annum, compounded annually, is ₹166.40. Find the sum (in ₹).
- Ans** ☒ A. 1,500
☒ B. 1,200
☒ C. 1,100
☒ D. 1,000
- Q.34** The 7-digit number 22A675B is divisible by 3. What is the minimum value of (A + B)?
- Ans** ☒ A. 7
☒ B. 2
☒ C. 6
☒ D. 4
- Q.35** The expenses of three friends, A, B, and C, are in the ratio 2 : 3 : 5. If total expenses are ₹2,000, find B's share.
- Ans** ☒ A. ₹700
☒ B. ₹600
☒ C. ₹500
☒ D. ₹550

Q.36 Given that $43^{0.92} = x$, $43^{0.69} = y$ and $x^z = y^6$, then the value of z is:

- Ans
- ☐ A. 5.5
 - ☐ B. 6.5
 - ☒ C. 4.5
 - ☐ D. 3.5

Q.37 If $\cot^2(2\eta) = 3$, 2η is an acute angle, then what is the value of 5η ?

- Ans
- ☐ A. 30°
 - ☐ B. 50°
 - ☐ C. 15°
 - ☒ D. 75°

Q.38 If 12.8, 6.4, x and 1.6 are in proportion, what is the value of x ?

- Ans
- ☒ A. 3.2
 - ☐ B. 2.4
 - ☐ C. 2.8
 - ☐ D. 3.6

Q.39 Find the simple interest (in ₹) on a sum of ₹500 borrowed for 3.5 years at the rate of 8% per annum.

- Ans
- ☐ A. 120
 - ☒ B. 140
 - ☐ C. 190
 - ☐ D. 240

Q.40 If $a - b = 9$ and $ab = 13$, then the value of $a^3 - b^3$ is:

- Ans
- ☐ A. 1,040
 - ☒ B. 1,080
 - ☐ C. 1,060
 - ☐ D. 1,020

Q.41 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 19% and 59%, shop II allows successive discounts of 11% and 94%, shop III allows successive discounts of 25% and 70% and shop IV allows successive discounts of 96%, 44% and 25% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans
- ☐ A. II
 - ☐ B. I
 - ☒ C. IV
 - ☐ D. III

Q.42 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 12 hours and pipe C can fill the same tank in 12 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

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

Q.43 The curved surface area of a closed cylinder is 440 cm^2 , and its total surface area is 748 cm^2 . Find the height of the cylinder.

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

- Ans
- ☐ A. 8 cm
 - ☐ B. 12 cm
 - ☒ C. 10 cm
 - ☐ D. 5 cm

Q.44 Pravin has ₹1,701, which he divides between his two sons, Rishi and Shan. He asks them to invest their respective shares at a compound interest rate of 10% per annum, compounded annually. It is observed that Rishi's investment after 18 years equals Shan's investment after 19 years. Find the amount (in ₹) that Pravin gave to Rishi.

- Ans
- ☒ A. 891
 - ☐ B. 741
 - ☐ C. 910
 - ☐ D. 810

Q.45 A conical glass with a radius of 6 cm and height of 14 cm is filled with water up to the brim. A small conical stone with radius of 3 cm and height 7 cm is dropped into the glass, causing some water to overflow. What is the volume of water that remains in the glass?

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

- Ans
- ☐ A. 0.653 litres
 - ☐ B. 0.708 litres
 - ☒ C. 0.462 litres
 - ☐ D. 0.512 litres

Q.46 A tree standing on level ground is broken by a storm. The broken part bends and touches the ground, making an angle of 30° with the ground. The distance between the foot of the tree and the point where the top of the tree touches the ground is 12 m. Find the original height of the tree.

- Ans
- ☐ A. $18\sqrt{3}$ m
 - ☒ B. $12\sqrt{3}$ m
 - ☐ C. $18\sqrt{2}$ m
 - ☐ D. $12\sqrt{2}$ m

Q.47 The mean and the median of a dataset are in the ratio 9:8. Using the empirical formula for moderately skewed distributions, determine the ratio of the median to the mode.

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

Q.48 The price of fuel decreases successively by 10%, 20%, and 15% over three consecutive months. In the fourth month, the price increases by 40%. Find the overall percentage decrease in the price of fuel at the end of the fourth month compared to its original price.

- Ans
- ☐ A. 12.65%
 - ☒ B. 14.32%
 - ☐ C. 13.42%
 - ☐ D. 15.33%

Q.49 Which of the following statements is always true?

- Ans ☐ A. Multiples of the same number are always coprime.
☒ B. Two consecutive integers are always coprime.
☐ C. Two even numbers are always coprime.
☐ D. Two prime numbers are never coprime.

Q.50 Ramesh bought two identical washing machines. He sold one at a profit of 20% and the other at a loss of 10%. If the total selling price of both machines was ₹33,600, what was the cost price of each washing machine?

- Ans ☐ A. ₹16,800
☐ B. ₹15,800
☒ C. ₹16,000
☐ D. ₹18,000

Section : General Intelligence and Reasoning

Q.51 Each letter in the word FUTILE is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans ☐ A. F
☐ B. V
☒ C. J
☐ D. U

Q.52 19 is related to 58 following a certain logic. Following the same logic, 31 is related to 94. To which of the given options is 43 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans ☐ A. 127
☐ B. 128
☒ C. 130
☐ D. 129

Q.53 In a certain code language,
A + B means 'A is the brother of B',
A - B means 'A is the son of B',
A × B means 'A is the husband of B', and
A ÷ B means 'A is the daughter of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

- Ans ☐ A. Son's son
☒ B. Daughter's son
☐ C. Son
☐ D. Daughter's daughter

Q.54 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SUQ MOK GIE ACY ?

- Ans**
- ☒ A. UVX
 - ☒ B. UXR
 - ☒ C. UVR
 - ☒ D. UWS

Q.55 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HIL :: LMP : %

- Ans**
- ☒ A. # = ZAD , % = TTY
 - ☒ B. # = ZAC , % = STW
 - ☒ C. # = ZAD , % = TUX
 - ☒ D. # = ZCF , % = TUX

Q.56 FGHK is related to IJKN in a certain way based on the English alphabetical order. In the same way, RSTW is related to UVWZ. To which of the following options is ABCF related, following the same logic?

- Ans**
- ☒ A. DEFI
 - ☒ B. DFIE
 - ☒ C. FEDI
 - ☒ D. FIDE

Q.57 30 students are standing in a straight line facing north. Anita is 16th from the right end, while Balram is 22nd from the left end. How many students are standing between Anita and Balram?

- Ans**
- ☒ A. 7
 - ☒ B. 6
 - ☒ C. 8
 - ☒ D. 5

Q.58 Refer to the given letter series and answer the question that follows. Counting to be done from left to right.

(Left) W Z A F U V L A K I D O T U V Q U S P O P D (Right)

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

- Ans**
- ☒ A. 8
 - ☒ B. 7
 - ☒ C. 9
 - ☒ D. 10

Q.59 This question is based on the following words.

(Left) JOG VOW GYM DEW (Right)

How many letters are there between the second letter of the first word from the right and the second letter of the first word from the left, as per the English alphabetical order?

- Ans ☒ A. 12
☒ B. 9
☒ C. 10
☒ D. 8

Q.60 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Q is an immediate neighbour of both I and R. P sits third to the left of Q. R sits second to the left of Z. J is not an immediate neighbor of P. Who sits second to the right of K?

- Ans ☒ A. Q
☒ B. I
☒ C. R
☒ D. J

Q.61 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

At, Bn, Cg, Dv and Es are sitting around a circular table, facing the centre. Who sits to the immediate right of Dv?

(I) At is the immediate neighbour of Dv and Es. Cg sits to the immediate right of Bn.

(II) Es is the immediate neighbour of Cg and At. Dv sits second to the right of Es.

- Ans ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
☒ B. Data in statement II alone is sufficient to answer the question while data in statement I is not
☒ C. Data in statement I alone is sufficient to answer the question while data in statement II is not
☒ D. Data in statements I and II together are NOT sufficient to answer the question

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

35 42 56 77 105 ?

- Ans ☒ A. 140
☒ B. 138
☒ C. 136
☒ D. 142

Q.63 22 is related to 474 following a certain logic. Following the same logic, 25 is related to 615. To which of the given options is 29 related, following the same logic?

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

- Ans ☒ A. 851
☒ B. 821
☒ C. 831
☒ D. 841

Q.64 If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?
 $37 - 3 \div 5 + 18 \times 6 = ?$

- Ans**
- ☒ A. 109
 - ☒ B. 104
 - ☒ C. 113
 - ☒ D. 101

Q.65 Abhishek starts from Point A and drives 13 km towards North. He then takes a right turn, drives 6 km, turns right and drives 15 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 degrees turns only unless specified.)

- Ans**
- ☒ A. 2 km to east
 - ☒ B. 2 km to west
 - ☒ C. 3 km to west
 - ☒ D. 3 km to east

Q.66 Seven boxes A, B, C, D, U, V and W are kept one over the other but not necessarily in the same order. Only two boxes are kept below V. Only one box is kept above C. Only one box is kept between C and B. W is kept immediately above U. D is kept at some place below A. How many boxes are kept between A and W?

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

Q.67 This question is based on the given words.

(LEFT) KIT ZIP ODD RAM (RIGHT)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left as per the English alphabetical order?

- Ans**
- ☒ A. 3
 - ☒ B. 7
 - ☒ C. 5
 - ☒ D. 4

Q.68 D, F, G, H, J, K and L are sitting around a circular table facing the centre. Exactly three people sit between L and H when counted from the right of L. F sits second to the left of H. J sits immediately to the left of G. K is not an immediate neighbour of H. How many people sit between G and F when counted from the left of F?

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

Q.69 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 carpets are shoes. All pens are shoes.

Conclusion (I) : Some carpets are pens

Conclusion (II) : Some shoes 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.70 The position(s) of how many letters will remain unchanged if each of the letters in the word GAUCHOS is arranged in the reverse alphabetical order?

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

Q.71 If 3 is added to each even digit and 2 is added to each odd digit in the number 4751236, what will be the sum of the first and last digits in the new number thus formed?

- Ans**
- ☒ A. 12
 - ☒ B. 14
 - ☒ C. 16
 - ☒ D. 18

Q.72 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 Pv related to Kt if 'Pv + Df # Ly % Gi × Kt'?

- Ans**
- ☒ A. Wife's mother
 - ☒ B. Daughter's husband
 - ☒ C. Sister's husband
 - ☒ D. Wife's sister

Q.73 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. LV - KU
 - ☒ B. SY - QW
 - ☒ C. QI - OG
 - ☒ D. JG - HE

Q.74 In a certain code language "HSAL " is coded as "35" and "WHKC" is coded as "40". What is the code for "OJDZ" in the given language?

- Ans**
- ☒ A. 55
 - ☒ B. 58
 - ☒ C. 50
 - ☒ D. 49

Q.75 Each of the digits in the number 789245361 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

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

Q.76 Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☐ A. 4
 - ☒ B. 9
 - ☐ C. 6
 - ☐ D. 2

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. CK – IQ
 - ☐ B. GO – MU
 - ☐ C. HP – NV
 - ☒ D. FN – KS

Q.78 Refer to the given letter and symbol series and answer the question that follows.

(Left) R T % & V B M > < Y P L + A # ^ & ? A S P I % + E # A @ Q B T G & + % C ? (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

- Ans**
- ☐ A. B
 - ☒ B. Q
 - ☐ C. M
 - ☐ D. Y

Q.79 NLIP is related to TROV in a certain way based on the English alphabetical order. In the same way, JHEL is related to PNKR. To which of the following is RPMT related, following the same logic?

- Ans**
- ☐ A. VXSZ
 - ☐ B. XVZS
 - ☒ C. XVSZ
 - ☐ D. VXZS

Q.80 Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. E has an exam on Tuesday. Exactly 3 people have an exam between E and T. W has an exam immediately before Y and U has an exam immediately after Y. Only 1 person has an exam between W and Q. Who has an exam immediately after T?

- Ans**
- ☐ A. U
 - ☐ B. W
 - ☐ C. T
 - ☒ D. R

Section : General Awareness and Current Affairs

Q.81 In January 2026, a high-altitude rescue and road restoration operation was successfully conducted at Chatergala Pass in Jammu and Kashmir (J&K) by which organization?

- Ans**
- ☐ A. National Disaster Response Force
 - ☐ B. Indo-Tibetan Border Police
 - ☒ C. Border Roads Organisation
 - ☐ D. Indian Army Engineering Corps

Q.82 In 2026, which organization released the second annual edition of the "Fiscal Health Index (FHI)" to assess states' financial performance?

- Ans**
- ☐ A. Securities and Exchange Board of India
 - ☐ B. Finance Commission of India
 - ☐ C. Comptroller and Auditor General of India
 - ☒ D. National Institution for Transforming India

Q.83 In 2026, the Government of India announced the nationwide "ASMITA League" initiative primarily to encourage participation of whom in sports competitions?

- Ans**
- ☒ A. Women and girls in grassroots sports
 - ☐ B. School principals in fitness campaigns
 - ☐ C. Rural coaches in sports management
 - ☐ D. Senior citizens in recreational athletics

Q.84 Which of the following organisations commemorated its 176th Foundation Day on 4 March 2026?

- Ans**
- ☐ A. Archaeological Survey of India (ASI)
 - ☐ B. Botanical Survey of India (BSI)
 - ☒ C. Geological Survey of India (GSI)
 - ☐ D. Zoological Survey of India (ZSI)

Q.85 On 26 January 2026, India celebrated which edition of Republic Day?

- Ans**
- ☐ A. 78th Republic Day
 - ☒ B. 77th Republic Day
 - ☐ C. 76th Republic Day
 - ☐ D. 75th Republic Day

Q.86 In a historic first, the 43rd session of the UNESCO General Conference took place outside of Paris. Which city hosted this significant summit?

- Ans**
- ☒ A. Samarkand, Uzbekistan
 - ☐ B. New Delhi, India
 - ☐ C. Dushanbe, Tajikistan
 - ☐ D. Shanghai, China

Q.87 Which major trade agreement implemented by India in October 2025 includes a binding investment commitment of \$100 billion over 15 years to create 1 million jobs?

- Ans**
- ✓ A. The Trade and Economic Partnership Agreement (TEPA) with EFTA
 - ✗ B. The India-Oman Comprehensive Economic Partnership Agreement (CEPA)
 - ✗ C. The India-European Union Free Trade Agreement (FTA)
 - ✗ D. The India-UK Comprehensive Economic Trade Agreement (CETA)

Q.88 The 9th Elite Men's and Women's National Boxing Championship, organised by the Boxing Federation of India in January 2026, was held at which of the following locations?

- Ans**
- ✗ A. Guwahati, Assam
 - ✓ B. Greater Noida, Uttar Pradesh
 - ✗ C. Patiala, Punjab
 - ✗ D. Indore, Madhya Pradesh

Q.89 World Consumer Rights Day was/will be observed globally on which date in 2026?

- Ans**
- ✗ A. April 15
 - ✗ B. December 24
 - ✗ C. October 15
 - ✓ D. March 15

Q.90 Which prominent golfer was awarded the Laureus World Comeback of the Year Award in 2026 after completing a long-awaited career Grand Slam and defending his title successfully?

- Ans**
- ✓ A. Rory McIlroy
 - ✗ B. Tiger Woods
 - ✗ C. Jon Rahm
 - ✗ D. Scottie Scheffler

Q.91 Under the Antariksh Venture Capital Fund operationalised by Indian National Space Promotion and Authorization Center (IN-SPACe), which institution was appointed as the Investment Manager, marking India's first dedicated venture capital framework for space startups?

- Ans**
- ✗ A. NABARD Consultancy Services
 - ✗ B. Bharat Electronics Limited
 - ✗ C. National Investment and Infrastructure Fund
 - ✓ D. SIDBI Venture Capital Limited

Q.92 The Union Budget 2026-27 introduced the 'Biopharma SHAKTI' scheme. What is the primary objective of this ₹10,000 crore initiative?

- Ans**
- ✗ A. To provide free generic medicines in all government hospitals
 - ✗ B. To train 1.5 lakh care workers for the elderly
 - ✓ C. To transform India into a manufacturing hub for biologics and biosimilars
 - ✗ D. To set up new AIIMS hospitals in every state

Q.93 What was the primary aim of the UP Health Tech Conclave 1.0 in January 2026?

- Ans**
- ✗ A. Create a mobile telemedicine bus project
 - ✗ B. Launch a national health insurance scheme
 - ✗ C. Mandate AI use in all district hospitals
 - ✓ D. Build a MedTech ecosystem to boost innovation

Q.94 In February 2026, how many companies were selected under the National Green Hydrogen Mission (NGHM) electrolyser manufacturing incentive scheme for a total production capacity of 3,000 MW?

- Ans**
- ☐ A. 10 companies
 - ☐ B. 30 companies
 - ☐ C. 5 companies
 - ☒ D. 15 companies

Q.95 The 2026 operational expansion of the Ayushman Bharat PM-JAY health insurance scheme ensures universal health cover to which target group?

- Ans**
- ☐ A. All full-time educators in rural government institutions
 - ☐ B. All registered gig workers and platform delivery partners
 - ☐ C. All small-scale agricultural laborers holding land records
 - ☒ D. All citizens aged 70 years and above regardless of income

Q.96 According to the Union Budget 2025-26, under the new regime, no personal income tax is payable up to the maximum income of ₹_____.

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

Q.97 What percentage share of the divisible pool of central taxes has been recommended for the states by the 16th Finance Commission for 2026-31?

- Ans**
- ☒ A. 41%
 - ☐ B. 54%
 - ☐ C. 51%
 - ☐ D. 32%

Q.98 In its judgment on February 2, 2026, the Supreme Court directed the Union Government to constitute an inter-state water disputes tribunal to adjudicate a river water sharing conflict between Karnataka and Tamil Nadu. Which river is at the centre of this dispute?

- Ans**
- ☒ A. Pennaiyar River
 - ☐ B. Godavari River
 - ☐ C. Cauvery River
 - ☐ D. Krishna River

Q.99 Which assembly seat did Himanta Biswa Sarma win as the newly elected Chief Minister of Assam in May 2026?

- Ans**
- ☒ A. Jalukbari
 - ☐ B. Dispur
 - ☐ C. Silchar
 - ☐ D. Haflong

Q.100 Who won the Laureus Lifetime Achievement Award at the 2026 Laureus World Sports Awards — 50 years after scoring the first-ever perfect 10 in Olympic gymnastics history?

- Ans**
- ☒ A. Nadia Comăneci
 - ☐ B. Oksana Baiul
 - ☐ C. Simone Biles
 - ☐ D. Mary Lou Retton



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Prajna Mandapam
Test Date	10/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Match the following.

Column I	Column II
1. Ovary	a. Site of foetal development
2. Fallopian tube	b. Release of eggs and hormones
3. Uterus	c. Site where fertilisation occurs

- Ans**
- ☒ A. 1-a, 2-c, 3-b
 - ☒ B. 1-b, 2-a, 3-c
 - ☒ C. 1-b, 2-c, 3-a
 - ☒ D. 1-c, 2-b, 3-a

Q.2 Which of the following pairs of atoms are isobars?

- Ans**
- ☒ A. $^{23}_{11}\text{Na}$ and $^{24}_{12}\text{Mg}$
 - ☒ B. $^{14}_6\text{C}$ and $^{12}_6\text{C}$
 - ☒ C. $^{35}_{17}\text{Cl}$ and $^{37}_{17}\text{Cl}$
 - ☒ D. $^{40}_{20}\text{Ca}$ and $^{40}_{18}\text{Ar}$

Q.3 If a ray of light passes through the optical center of a thin spherical lens, what is the path of the emergent ray?

- Ans**
- ☒ A. It reflects back along its original path
 - ☒ B. It continues in the same direction without deviation
 - ☒ C. It bends towards the principal axis
 - ☒ D. It is absorbed by the lens material

Q.4 Which of the following hydrocarbons undergo addition reactions with hydrogen?

- Ans**
- ☒ A. Aromatic hydrocarbons
 - ☒ B. Alicyclic hydrocarbons
 - ☒ C. Unsaturated hydrocarbons
 - ☒ D. Saturated hydrocarbons

Q.5 During the extraction of metals, the sulphide ores are converted into oxides by heating strongly in the presence of excess air. This process is known as:

- Ans**
- ☒ A. roasting
 - ☒ B. elimination
 - ☒ C. calcination
 - ☒ D. sulphonation

Q.6 A machine lifts a load of 600 N using an effort of 150 N. What is the mechanical advantage of the machine?

- Ans
- ☐ A. 5
 - ☒ B. 4
 - ☐ C. 3
 - ☐ D. 2

Q.7 Which of the following combinations best supports sustainable development?

- Ans
- ☒ A. Renewable energy + tree plantation
 - ☐ B. Industrial expansion + waste dumping
 - ☐ C. Fossil fuels + deforestation
 - ☐ D. Overuse of water + plastic production

Q.8 In a chemical reaction, 12g of carbon reacts completely with 32g of oxygen to form carbon dioxide. If only 40g of carbon dioxide is collected, which of the following is the correct conclusion based on the Law of Conservation of Mass?

- Ans
- ☐ A. The reaction is incomplete because 4g of mass is unaccounted for.
 - ☐ B. The law of conservation of mass does not apply to gas formation.
 - ☐ C. Mass is always lost as energy, so the final mass decreases.
 - ☒ D. Carbon dioxide gas escaped during the reaction, so mass was not fully collected.

Q.9 An object is placed at the center of curvature of a concave mirror. If the mirror is now partially covered with an opaque material, what change will occur in the image?

- Ans
- ☒ A. The image will remain at the same position but will become less bright
 - ☐ B. The image will shift closer to the mirror and become smaller
 - ☐ C. The image will move farther from the mirror and become inverted
 - ☐ D. The image will disappear completely

Q.10 What occurs to the particles in the suspension when we shake it?

- Ans
- ☐ A. It forms a new substance
 - ☒ B. It mixes temporarily and then settles
 - ☐ C. It dissolves permanently
 - ☐ D. It remains settled

Q.11 Why is copper commonly used for electrical wiring in homes?

- Ans
- ☐ A. It has a low melting point
 - ☐ B. It is a poor conductor
 - ☐ C. It is magnetic
 - ☒ D. It has low electrical resistance

Q.12 Which environmental factor causes a plant shoot to bend toward a window?

- Ans
- ☐ A. Temperature
 - ☐ B. Gravity
 - ☐ C. Water
 - ☒ D. Light

Q.13 A heater is rated at 1000 W. If it is used for 2 hours, how much energy does it consume in kilowatt hours?

- Ans
- ☐ A. 0.5 kWh
 - ☒ B. 2 kWh
 - ☐ C. 3 kWh
 - ☐ D. 1 kWh

- Q.14** A student observes a plant cell under a microscope and notes it has a prominent nucleus, dense cytoplasm, and no visible vacuoles. Which of the following is the most likely function of this cell?
- Ans** ☐ A. Transporting water and minerals
☐ B. Providing structural support
☒ C. Active cell division and growth
☐ D. Storing water and nutrients
- Q.15** Which disease involves the uncontrolled growth of abnormal cells in the lungs due to smoking?
- Ans** ☐ A. Bronchitis
☐ B. Emphysema
☐ C. Asthma
☒ D. Lung cancer
- Q.16** If the same force is applied to two objects of different masses, what happens to their accelerations?
- Ans** ☐ A. The object with more mass will have greater acceleration.
☐ B. Both objects will have the same acceleration.
☒ C. The object with less mass will have greater acceleration.
☐ D. Acceleration depends only on the force, not on the mass.
- Q.17** A city is planning to build a new power plant and is choosing between several energy generation options. If the primary goal is to maximize the use of renewable and environmentally friendly energy, which option should the city select?
- Ans** ☒ A. A utility-scale solar photovoltaic farm
☐ B. A high-capacity natural gas station
☐ C. A conventional nuclear power complex
☐ D. A large-scale coal-fired facility
- Q.18** Which process would be directly affected if a plant's phloem were blocked during spring?
- Ans** ☐ A. Leaves would be unable to perform gas exchange
☒ B. Buds would fail to receive sugars needed for growth
☐ C. Water transport from roots to leaves would decrease
☐ D. Roots would not absorb sufficient nutrients from soil
- Q.19** A velocity-time graph is represented by a straight line parallel to the time axis and lying above it. What does this indicate about the motion of the object?
- Ans** ☐ A. The object is moving with increasing velocity
☐ B. The object is at rest
☐ C. The object is moving with decreasing velocity
☒ D. The object is moving with constant velocity
- Q.20** Which observation confirms that a reaction is a combination reaction?
- Ans** ☒ A. Only one new substance is produced
☐ B. Temperature decreases suddenly
☐ C. Gas is evolved during reaction
☐ D. Colour of reactants changes

Q.21 Which process in animals takes place in the absence of oxygen and releases a smaller amount of energy?

- Ans
- ☐ A. Aerobic respiration
 - ☐ B. Photosynthesis
 - ☐ C. Transpiration
 - ☒ D. Anaerobic respiration

Q.22 When a metal oxide reacts with an acid, it forms:

- Ans
- ☐ A. carbon dioxide and hydrogen gas
 - ☐ B. salt and hydrogen gas evolution
 - ☐ C. acid and metal oxide mixture only
 - ☒ D. salt and water as final products

Q.23 Which of the following methods is commonly used to measure reverberation in a room?

- Ans
- ☐ A. Calculating the frequency of the sound wave
 - ☐ B. Counting the number of echoes heard
 - ☐ C. Measuring the speed of sound in the room
 - ☒ D. Timing how long sound persists after the source stops

Q.24 Which of the following is an organic compound?

- Ans
- ☐ A. CO_2
 - ☐ B. NaCl
 - ☒ C. CH_3Cl
 - ☐ D. CaCO_3

Q.25 A weather balloon rises from sea level to 15 km altitude. The point of the temperature reverse from decreasing to increasing, and reason for this change is:

- Ans
- ☐ A. At the midpoint of the troposphere due to nitrogen distribution
 - ☒ B. At the start of the stratosphere due to ozone absorption of UV
 - ☐ C. At the top of the troposphere due to greenhouse gases
 - ☐ D. At the base of the mesosphere due to air pressure changes

Section : Mathematics

Q.26 Simplify: $(5^2)^3 \times (5)^{-2}$

- Ans
- ☐ A. 25
 - ☐ B. 125
 - ☐ C. 3125
 - ☒ D. 625

Q.27 The ratio of two numbers is 2 : 9. If 4 is added to the smaller number and 3 is added to the greater number, the ratio becomes 1 : 4. Find the original greater number.

- Ans
- ☒ A. 117
 - ☐ B. 120
 - ☐ C. 115
 - ☐ D. 127

Q.28 A tent is shaped like a cone with a height of 84 m and a base radius of 13 m. If the fabric costs ₹40 per square meter, and the total cost of the fabric used for the tent is ₹E, then find the value of $\sqrt{\frac{E}{2041}} - 4$. (Use $\pi = 3.14$)

- Ans**
- ☒ A. 8
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 2

Q.29 X's age is 20% more than Y's age. If the sum of their ages is 20 more than the difference of their ages, find their respective ages (in years).

- Ans**
- ☐ A. 10 , 13
 - ☒ B. 12 , 10
 - ☐ C. 12 , 14
 - ☐ D. 10 , 14

Q.30 What is the compound interest (in ₹) on a sum of ₹1,50,000 at 20% per annum for 2 years, when the interest is compounded semi-annually?

- Ans**
- ☐ A. 66915
 - ☒ B. 69615
 - ☐ C. 66951
 - ☐ D. 69651

Q.31 Find the arithmetic mean of the following data (rounded off to two places of decimal).

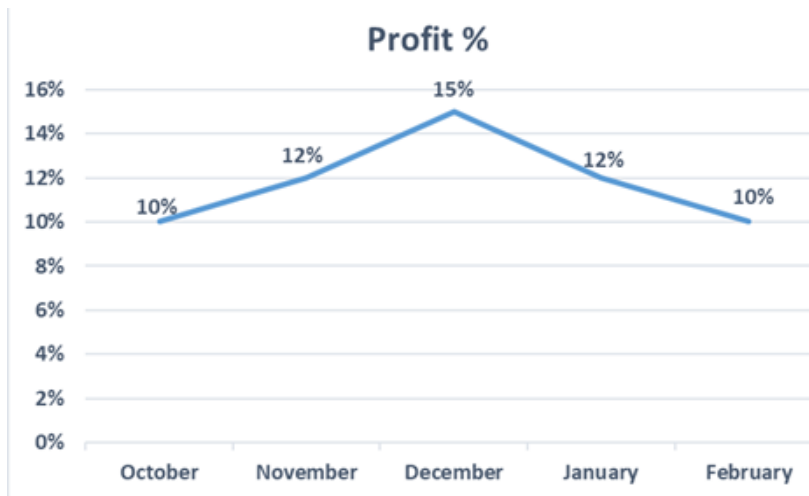
Class interval	0-12	12-24	24-36	36-48	48-60
Frequency	6	8	10	9	12

- Ans**
- ☐ A. 31.48
 - ☐ B. 32.46
 - ☒ C. 33.47
 - ☐ D. 34.48

Q.32 Simplify the following expression: $[18 - \{6 + (4 \times 2)\} + 3^2] \div 3$

- Ans**
- ☐ A. $3\frac{1}{4}$
 - ☒ B. $4\frac{1}{3}$
 - ☐ C. $4\frac{2}{3}$
 - ☐ D. $2\frac{1}{3}$

- Q.33** A shopkeeper sells heater rods, each having a cost price of ₹3,760. The profit margin varies depending on the demand, as shown in the given graph. If the total revenue on selling one rod every month from October to March end is ₹24,966.40, find the profit (in %) made in the month of March.



- Ans** ☒ A. 7%
☒ B. 6%
☒ C. 10%
☒ D. 5%
- Q.34** Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 10 hours and pipe C can fill the same tank in 15 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:
- Ans** ☒ A. 1
☒ B. 2
☒ C. 3
☒ D. 4
- Q.35** The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 58% and 36%, shop II allows successive discounts of 73% and 91%, shop III allows successive discounts of 76% and 88% and shop IV allows successive discounts of 79%, 68% and 96% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?
- Ans** ☒ A. III
☒ B. IV
☒ C. II
☒ D. I
- Q.36** A vessel contains liquids A and B in a ratio of 5 : 3. If 16 litres of the mixture is removed and the same quantity of liquid B is added, the ratio becomes 3 : 5. What quantity does the vessel hold?
- Ans** ☒ A. 40 liters
☒ B. 44 liters
☒ C. 47 liters
☒ D. 33 liters

Q.37 The difference between compound interest, compounded annually and simple interest at the same rate of interest R% per annum on an amount of ₹20,000 for 2 years is ₹162. What is the value of R?

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

Q.38 The monthly income of a person is ₹9,770. If his income is increased by 27%, then what will be his new monthly income?

- Ans**
- ☐ A. ₹12,207.90
 - ☐ B. ₹12,307.50
 - ☐ C. ₹12,507.50
 - ☒ D. ₹12,407.90

Q.39 The distance between the centres of two circles having radii 5 cm and 25 cm is 29 cm. Find the length (in cm) of the direct common tangent.

- Ans**
- ☐ A. 27
 - ☐ B. 13
 - ☐ C. 28
 - ☒ D. 21

Q.40 What sum (in ₹) will earn a simple interest of ₹960 in 4 years at 12% per year rate of interest?

- Ans**
- ☐ A. 4000
 - ☐ B. 1000
 - ☒ C. 2000
 - ☐ D. 6000

Q.41 Evaluate: $\frac{2\sin A}{(1 + \cos A + \sin A)} \times \frac{(1 + \sin A)}{(1 - \cos A + \sin A)}$

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

Q.42 A chemist needs to prepare 250 ml of a solution by mixing two liquids in the ratio 5 : 3. How much (in ml) of the second liquid should be used?

- Ans**
- ☐ A. 62.25
 - ☒ B. 93.75
 - ☐ C. 125.25
 - ☐ D. 156.25

Q.43 What is the value that must be assigned to A so that the 8-digit number 753A3228 is divisible by 18?

- Ans**
- ☐ A. 9
 - ☐ B. 5
 - ☐ C. 2
 - ☒ D. 6

Q.44 A marathon runner covers one-third of a 42 km race at a speed of 12 km/h, and the remaining two-thirds at a speed of 10.5 km/h. What is the average speed of the runner for the entire race? (Round off to two decimal places.)

- Ans**
- ☒ A. 11.86 km/h
 - ☒ B. 10.96 km/h
 - ☒ C. 11.96 km/h
 - ☒ D. 10.86 km/h

Q.45 Simplify: $\frac{\sin A}{1 + \cos A} + \frac{1 + \cos A}{\sin A}$

- Ans**
- ☒ A. $\tan A$
 - ☒ B. $2\operatorname{cosec} A$
 - ☒ C. 1
 - ☒ D. $2\sec A$

Q.46 A shopkeeper buys some pencils at 6 for ₹35 and sells them at 10 for ₹65. His profit percentage (rounded off to 2 decimal places) is %.

- Ans**
- ☒ A. 13.14
 - ☒ B. 13.41
 - ☒ C. 11.43
 - ☒ D. 11.34

Q.47 Two trains, 310 m and 320 m long, run on parallel tracks in opposite directions. The first runs at 67 km/h and the second at 59 km/h. How long will they take to cross each other?

- Ans**
- ☒ A. 18 seconds
 - ☒ B. 16 seconds
 - ☒ C. 14 seconds
 - ☒ D. 12 seconds

Q.48 The price of a commodity is increased by 30% and later decreased by 30%. What is the overall percentage change in the price of the commodity?

- Ans**
- ☒ A. 9% decrease
 - ☒ B. 18% decrease
 - ☒ C. Neither increase nor decrease
 - ☒ D. 9% increase

Q.49 If the mean of the following data is 50, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	17	33	25	43	x

- Ans**
- ☒ A. 402
 - ☒ B. 411
 - ☒ C. 425
 - ☒ D. 391

Q.50 If the volumes of two cubes are in the ratio 27 : 64, then the ratio of their total surface area is:

- Ans**
- ☒ A. 9 : 16
 - ☒ B. 4 : 9
 - ☒ C. 4 : 25
 - ☒ D. 9 : 25

Q.51 D, F, G, H, J, K and L are sitting around a circular table facing the centre. Only four people sit between J and H when counted from the right of J. F and K are immediate neighbours of D. Exactly four people sit between G and L when counted from the left of G. L is not an immediate neighbour of F or H. How many people sit between H and L when counted from the left of H?

- Ans** ☒ A. 3
☐ B. 4
☐ C. 2
☐ D. 1

Q.52 Vimal starts from Point A and drives 25 km towards the north. He then takes a left turn, drives 15 km, turns left and drives 26 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans** ☐ A. 4 km to the west
☐ B. 5 km to the east
☒ C. 4 km to the east
☐ D. 5 km to the west

Q.53 4 is related to 63 following a certain logic. Following the same logic, 3 is related to 26. To which of the following is 5 related, following the same logic?
(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.)

- Ans** ☒ A. 124
☐ B. 127
☐ C. 125
☐ D. 126

Q.54 Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. P has an exam on Wednesday. Only one person has an exam between P and R. U has an exam immediately after R. Only three people have an exam between U and Q. V has an exam after S but before Q. When does T have an exam?

- Ans** ☐ A. Monday
☐ B. Saturday
☒ C. Sunday
☐ D. Thursday

Q.55 What will come in place of the question mark (?) in the following equation, if '–' and '÷' are interchanged and '×' and '+' are interchanged?

$$84 + 1 - 1 \times 1 \div 9 = ?$$

- Ans** ☒ A. 76
☐ B. 78
☐ C. 79
☐ D. 77

- 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:

Some fruits are vegetables.
All vegetables are animals.

Conclusions:

- (I) Some animals are fruits.
(II) Some fruits are not animals.

- 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.57** In a certain code language,

A + B means 'A is the sister of B',
A - B means 'A is the son of B',
A × B means 'A is the husband of B',
and A ÷ B means 'A is the daughter of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

- Ans** ☒ A. Sister
☒ B. Daughter's daughter
☒ C. Daughter
☒ D. Son's daughter

- Q.58** Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) T G O U P M U O A K A A T J P L I T U E E V (Right)

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

- Ans** ☒ A. 4
☒ B. 3
☒ C. 1
☒ D. 2

- Q.59** Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations.)

5 - 15 - 30 - 40 ; 6 - 18 - 36 - 46

- Ans** ☒ A. 7 - 21 - 42 - 52
☒ B. 8 - 24 - 36 - 48
☒ C. 9 - 27 - 54 - 60
☒ D. 10 - 30 - 50 - 70

Q.60 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RSP NOL JKH FGD ?

- Ans**
- ☒ A. BBY
 - ☒ B. BCE
 - ☒ C. BCZ
 - ☒ D. BDY

Q.61 H, I, J, L, M and N live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
Only four people live below L. J lives on a floor above L. Only N lives below H. I lives on an even-numbered floor.
How many people live below M?

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

Q.62 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1543862, what will be the sum of the digits that are second from the left and third from the right?

- Ans**
- ☒ A. 11
 - ☒ B. 13
 - ☒ C. 10
 - ☒ D. 12

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. ABD
 - ☒ B. XYA
 - ☒ C. QRT
 - ☒ D. BDE

Q.64 A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
Only H lives above Y. A lives immediately below Y. Only G lives below S.
Who lives on floor number 3?

- Ans**
- ☒ A. A
 - ☒ B. P
 - ☒ C. Y
 - ☒ D. H

- 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 swans are ducks.
Some swans are fish.

Conclusions:

(I) Some fish are ducks.
(II) Some ducks are swans.

- 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.66** This question is based on the given words.

VAN LOG ZIP GUM

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. Two
☐ B. Three
☐ C. One
☐ D. None

- Q.67** Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: IDA :: CXU : %

- Ans** ☐ A. # = CRO, % = OJG
☐ B. # = WRO, % = OKG
☐ C. # = WRO, % = OJP
☒ D. # = WRO, % = OJG

- Q.68** 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 desks are halls.
No hall is a table.

Conclusions:

(I) No desk is a table.
(II) Some tables are halls.

- 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.69 Each vowel in the word COMPANY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

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

Q.70 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 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. OSU
 - ☐ B. BFH
 - ☒ C. AFG
 - ☐ D. PTV

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

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

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

Q.72 Each letter in the word EARLIER is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter-cluster thus formed?

- Ans**
- ☐ A. 5
 - ☐ B. 1
 - ☐ C. 3
 - ☒ D. 2

Q.73 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the sister of B',
A × B means 'A is the wife of B' and
A % B means 'A is the father of B'.

How is Ranbir related to Kajal if 'Ranbir + Kartik × Himansh % Sunny - Kajal'?

- Ans**
- ☐ A. Husband
 - ☐ B. Son
 - ☐ C. Father
 - ☒ D. Brother

Q.74 LN 12 is related to GI 6 in a certain way. In the same way, SU 22 is related to NP 11. To which of the following is VX 18 related to following the same logic?

- Ans**
- ☒ A. QS 9
 - ☐ B. RT 7
 - ☐ C. SU 7
 - ☐ D. PR 9

Q.75 What will come in place of the '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$217 \div 62 \times 434 - 493 + 307 = ?$$

- Ans**
- ☐ A. 271
 - ☒ B. 217
 - ☐ C. 127
 - ☐ D. 227

Q.76 This question is based on the following words.

(Left) TUG ZAX JAW LID (Right)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left, as per the English alphabetical order?

- Ans**
- ☐ A. 2
 - ☐ B. 6
 - ☐ C. 4
 - ☒ D. 3

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.

FWU : EYR
JVF : IXC

- Ans**
- ☐ A. UQG : TSC
 - ☒ B. NGQ : MIN
 - ☐ C. DHE : CJA
 - ☐ D. KJN : JKK

Q.78 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) U \$ % Q 4 3 Y © G U 8 3 6 @ & Q 3 5 K # 1 K (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

- Ans**
- ☐ A. 3
 - ☐ B. @
 - ☒ C. 8
 - ☐ D. ©

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

24 29 37 48 62 ?

- Ans**
- ☐ A. 81
 - ☐ B. 77
 - ☐ C. 83
 - ☒ D. 79

Q.80 Six people, C, D, E, O, P and Q, are sitting in a row, facing north. Only two people sit between C and P. E sits to the immediate left of P. No one sits to the right of D. Only two people sit between D and E. O sits to the immediate right of C.

How many people sit between Q and O?

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

Section : General Awareness and Current Affairs

Q.81 Which state reported the highest GST growth among all states in India for the financial year 2025-26, recording a 28.4% increase in collections amounting to ₹845 crore?

- Ans**
- ☐ A. Meghalaya
 - ☐ B. Sikkim
 - ☐ C. Arunachal Pradesh
 - ☒ D. Nagaland

Q.82 In April 2026, the RBI issued directions for implementing the Standardised Approach (SA) for Credit Risk, aligning with Basel III finalization norms. What is the primary implementation date set for banks to comply with this new capital charge framework?

- Ans**
- ☐ A. March 31, 2028
 - ☐ B. October 1, 2026
 - ☐ C. January 1, 2026
 - ☒ D. April 1, 2027

Q.83 In May 2026, which international body formally backed a landmark International Court of Justice (ICJ) advisory opinion, stating that countries have a legal obligation to reduce greenhouse gas emissions?

- Ans**
- ☐ A. The World Trade Organization
 - ☐ B. The International Criminal Court
 - ☒ C. The UN General Assembly
 - ☐ D. The UN Security Council

Q.84 Who among the following, known for preserving and promoting the traditional embroidery craft of West Bengal while empowering rural women artisans, was selected to receive the Padma Shri from President Droupadi Murmu at the ceremony held on May 25, 2026?

- Ans**
- ☐ A. Sivasankari
 - ☐ B. Rabibal Tudu
 - ☒ C. Tripti Mukherjee
 - ☐ D. Saroj Mandal

- Q.85** 'Mahatma: A Great Communicator' published in 2026 is written by which Indian author?
- Ans** ☐ A. Vikram Seth
☐ B. Shashi Tharoor
☒ C. Dr. Dhiraj Kakadia
☐ D. Amish Tripathi
- Q.86** Who among the following is the author of the book 'Zubeen Garg: The Voice that Bridged Worlds' published in May 2026?
- Ans** ☒ A. Prosenjit Nath
☐ B. Anuradha Sharma
☐ C. Jahnvi Barua
☐ D. Parismita Singh
- Q.87** What major AYUSH infrastructure initiative was announced in the Union Budget 2026-27 to strengthen India's position as a global centre for traditional medicine?
- Ans** ☒ A. Establishing three new All India Institutes of Ayurveda
☐ B. Closing the WHO Traditional Medicine Centre to upgrade private facilities
☐ C. Shifting AYUSH funding entirely to state governments
☐ D. Banning the export of all Ayurvedic products to ensure domestic supply
- Q.88** DRDO successfully demonstrated Solid Fuel Ducted Ramjet (SFDR) technology on February 3, 2026, from which test range, placing India in an elite league of nations capable of developing long-range air-to-air missiles?
- Ans** ☒ A. Integrated Test Range (ITR), Chandipur, Odisha
☐ B. Suryalanka Air Force Station, Andhra Pradesh
☐ C. Abdul Kalam Island, Odisha
☐ D. Pokhran Test Range, Rajasthan
- Q.89** Which of the following satellites was successfully launched during the 5th operational flight (LVM3-M5) of the LVM3 launch vehicle in November 2025?
- Ans** ☐ A. CMS-02
☐ B. INSAT-3DS
☐ C. GSAT-24
☒ D. CMS-03
- Q.90** Which of the following bird sanctuaries was included in the list of Ramsar sites in January 2026?
- Ans** ☐ A. Nagi Bird Sanctuary
☒ B. Patna Bird Sanctuary
☐ C. Vedanthangal Bird Sanctuary
☐ D. Chilika Bird Sanctuary
- Q.91** What is the location where ISRO (Indian Space Research Organisation) has undertaken mission MITRA in April 2026?
- Ans** ☐ A. Dehradun, Uttarakhand
☐ B. Srinagar, Jammu and Kashmir
☒ C. Leh, Union Territory of Ladakh
☐ D. Shimla, Himachal Pradesh

Q.92 What was India's rank in the Global Peace Index (GPI) 2025?

- Ans**
- ☐ A. 114
 - ☐ B. 112
 - ☐ C. 113
 - ☒ D. 115

Q.93 The 23rd edition of the FIFA World Cup, scheduled to be held in June and July 2026, is historically significant for being co-hosted by which group of nations?

- Ans**
- ☐ A. Japan, South Korea, and Australia
 - ☒ B. Canada, Mexico, and the United States
 - ☐ C. Brazil, Argentina, and Uruguay
 - ☐ D. Germany, France, and the Netherlands

Q.94 Which domestic enforcement or emergency branch under the Ministry of Home Affairs secured the largest majority share of the 101 President's Medals for Distinguished Service (PSM) declared on Republic Day 2026?

- Ans**
- ☐ A. Fire Service
 - ☐ B. Civil Defence & Home Guard Service
 - ☒ C. Police Service
 - ☐ D. Correctional Service

Q.95 Which legislation is primarily associated with the SHe-Box platform highlighted in government communications during 2026?

- Ans**
- ☐ A. Prohibition of Child Marriage Act, 2006
 - ☐ B. Protection of Women from Domestic Violence Act, 2005
 - ☐ C. Dowry Prohibition Act, 1961
 - ☒ D. Sexual Harassment of Women at Workplace Act, 2013

Q.96 The India AI Impact Summit 2026, the first global AI summit hosted in the Global South and set a Guinness World Record for the most AI responsibility pledges received in 24 hours, was held at which venue in New Delhi?

- Ans**
- ☒ A. Bharat Mandapam
 - ☐ B. Vigyan Bhawan
 - ☐ C. India International Centre
 - ☐ D. Jawaharlal Nehru Stadium

Q.97 During a seminar held in January 2026 at Kalinga Institute of Social Sciences (KISS), Bhubaneswar, the localisation of Sustainable Development Goals (SDGs) was linked to which national vision?

- Ans**
- ☐ A. Digital India
 - ☒ B. Viksit Bharat
 - ☐ C. Make in India
 - ☐ D. Atmanirbhar Bharat

Q.98 Who created tennis history at the 2026 Australian Open by becoming the youngest male player ever to complete the career Grand Slam in singles?

- Ans**
- ☐ A. Jannik Sinner
 - ☐ B. Casper Ruud
 - ☐ C. Alexander Zverev
 - ☒ D. Carlos Alcaraz

Q.99 In which of the following states was the Bholath Hockey Cup held in March 2026?

- Ans**
- ☐ A. Haryana
 - ☐ B. Uttar Pradesh
 - ☐ C. Rajasthan
 - ☒ D. Punjab

Q.100 For which of the following sports did Vijay Amritraj receive the Padma Bhushan in the 2026 investiture ceremony at Rashtrapati Bhavan?

- Ans**
- ☐ A. Cricket
 - ☒ B. Tennis
 - ☐ C. Chess
 - ☐ D. Badminton



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Kollam
Test Date	10/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A beam of white light passes through a glass prism and splits into different colors. Which physical phenomenon is primarily responsible for the separation of colors after refraction through the prism?

- Ans** ☒ A. Dispersion of light
☐ B. Scattering of light
☐ C. Absorption of light
☐ D. Reflection of light

Q.2 A car of mass 1000 kg increases its velocity from 10 m/s to 20 m/s in 5 seconds. What is the force exerted on the car?

- Ans** ☐ A. 1500 N
☐ B. 2500 N
☐ C. 1000 N
☒ D. 2000 N

Q.3 Which of the following properties do isobars have in common?

- Ans** ☐ A. Physical nature
☐ B. Number of protons
☒ C. Mass number
☐ D. Atomic number

Q.4 A botanist observes a plant stem that bends easily without breaking and is investigating the tissue beneath the epidermis. Which type of simple permanent tissue is most likely responsible for this flexibility?

- Ans** ☐ A. Sclerenchyma
☐ B. Parenchyma
☐ C. Epidermis
☒ D. Collenchyma

Q.5 Which of the following environmental problems is related to the penetration of harmful UV rays into our atmosphere?

- Ans** ☐ A. Acid rain
☒ B. Ozone hole
☐ C. Global warming
☐ D. Greenhouse effect

Q.6 A student measures the absolute refractive index of water as 1.33. What does this mean about the speed of light in water compared to air?

- Ans**
- ☐ A. Light speed is the same in water and air
 - ☐ B. Light travels faster in water by a factor of 1.33 compared to air
 - ☐ C. Light can not travel through water at all.
 - ☒ D. Light travels slower in water by a factor of 1.33 compared to air

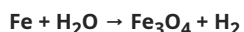
Q.7 Which defect of vision is caused by the eye's lens focusing images in front of the retina, making distant objects appear blurry, and can be corrected using a concave lens?

- Ans**
- ☐ A. Astigmatism
 - ☐ B. Hypermetropia
 - ☐ C. Presbyopia
 - ☒ D. Myopia

Q.8 During the preparation of baking soda in the laboratory, which gas is essential for its formation along with ammonia and water?

- Ans**
- ☒ A. Carbon dioxide
 - ☐ B. Hydrogen
 - ☐ C. Nitrogen
 - ☐ D. Oxygen

Q.9 During balancing of the following equation, a student first balances hydrogen instead of oxygen.



What is the main difficulty this approach may cause?

- Ans**
- ☐ A. Chemical formulas must be modified
 - ☒ B. Oxygen atoms remain highly unequal
 - ☐ C. Law of conservation becomes invalid
 - ☐ D. Coefficients become impossible values

Q.10 Which of the following best describes Thomson's model of an atom?

- Ans**
- ☐ A. Electrons revolve around the nucleus in fixed orbits.
 - ☒ B. An atom consists of a positively charged sphere with electrons embedded in it.
 - ☐ C. An atom is a dense positively charged nucleus with electrons outside.
 - ☐ D. Electrons are randomly placed outside the atom.

Q.11 A field biologist observes a rapid increase in soil minerals after the introduction of a decomposer organism in a forest plot. Which feature of this organism most likely facilitated the increase in mineral content?

- Ans**
- ☐ A. Photosynthesis for energy production
 - ☐ B. Ingestion of organic material
 - ☒ C. Absorption of nutrients by mycelium
 - ☐ D. Cellulose cell wall formation

Q.12 A Distance-Time graph shows a curve that starts steep and gradually becomes flatter (slope decreasing). This motion represents _____.

- Ans**
- ☐ A. Zero acceleration
 - ☒ B. Deceleration
 - ☐ C. Positive acceleration
 - ☐ D. Constant, negative velocity

Q.13 Which part of the human brain is responsible for most thinking activities?

- Ans ☒ A. Fore-brain
☐ B. Cerebellum
☐ C. Hind-brain
☐ D. Mid-brain

Q.14 Which combination of symbols would you use to indicate a wire joint in a schematic circuit diagram?

- Ans ☒ A. A dot at the intersection of two lines
☐ B. Two parallel lines
☐ C. A rectangle
☐ D. Lines crossing without a dot

Q.15 In plants, carbohydrates produced during photosynthesis are stored in which form?

- Ans ☐ A. Protein
☒ B. Starch
☐ C. Cellulose
☐ D. Glycogen

Q.16 Which epithelial tissue is found in the lining of the kidney tubules?

- Ans ☒ A. Cuboidal
☐ B. Ciliated
☐ C. Squamous
☐ D. Columnar

Q.17 Which sequence correctly represents the formation stages of coal?

- Ans ☐ A. Anthracite → Bituminous → Lignite → Peat
☐ B. Peat → Bituminous → Lignite → Anthracite
☒ C. Peat → Lignite → Bituminous → Anthracite
☐ D. Lignite → Peat → Anthracite → Bituminous

Q.18 Which saturated hydrocarbon has the molecular formula as C_3H_6 ?

- Ans ☐ A. propene
☒ B. cyclopropane
☐ C. propane
☐ D. propyne

Q.19 For work to be considered done on an object, which two conditions must be met?

- Ans ☒ A. A force must act on the object, and the object must move.
☐ B. The force must be applied for a long time, and the object must be at rest.
☐ C. The object must be heavy, and the force must be large.
☐ D. The object must move fast, and the force must be constant.

Q.20 A plant sample, when tested, has vascular tissues (xylem and phloem) but no seeds. Which group does it belong to?

- Ans ☐ A. Thallophyta
☐ B. Gymnosperm
☐ C. Bryophyta
☒ D. Pteridophyta

Q.21 Which of the following is a practical reason for using a series combination of resistors in an electrical circuit?

- Ans**
- ☐ A. To maintain the same voltage across each resistor
 - ☐ B. To decrease voltage across each resistor
 - ☒ C. To increase total resistance and limit current
 - ☐ D. To increase the current in the circuit

Q.22 Which of the following structures connect the brain to the muscles?

- Ans**
- ☒ A. Nerves
 - ☐ B. Glands
 - ☐ C. Blood
 - ☐ D. Bones

Q.23 Which of the following is an example of a homogeneous mixture?

- Ans**
- ☐ A. Sand and water
 - ☐ B. Oil and water
 - ☐ C. Iron filings and sulfur
 - ☒ D. Sugar dissolved in water

Q.24 Which of the following sets correctly represents physical properties commonly exhibited by most metals?

- Ans**
- ☐ A. Soft, non-ductile, poor conductor of electricity
 - ☐ B. Dull, malleable, non-sonorous
 - ☐ C. Brittle, non-lustrous, poor conductor of heat
 - ☒ D. Lustrous, malleable, good conductor of electricity

Q.25 Which of the following does NOT possess potential energy (with respect to the ground)?

- Ans**
- ☐ A. A compressed spring
 - ☐ B. Water stored in a dam
 - ☐ C. A stone on the roof
 - ☒ D. A freely falling body at ground level

Section : Mathematics

Q.26 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 66% and 88%, shop II allows successive discounts of 78% and 70%, shop III allows successive discounts of 89% and 35% and shop IV allows successive discounts of 27%, 65% and 59% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☐ A. III
 - ☒ B. I
 - ☐ C. II
 - ☐ D. IV

Q.27 If $\sin(\theta) = \frac{3}{5}$, where θ is an acute angle, find the value of $\cos(\theta)$.

- Ans
- ☒ A. $\frac{3}{4}$
 - ☒ B. $\frac{4}{5}$
 - ☒ C. $\frac{5}{4}$
 - ☒ D. $\frac{3}{5}$

Q.28 The radius of a circle is 9 cm. Find the area (in cm^2) of the sector whose central angle is 72° .

(Use $\pi = \frac{22}{7}$ and round off your answer to 2 decimal places.)

- Ans
- ☒ A. 50.91
 - ☒ B. 56.82
 - ☒ C. 72.36
 - ☒ D. 48.23

Q.29 Find the amount obtained on ₹2,000 after 2 years at 12% per annum compound interest, compounded annually.

- Ans
- ☒ A. ₹2,608.80
 - ☒ B. ₹2,450.80
 - ☒ C. ₹2,508.80
 - ☒ D. ₹2,520.80

Q.30 What is the value of $(6x + 3y)$, if mean of the following distribution is 62?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	2	16	x	8	y	50

- Ans
- ☒ A. 71
 - ☒ B. 81
 - ☒ C. 65
 - ☒ D. 77

Q.31 Sachin deposited a sum of ₹14,525 at 20% rate of interest per annum, compounded annually. The total amount received by Sachin after 2 years is:

- Ans
- ☒ A. ₹20,916
 - ☒ B. ₹21,073
 - ☒ C. ₹20,720
 - ☒ D. ₹20,910

Q.32 Simplify: $(\frac{7}{8} \div \frac{7}{16})$.

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

Q.33 Given that $86^{0.2} = x$, $86^{0.35} = y$ and $x^z = y^9$, then the value of z is:

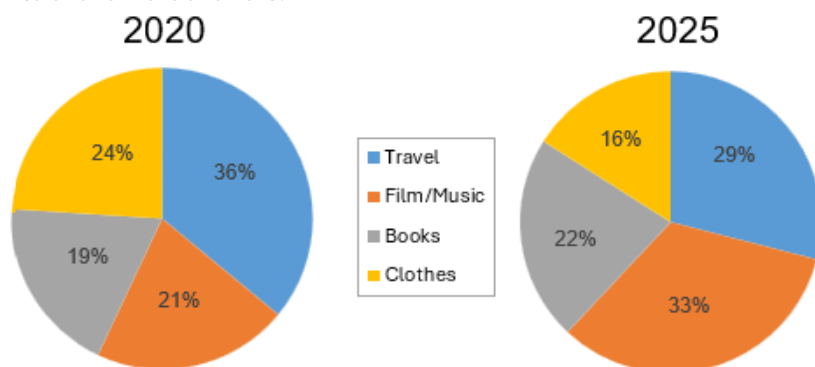
- Ans**
- ☒ A. 17.25
 - ☒ B. 16.25
 - ☒ C. 15.75
 - ☒ D. 14.75

Q.34 Find the median from the following data.

Age in years	20-30	30-40	40-50	50-60	60-70	70-80	80-90
No. of patients	21	25	13	11	10	37	23

- Ans**
- ☒ A. 72
 - ☒ B. 79
 - ☒ C. 60
 - ☒ D. 48

Q.35 The pie charts illustrate the distribution of online sales (with the total amount remaining the same (in ₹) for both years) across various retail sectors in New Zealand for 2020 and 2025.



By how many percentage points did the share of Film & Music change from 2020 to 2025?

- Ans**
- ☒ A. 12%
 - ☒ B. 16%
 - ☒ C. 17%
 - ☒ D. 22%

Q.36 If $a + b + c = 6$, $abc = -60$ and $a^3 + b^3 + c^3 = 162$, find the value of $ab + bc + ca$.

- Ans**
- ☒ A. 11
 - ☒ B. -7
 - ☒ C. 14
 - ☒ D. -21

Q.37 If $\frac{\tan\theta - 1 + \sec\theta}{\tan\theta + 1 - \sec\theta} = N \cdot \frac{1 + \sin\theta}{\cos\theta}$, then the value of $\frac{1}{N}$ is:

- Ans**
- ☒ A. $\tan\theta$
 - ☒ B. $\operatorname{cosec}\theta$
 - ☒ C. ∞
 - ☒ D. 1

Q.38 There are only two candidates contesting the election. A person who got 25% votes lost by 500 votes. Assuming that there were no invalid votes, the total number of votes casted are:

- Ans**
- ☐ A. 3000
 - ☐ B. 2000
 - ☐ C. 4000
 - ☒ D. 1000

Q.39 If $x : y = 3 : 5$ and $y : z = 2 : 3$, find the value of $x : y : z$.

- Ans**
- ☐ A. 1 : 2 : 3
 - ☒ B. 6 : 10 : 15
 - ☐ C. 3 : 5 : 7
 - ☐ D. 3 : 7 : 5

Q.40 Mukesh, a trader, buys a certain number of pens at ₹5 per pen. He sells two-thirds of the pens at a 25% profit and the remaining pens at a 10% loss. If the overall profit made by Mukesh is ₹360, how many pens did he buy?

- Ans**
- ☐ A. 580
 - ☐ B. 530
 - ☐ C. 550
 - ☒ D. 540

Q.41 Simplify:
 $(3\sqrt{5} + 2\sqrt{3})^2 - (3\sqrt{5} - 2\sqrt{3})^2$.

- Ans**
- ☒ A. $24\sqrt{15}$
 - ☐ B. $36\sqrt{3}$
 - ☐ C. $30\sqrt{15}$
 - ☐ D. $18\sqrt{5}$

Q.42 Find the simple interest (in ₹) on a sum of ₹500 borrowed for 4.5 years at a rate of interest of 12% per annum.

- Ans**
- ☒ A. 270
 - ☐ B. 370
 - ☐ C. 250
 - ☐ D. 320

Q.43 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 8 hours and pipe C can fill the same tank in 24 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

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

Q.44 A car covers a total distance of 360 km. It covers the first 120 km at 40 km/h. Of the remaining distance, it then covers one-third at 60 km/h and the rest at a constant speed v . If the car's overall average speed for the whole trip is 60 km/h, what is the value of v ?

- Ans**
- ☐ A. 90 km/h
 - ☐ B. 85 km/h
 - ☒ C. 96 km/h
 - ☐ D. 100 km/h

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 76% and that of the TV decreases by 37%, then what is the percentage change in the total cost of 4 washing machines and 3 TVs?

- Ans**
- ☐ A. Decrease by 16%
 - ☐ B. Increase by 13%
 - ☒ C. Increase by 8.2%
 - ☐ D. Decrease by 5%

Q.46 A cuboid measures 30 cm × 24 cm × 18 cm. It is painted on all its outer surfaces and then cut into small cubes of side 2 cm. How many of the small cubes have paint on exactly two faces?

- Ans**
- ☐ A. 128
 - ☐ B. 124
 - ☒ C. 120
 - ☐ D. 132

Q.47 The length of the diameter of a circle is 26 cm and the length of a chord of the circle is 10 cm. Find the distance (in cm) of the chord from the centre of the circle.

- Ans**
- ☐ A. 18
 - ☐ B. 16
 - ☐ C. 14
 - ☒ D. 12

Q.48 A paint mixture is made by mixing blue and white paint in the ratio 7 : 2. If a painter uses 315 liters of blue paint, how much total paint mixture will be prepared?

- Ans**
- ☐ A. 350 liters
 - ☐ B. 490 liters
 - ☐ C. 420 liters
 - ☒ D. 405 liters

Q.49 Kaushal travelled for 5 hours 52 minutes at the speed of 45 km/h. At what speed (in km/h) should he travel to cover the same distance in 24 hours?

- Ans**
- ☐ A. 12
 - ☐ B. 9
 - ☒ C. 11
 - ☐ D. 8

Q.50 The average monthly expenditure of a family is ₹3,200 during the first three months, ₹3,550 during the next four months, and ₹4,120 during the last five months of the year. If the total savings during the year was ₹2,265, what is the average monthly income?

- Ans**
- ☒ A. ₹3,888.75
 - ☐ B. ₹4,234.60
 - ☐ C. ₹4,380
 - ☐ D. ₹3,880

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?

$$245 \div 64 \times 448 - 562 + 381 = ?$$

- Ans** ☒ A. 216
☐ B. 126
☐ C. 226
☐ D. 206

Q.52 What should come in place of the question mark (?) in the given series?

59 71 84 98 113 ?

- Ans** ☐ A. 131
☒ B. 129
☐ C. 133
☐ D. 127

Q.53 Seven boxes, E, F, G, H, W, X and Y, are kept one over the other, but not necessarily in the same order.

Only W is kept below E. G is kept above Y. Only one box is kept above Y. Only X is kept between Y and F.

How many boxes are kept between H and W?

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

Q.54 Refer to the following letter, symbol series and answer the question.

(Left) N L + B ^ H & # & J K + ? N + ? \$ J B O P (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

- Ans** ☐ A. @
☒ B. #
☐ C. +
☐ D. ?

Q.55 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 tigers are kiwis.

No tiger is a pigeon.

Conclusions:

(I) No kiwi is a pigeon.

(II) Some pigeons are tigers.

- 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.56 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) M J € M 2 5 P & * T Z 6 E A # * 7 % Z & B * (Right)

If all the symbols are dropped from the series, which of the following will be fourth from the left?

- Ans**
- ☐ A. P
 - ☐ B. *
 - ☐ C. 5
 - ☒ D. 2

Q.57 This question is based on the following words:

HEN INK BUS BAT

In each of the words, each vowel is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order.

In how many letter-clusters thus formed will no vowel appear?

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

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.

JFG-DZA

XTU-RNO

- Ans**
- ☐ A. YTT-RNO
 - ☐ B. YUV-ROO
 - ☒ C. YUV-SOP
 - ☐ D. YTT-SOP

Q.59 This question is based on the given words.

DAN REX MIS LEO

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

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 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. QT - UX
 - ☐ B. JM - NQ
 - ☒ C. MP - RT
 - ☐ D. PS - TW

Q.61 In a certain code language, 'have some lunch' is coded as 'cq xg ku' and 'they have left' is coded as 'ku nv hm'. How is 'have' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☐ A. xg
 - ☒ B. ku
 - ☐ C. hm
 - ☐ D. cq

Q.62 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: DGF :: PSR : %

- Ans**
- ☐ A. # = ADC , % = SUV
 - ☐ B. # = ADB , % = RUT
 - ☐ C. # = AFE , % = SVU
 - ☒ D. # = ADC , % = SVU

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 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. MNK
 - ☐ B. PQN
 - ☒ C. KMI
 - ☐ D. BCZ

Q.64 KHFM is related to QNLS in a certain way based on the English alphabetical order. In the same way, GDBI is related to MJHO. To which of the following is NKIP related, following the same logic?

- Ans**
- ☐ A. QTVO
 - ☐ B. QTOV
 - ☐ C. TQVO
 - ☒ D. TQOV

Q.65 In a certain code language,

A + B means 'A is the sister of B',
A - B means 'A is the daughter of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the son of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

- Ans**
- ☐ A. Daughter's daughter
 - ☒ B. Son's daughter
 - ☐ C. Daughter
 - ☐ D. Sister

Q.66 Mr. Namgyal starts from Point A and drives 31 km towards east. He then takes a right turn, drives 39 km, turns right and drives 51 km. He then takes a right turn and drives 4 km. Next, he takes a right turn, drives 12km, turns left and drives 15 km. He then 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 degree turns only, unless specified.)

- Ans**
- ☐ A. 22 km towards south
 - ☐ B. 24 km towards west
 - ☐ C. 20 km towards east
 - ☒ D. 20 km towards north

Q.67 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HKG CFB XAW SVR ?

- Ans**
- ☐ A. NPL
 - ☒ B. NQM
 - ☐ C. NOQ
 - ☐ D. NRL

Q.68 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.
Only two people sit between R and K. Only one person sits between I and Z when counted from the right of I. Only one person sits between Z and K. Only one person sits between I and P. Only one person sits between J and P.
Who sits fourth to the right of Q?

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

Q.69 S is wife of T. T is brother of U. U is mother of V. How is S related to V?

- Ans**
- ☐ A. Mother
 - ☐ B. Sister
 - ☐ C. Mother's Mother
 - ☒ D. Mother's Brother's Wife

Q.70 Each letter in the word DISTANT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter-cluster thus formed?

- Ans**
- ☐ A. 6
 - ☐ B. 3
 - ☒ C. 4
 - ☐ D. 2

Q.71 A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
A lives on floor number 4. Only two people live between A and G. Only Y lives between A and H. P lives just below A.
Who lives on floor number 2?

- Ans**
- ☐ A. Y
 - ☒ B. S
 - ☐ C. H
 - ☐ D. P

Q.72 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above K. Only one box is kept above Q. Only one box is kept between Q and I. R is kept immediately above J. S is kept at some place below T. How many boxes are kept between T and J?

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

Q.73 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$23 - 4 + 2 \times 4 \div 6 = ?$$

- Ans** ☐ A. 44
☒ B. 48
☐ C. 42
☐ D. 46

Q.74 The position(s) of how many letters will remain unchanged if each letter in the word HANDOUTS is arranged in the English alphabetical order?

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

Q.75 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

$$2 - 13 - 33 - 40 ; 8 - 19 - 51 - 58$$

- Ans** ☐ A. 10 - 23 - 63 - 70
☐ B. 5 - 16 - 54 - 61
☒ C. 6 - 17 - 45 - 52
☐ D. 7 - 18 - 48 - 41

Q.76 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) X % \ \$ W U C N P R G N * A Y # T V A W O (Right)

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

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

Q.77 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 74295863, how many digits will appear more than once in the new number thus formed?

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

Q.78 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 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. Both conclusions (I) and (II) follow
 - ☒ C. Only conclusion (II) follows
 - ☐ D. Only conclusion (I) follows

Q.79 D, F, G, H, J, K and L are sitting around a circular table facing the centre. Exactly two people sit between G and F when counted from the left of F. L and H are immediate neighbours of J. Exactly one person sits between H and D when counted from the right of D. How many people sit between J and F when counted from the left of J?

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

Q.80 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

12 - 228 - 684 ;

18 - 342 - 1026

- Ans**
- ☐ A. 19 - 361 - 1066
 - ☐ B. 11 - 209 - 667
 - ☒ C. 16 - 304 - 912
 - ☐ D. 15 - 285 - 866

- Q.81** Under the nationwide immunization campaign launched in February 2026, which precise age group of adolescent girls is eligible to receive the Gardasil-4 vaccine free of cost?
- Ans** ☒ A. 11 years old
☒ B. 16 years old
☒ C. 14 years old
☒ D. 9 years old
- Q.82** Who had assumed office as the Chief Minister of Tamil Nadu on 10 May 2026 representing the Tamilaga Vettri Kazhagam party?
- Ans** ☒ A. Edappadi K. Palaniswami
☒ B. K. Annamalai
☒ C. C. Joseph Vijay
☒ D. M. K. Stalin
- Q.83** The Prime Minister's Internship Scheme, launched in October 2024, was expanded in April 2026 to include which additional category of applicants?
- Ans** ☒ A. Foreign students studying in Indian universities
☒ B. Retired government employees below 60 years
☒ C. Final-year graduate and post-graduate students
☒ D. School students from Classes 9 to 12
- Q.84** In May 2026, NITI Aayog convened the first meeting of a high-powered standing committee to boost India's global services market share. What is the target share and the specific goal set for 2047?
- Ans** ☒ A. 8% share of global services; \$1 trillion exports
☒ B. 10% share of the global services market; Viksit Bharat vision
☒ C. 15% share of global trade; 100 million new jobs
☒ D. 5% share of global manufacturing; \$500 billion exports
- Q.85** According to the second edition of the North Eastern Region (NER) District Sustainable Development Goals (SDG) Index Report (2023-24) released by NITI Aayog, which district recorded the highest score in the North Eastern Region Sustainable Development Goals (NER SDG) Index 2023-24?
- Ans** ☒ A. Agartala (Tripura)
☒ B. Aizawl (Mizoram)
☒ C. Gangtok (Sikkim)
☒ D. Hnahthial (Mizoram)
- Q.86** Which initiative was announced in 2025 by India and the United Kingdom to advance digital inclusion and develop secure and innovative communications by linking university research with lab testing, field trials, and market deployment?
- Ans** ☒ A. India-UK Emerging Technologies Partnership Platform
☒ B. India-UK Cyber Security Cooperation Framework
☒ C. India-UK Digital Trade Facilitation Mechanism
☒ D. India-UK Connectivity and Innovation Centre
- Q.87** In February 2026, NABARD released State Focus Papers primarily for planning which activity?
- Ans** ☒ A. Priority sector credit planning
☒ B. Defence budget expenditure planning
☒ C. Renewable energy export planning
☒ D. Urban development corridor planning

Q.88 The Promotion and Regulation of Online Gaming Rules, 2026, came into force on _____.

- Ans**
- ☐ A. 1st February 2026
 - ☒ B. 1st May 2026
 - ☐ C. 1st March 2026
 - ☐ D. 1st April 2026

Q.89 In May 2026, the Target Olympic Podium Scheme (TOPS) was restructured to become the single nodal point for how many sports disciplines?

- Ans**
- ☐ A. 10
 - ☐ B. 15
 - ☒ C. 27
 - ☐ D. 36

Q.90 Which two countries signed a Statement of Intent to enhance cooperation in artificial intelligence and digital technologies on the sidelines of the India AI Impact Summit 2026?

- Ans**
- ☐ A. India and France
 - ☒ B. India and Sweden
 - ☐ C. India and Japan
 - ☐ D. India and Germany

Q.91 In early 2026, which individual from Chhattisgarh was recognized for outstanding contributions in Social Work with the Padma Shri award?

- Ans**
- ☐ A. Ms. Anjali Deshmukh
 - ☐ B. Dr. Sunil Kumar
 - ☒ C. Dr. Budhri Tati
 - ☐ D. Mr. Suresh Patel

Q.92 Which act forms the basis for the National Sports Governance (National Sports Board) Rules, 2026?

- Ans**
- ☐ A. Sports Regulation Act, 2022
 - ☐ B. Sports Development Act, 2023
 - ☒ C. National Sports Governance Act, 2025
 - ☐ D. National Sports Policy, 2024

Q.93 Which football club won the Laureus World Team of the Year Award at the 2026 Laureus World Sports Awards, having swept six titles including their first-ever UEFA Champions League title?

- Ans**
- ☐ A. Manchester City
 - ☐ B. FC Barcelona
 - ☐ C. Real Madrid
 - ☒ D. Paris Saint-Germain

Q.94 As per the Immigration and Foreigners (Amendment) Rules, 2026, notified by Ministry of Home Affairs in June 2026, foreigners arriving in India for up to how many days must register themselves before the expiry of their visa if they seek to extend their stay in the country?

- Ans**
- ☐ A. 240 days
 - ☒ B. 180 days
 - ☐ C. 210 days
 - ☐ D. 250 days

- Q.95** In 2026, which individual was honoured for their exceptional service in disaster management with the Subhash Chandra Bose Aapda Prabandhan Puraskar?
- Ans** ☐ A. Dr. Prakash Singh
☒ B. Lieutenant Colonel Seeta Ashok Shelke
☐ C. Major General Rakesh Sharma
☐ D. Ms. Sunita Kumari
- Q.96** The novel Taiwan Travelogue, which won the prestigious International Booker Prize in 2026, was originally written by which author?
- Ans** ☐ A. Lin King
☐ B. Wu Ming-Yi
☐ C. Chi Ta-wei
☒ D. Yang Shuang-zi
- Q.97** Who won the Laureus World Sportsman of the Year award at the 2026 Laureus World Sports Awards held in Madrid?
- Ans** ☐ A. Lando Norris
☒ B. Carlos Alcaraz
☐ C. Tadej Pogačar
☐ D. Mondo Duplantis
- Q.98** What was the name of the initiative organised by the Ministry of Environment, Forest and Climate Change on the sidelines of TERI's World Sustainable Development Summit 2026 in New Delhi to connect Himalayan researchers with industry and policymakers?
- Ans** ☐ A. Himalayan Outreach Mission
☐ B. Him-SAMVAD
☐ C. Mountain Research Network
☒ D. Him-CONNECT
- Q.99** Which specific indigenously developed weapon system completed its final deliverable configuration development trials in May 2026?
- Ans** ☐ A. Akash-NG
☐ B. SANT-M1
☒ C. ULPGM-V3
☐ D. Helina-V2
- Q.100** In May 2026, the Elite National Physical Disability Cricket Championship final was hosted in _____.
- Ans** ☐ A. Raipur
☐ B. Jaipur
☐ C. Hyderabad
☒ D. Bengaluru



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Jalandhar
Test Date	10/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A patient with severe lung disease has reduced oxygen intake. Which cellular pathway is likely to be upregulated in their muscle cells during exertion, and what product accumulates as a result?

- Ans**
- ☐ A. Aerobic breakdown of pyruvate to carbon dioxide and water
 - ☐ B. Anaerobic conversion of pyruvate to ethanol and carbon dioxide
 - ☐ C. Direct conversion of glucose to ATP without any by-products
 - ☒ D. Anaerobic conversion of pyruvate to lactic acid, leading to lactic acid accumulation

Q.2 A student calculates the work done on an object and its kinetic energy. In which SI unit should both quantities be expressed?

- Ans**
- ☐ A. Pascal (Pa)
 - ☒ B. Joule (J)
 - ☐ C. Newton (N)
 - ☐ D. Watt (W)

Q.3 If you are given a transparent liquid that can conduct electricity and contains only one type of atom, what can you conclude?

- Ans**
- ☐ A. It is a compound
 - ☒ B. It is an element
 - ☐ C. It is a heterogeneous mixture
 - ☐ D. It is a solution

Q.4 Most of the energy fixed by autotrophs is ____ at each trophic level.

- Ans**
- ☐ A. Converted into organic matter
 - ☐ B. Stored in the organism
 - ☒ C. Lost to the environment as heat
 - ☐ D. Utilized for locomotion

Q.5 A researcher collects air samples from 90° North latitude and finds a persistent high-pressure system. The underlying process that explains this observation is:

- Ans**
- ☐ A. Surface flow from equatorial regions
 - ☐ B. Convergence at sub-tropical latitudes
 - ☒ C. Sinking of cold, dense air in polar regions
 - ☐ D. Rising of warm air from the surface

Q.6 Which of the following bacteria is **INCORRECTLY paired with its role?**

- Ans**
- ☐ A. Azotobacter — Nitrogen fixation in soil
 - ☐ B. Nitrobacter — Conversion of nitrite to nitrate
 - ☒ C. Pseudomonas — Nitrification
 - ☐ D. Rhizobium — Nitrogen fixation in legumes

Q.7 Which statement correctly describes the difference between position vector and displacement vector?

- Ans**
- ☒ A. Position vector locates a point; displacement vector shows the change between two points
 - ☐ B. Both always have the same magnitude
 - ☐ C. Position vector always shows the path traveled
 - ☐ D. Both always point in the same direction

Q.8 Which of the following reactions violates the Law of Conservation of Mass?

- Ans**
- ☐ A. $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$
 - ☐ B. $\text{Ca} + \text{Cl}_2 \rightarrow \text{CaCl}_2$
 - ☒ C. $2\text{Mg} + \text{O}_2 \rightarrow \text{MgO}$
 - ☐ D. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$

Q.9 Consider the following statements about a seesaw used in a playground.

1. The central support acts as the fulcrum.
2. The weight of a child on one side may act as the load.
3. The force applied by a child on the opposite side may act as the effort.
4. A seesaw is an example of a first-class lever.

Which of the above statements are correct?

- Ans**
- ☐ A. 1, 2 and 3 only
 - ☒ B. 1, 2, 3 and 4
 - ☐ C. 1, 2 and 4 only
 - ☐ D. 1 and 2 only

Q.10 Why does a tightly stretched drum skin make a different sound than a loose one?

- Ans**
- ☐ A. A tightly stretched drum skin is heavier than a loose one
 - ☐ B. A tightly stretched drum skin contains more air than a loose one
 - ☐ C. A tightly stretched drum skin is thicker than a loose one
 - ☒ D. A tightly stretched drum skin vibrates faster than a loose one

Q.11 The commonly used catalysts for hydrogenation reactions are _____ and _____.

- Ans**
- ☒ A. palladium, nickel
 - ☐ B. palladium, conc. sulphuric acid
 - ☐ C. nickel, sodium hydroxide
 - ☐ D. conc. sulphuric acid, nickel

Q.12 What does a sphygmomanometer measure in the human body?

- Ans**
- ☒ A. Blood pressure
 - ☐ B. Blood sugar
 - ☐ C. Body temperature
 - ☐ D. Heart rate

Q.13 A force of 60 N is used to push a box, causing it to accelerate at 3 m/s^2 . What is the mass of the box?

- Ans
- ☐ A. 180 kg
 - ☐ B. 15 kg
 - ☒ C. 20 kg
 - ☐ D. 18 kg

Q.14 A couple is unable to conceive naturally due to blocked oviducts in the female. Which medical technique can help them achieve pregnancy?

- Ans
- ☐ A. Hormone therapy
 - ☐ B. Artificial insemination
 - ☐ C. Ultrasound imaging
 - ☒ D. In-vitro Fertilisation

Q.15 Two identical coils are placed near each other. If the current in the first coil is switched off suddenly, what will happen in the second coil?

- Ans
- ☐ A. A steady current is induced in the second coil as long as the first coil remains off.
 - ☒ B. A current is momentarily induced in the second coil in a direction that tries to keep the magnetic field constant.
 - ☐ C. No current is induced in the second coil because the coils are not connected.
 - ☐ D. A current is induced in the second coil that helps decrease the original magnetic field.

Q.16 Which of the following best describes the image formed by a concave mirror when the object is placed just beyond the focal point but before the center of curvature?

- Ans
- ☐ A. Real, upright, and same size
 - ☐ B. Virtual, upright, and diminished
 - ☒ C. Real, inverted, and magnified
 - ☐ D. Virtual, inverted, and magnified

Q.17 Which of the following statements best explains why striking a bell in a vacuum does NOT produce sound we can hear?

- Ans
- ☐ A. Light from the bell reaches our ears instead
 - ☒ B. Sound needs a medium to travel from the bell to our ears
 - ☐ C. The bell's material prevents sound from traveling
 - ☐ D. The bell does not vibrate in a vacuum

Q.18 Why does carbon form a large number of compounds?

- Ans
- ☐ A. Because carbon cannot form rings
 - ☐ B. Because carbon forms only single bonds
 - ☐ C. Because carbon is highly reactive
 - ☒ D. Because the carbon-carbon bond is very strong and stable

Q.19 A student needs to test whether a laboratory sample contains a strong base. Which procedure is most appropriate for confirming this?

- Ans
- ☐ A. Add methyl orange and look for a red colour
 - ☐ B. Smell the solution for a sharp odour
 - ☐ C. Dip blue litmus paper and check if it remains blue
 - ☒ D. Add a drop of phenolphthalein and observe a pink colour

Q.20 Two siblings from the same parents often look different from each other. Which process mainly causes this difference?

- Ans**
- ☐ A. Respiration
 - ☐ B. Mitosis
 - ☒ C. Meiosis
 - ☐ D. Photosynthesis

Q.21 What happens to the magnetic field around a straight current-carrying conductor if the direction of the current is reversed?

- Ans**
- ☐ A. The magnetic field around the conductor becomes zero.
 - ☐ B. The magnetic field around the conductor disappears.
 - ☒ C. The magnetic field direction reverses around the conductor.
 - ☐ D. The magnetic field strength doubles around the conductor.

Q.22 What is used as an anode in the electrolytic refining of nickel?

- Ans**
- ☐ A. Nickel sulphate
 - ☐ B. Nickel acetate
 - ☐ C. Nickel carbonate
 - ☒ D. Impure nickel

Q.23 Consider two elements, X with atomic number 7 and Y with atomic number 8. Which of the following is correct about their number of protons?

- Ans**
- ☒ A. Y has one more proton than X.
 - ☐ B. X has one more proton than Y.
 - ☐ C. Both have no protons.
 - ☐ D. Both have same number of protons.

Q.24 If you mix aqueous solutions of sodium sulphate and barium chloride, what type of chemical reaction occurs and what is the evidence for it?

- Ans**
- ☐ A. Decomposition; heat release
 - ☐ B. Single displacement; color of substance changes
 - ☒ C. Double displacement; formation of a precipitate
 - ☐ D. Redox reaction; gas evolution occurs

Q.25 Which part of the plant vascular tissue is mainly responsible for transporting amino acids and soluble products of photosynthesis?

- Ans**
- ☐ A. Epidermis
 - ☐ B. Cortex
 - ☐ C. Xylem
 - ☒ D. Phloem

Section : Mathematics

Q.26 Find the value of $(2^3)^4 \div 2^5$.

- Ans**
- ☐ A. 2^2
 - ☐ B. 2^5
 - ☒ C. 2^7
 - ☐ D. 2^{12}

Q.27 If $a + b = 9$ and $ab = 13$, then the value of $a^3 + b^3$ is:

- Ans ☐ A. 328
☐ B. 398
☒ C. 378
☐ D. 348

Q.28 Which of the following identities is correct?

- Ans ☐ A. $\sec^2\theta + \tan^2\theta = 1$
☐ B. $\sin^2\theta - \cos^2\theta = 1$
☐ C. $\operatorname{cosec}^2\theta + \cot^2\theta = 1$
☒ D. $\sec^2\theta - \tan^2\theta = 1$

Q.29 Find the compound interest on ₹8,324 at 5% per annum for 2 years, compounded annually.

- Ans ☐ A. ₹875.41
☐ B. ₹865.31
☐ C. ₹841.11
☒ D. ₹853.21

Q.30 The ratio of the present ages of Anil and Rohit is 7 : 9. After 8 years, the ratio will become 9 : 11. What is Anil's present age?

- Ans ☐ A. 21
☒ B. 28
☐ C. 42
☐ D. 35

Q.31 The sum of three prime numbers is 112. If one number exceeds the other by 36, what is the product of these numbers?

- Ans ☐ A. 4516
☐ B. 5678
☒ C. 5402
☐ D. 4826

Q.32 Three types of milk, A, B, and C, have concentrations of 12%, 18%, and 24%, respectively. If they are mixed in the ratio 2 : 4 : p to create a mixture with a 20% concentration, what is the value of p?

- Ans ☒ A. 6
☐ B. 2
☐ C. 4
☐ D. 3

Q.33 Find the simple interest (in ₹) on a sum of ₹550 borrowed for 2.5 years at a rate of interest of 4% per annum.

- Ans ☐ A. 155
☒ B. 55
☐ C. 35
☐ D. 105

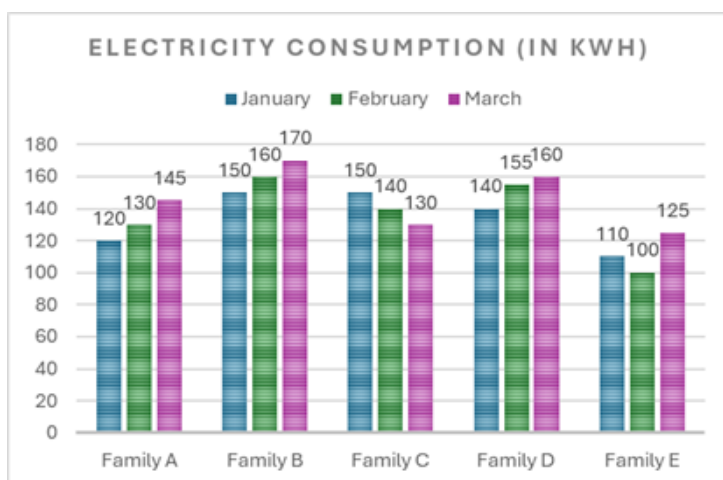
Q.34 The sum of the radius of the base and the height of a cylinder is 48 cm. If the ratio of the curved surface area to the total surface area of the cylinder is 5:8, find the difference between the total surface area and the curved surface area of the cylinder. (Use $\pi = 3.14$)

- Ans** ☒ A. 2,034.72 cm²
☒ B. 2,108.38 cm²
☒ C. 2,058.63 cm²
☒ D. 2,186.59 cm²

Q.35 Arvind bought an article for ₹x. He sold it to Biru at a loss of 11%. Biru spent ₹180 on its transportation and sold it to Minu at a profit of 60%. If Minu bought it for ₹1,000, then what is the value of x?

- Ans** ☒ A. 500
☒ B. 503
☒ C. 494
☒ D. 452

Q.36 The given bar graph shows electricity consumption (in kWh) for five households (Family A, B, C, D, E) over a period of three months (January to March).



Which family is with the highest electricity consumption and determine how much more they consumed (in kWh) compared to the family with the lowest usage over the three-month period?

- Ans** ☒ A. A, and 145
☒ B. B, and 145
☒ C. E, and 146
☒ D. C, and 142

Q.37 An observer on the top of a cliff, 249 m above the sea-level, observes the angles of depression of two ships to be 30° and 60°, respectively. What is the distance (in m) between the ships if they are on opposite sides of the cliff?

- Ans** ☒ A. $332\sqrt{2}$
☒ B. $249\sqrt{2}$
☒ C. $332\sqrt{3}$
☒ D. $249\sqrt{3}$

Q.38 A train, 150 m in length, running at a speed of 72 km/hr crosses another train thrice as fast as this train and running in the same direction on parallel lines in 10 seconds. Find the length (in m) of the second train.

- Ans**
- ☒ A. 320
 - ☒ B. 280
 - ☒ C. 300
 - ☒ D. 250

Q.39 A factory has two machines, X and Y. Machine X can produce 200 units in 5 hours, and machine Y can produce 180 units in 6 hours. If both machines work together for 3 hours and then only machine X works for 2 more hours, how many units are produced in total?

- Ans**
- ☒ A. 350 units
 - ☒ B. 290 units
 - ☒ C. 310 units
 - ☒ D. 280 units

Q.40 A solid metal sphere of radius 6 cm is melted and cast into small solid cones, each having radius 3 cm and height 4 cm. How many complete cones can be formed?

- Ans**
- ☒ A. 18
 - ☒ B. 36
 - ☒ C. 30
 - ☒ D. 24

Q.41 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 ₹9,555
 - ☒ B. decrease by ₹9,550
 - ☒ C. increase by ₹9,559
 - ☒ D. decrease by ₹9,556

Q.42 If the mean of the following data is 47, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	36	18	29	20	x

- Ans**
- ☒ A. 270
 - ☒ B. 227
 - ☒ C. 242
 - ☒ D. 243

Q.43 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 85% and 27%, shop II allows successive discounts of 78% and 19%, shop III allows successive discounts of 24% and 27% and shop IV allows successive discounts of 24%, 94% and 74% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☒ A. II
 - ☒ B. III
 - ☒ C. I
 - ☒ D. IV

Q.44 Naresh deposited a sum of ₹58,000 at 20% rate of interest per annum, compounded annually. The total amount received by Naresh after 2 years is:

- Ans**
- ☐ A. ₹83,159
 - ☐ B. ₹83,119
 - ☐ C. ₹83,229
 - ☒ D. ₹83,520

Q.45 The median of a moderately skewed distribution is 32 and the mean is 30. Find the mode of the data.

- Ans**
- ☒ A. 36
 - ☐ B. 40
 - ☐ C. 35
 - ☐ D. 32

Q.46 A number is first increased by 20% and then decreased by 12%. Find the net percentage increase or decrease in the number.

- Ans**
- ☒ A. 5.6% increase
 - ☐ B. 4.8% decrease
 - ☐ C. 5.2% increase
 - ☐ D. 4.3% decrease

Q.47 If $(2x + 5)$, $(3x + 7)$ and $(4x + 9)$ are in continued proportion, find the values of x .

- Ans**
- ☐ A. $x = 2, 2$
 - ☐ B. $x = 2, -2$
 - ☐ C. $x = 3, -3$
 - ☒ D. $x = -2, -2$

Q.48 Given that $140^{0.86} = x$, $140^{0.74} = y$ and $x^z = y^7$, then the value of z is close to:

- Ans**
- ☐ A. 4.38
 - ☐ B. 5.94
 - ☒ C. 6.02
 - ☐ D. 8.01

Q.49 Two circles with centres C_1 and C_2 have radii r_1 and r_2 , respectively. If the distance between their centres is equal to $r_2 - r_1$, then how many common tangents can be drawn to the two circles?

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

Q.50 In a 1 km race, A beats B by 50 m. In 800 m race, B beats C by 40 m. In a 200 m race, by what distance (in m) does A beat C?

- Ans**
- ☐ A. 18
 - ☒ B. 19.5
 - ☐ C. 25
 - ☐ D. 22.5

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 one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ A. KO-SY
 - ☐ B. SW-AG
 - ☒ C. CG-KP
 - ☐ D. AE-IO

Q.52 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

MQ-UY-CG
TX-BF-JN

- Ans
- ☐ A. AE-IM-BH
 - ☒ B. AE-IM-QU
 - ☐ C. AE-IM-AS
 - ☐ D. AE-IM-LM

Q.53 17 is related to 68 following a certain logic. Following the same logic, 29 is related to 116. To which of the given options is 41 related, following the same logic?

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

- Ans
- ☐ A. 166
 - ☐ B. 162
 - ☒ C. 164
 - ☐ D. 168

Q.54 Each letter in the word DROUGHT is changed to the letter immediately preceding it in the English alphabetical order and then all the letters in the cluster thus formed are arranged in the English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

- Ans
- ☐ A. T
 - ☐ B. N
 - ☒ C. G
 - ☐ D. C

Q.55 Uday ranked 45th from the top and 81st from the bottom in his class. How many students are there in his class?

- Ans
- ☐ A. 124
 - ☐ B. 126
 - ☒ C. 125
 - ☐ D. 127

- Q.56** Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) V L E A O B K O C H R E X I S W O J H U C L (Right)

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

- Ans** ☒ A. 3
☒ B. 1
☒ C. 0
☒ D. 2

- Q.57** 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 only.

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

- Q.58** What will come in place of the question mark '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$35 \times 5 \div 7 - 11 + 9 = ?$$

- Ans** ☒ A. 47
☒ B. 51
☒ C. 49
☒ D. 45

- Q.59** This question is based on the given words.

O P E H E R K I D S K Y

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

- Q.60** Raghav starts from Point A and drives 26 km towards the west. He then takes a right turn, drives 15 km, turns right and drives 32 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans** ☒ A. 5 km to the south
☒ B. 6 km to the north
☒ C. 6 km to the south
☒ D. 5 km to the north

Q.61 What should come in place of the question mark (?) in the given series?

98 102 111 127 152 ?

- Ans**
- ☒ A. 190
 - ☒ B. 188
 - ☒ C. 185
 - ☒ D. 182

Q.62 21 is related to 199 following a certain logic. Following the same logic, 16 is related to 154. To which of the given options is 19 related, following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☒ A. 151
 - ☒ B. 171
 - ☒ C. 181
 - ☒ D. 161

Q.63 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

I sits to the immediate right of Q. P sits to the immediate right of J. Only three people sit between I and Z when counted from the left of I. Only three people sit between Q and K.

How many people sit between Q and J when counted from the right of J?

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

Q.64 In a certain code language, 'down the road' is coded as 'qb ko np' and 'shutter is down' is coded as 'mc np ev'. How is 'down' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☒ A. ev
 - ☒ B. qb
 - ☒ C. np
 - ☒ D. ko

Q.65 Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. R has an exam on one of the days before Thursday but not on Tuesday. Only two people have an exam between R and V. V has an exam immediately before Q. As many people have an exam after Q as before U. P has an exam immediately before T. Only one person has an exam between P and S. Who has an exam on Tuesday?

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

Q.66 Each vowel in the word QUALITY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

- Ans**
- ☒ A. B
 - ☒ B. V
 - ☒ C. P
 - ☒ D. K

Q.67 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, what will be difference between the highest and lowest digits in the number thus formed?

- Ans**
- ☒ A. 9
 - ☒ B. 8
 - ☒ C. 7
 - ☒ D. 10

Q.68 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1537246, what will be difference between the highest and lowest digits in the number thus formed?

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

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 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. JO - NR
 - ☒ B. KO - NR
 - ☒ C. MQ - PT
 - ☒ D. BF - EI

Q.70 In a certain code language "KBNY" is coded as "43" and "RBXU" is coded as "30". What is the code for "WIJM" in the given language?

- Ans**
- ☒ A. 33
 - ☒ B. 38
 - ☒ C. 40
 - ☒ D. 46

Q.71 Six people, A, B, C, D, E, and F, are sitting in a straight line, facing the north. Only one person sits to the right of D. C sits to the immediate right of B. Only A sits between D and F.
Who sits at the extreme left end of the line?

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

Q.72 This question is based on the given words.

BOX TUG PAN SEW

If in each of the words, each letter is changed to the immediately following letter in the English alphabetical order, how many words thus formed will have no vowel?

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

Q.73 Refer to the given letter and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) * * © © G @ A & © C X # C J * T \$ F N @ \$ & (Right)

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

- Ans**
- ☒ A. 3
 - ☒ B. 2
 - ☒ C. 5
 - ☒ D. 4

Q.74 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: TSZ :: JGD : %

- Ans**
- ☒ A. # = RUX, % = LEE
 - ☒ B. # = RUX, % = MEF
 - ☒ C. # = RUY, % = LEF
 - ☒ D. # = RUX, % = LEF

Q.75 ACEG is related to YACE in a certain way based on the English alphabetical order. In the same way, RTVX is related to PRTV. To which of the following options is MOQS related, following the same logic?

- Ans**
- ☒ A. KMOP
 - ☒ B. KMOQ
 - ☒ C. KMIU
 - ☒ D. KMQO

Q.76 In a certain code language, 'running is good habit' is coded as 'gn yb dm hc' and 'they are good boys' is coded as 'yb gt ol pk'. How is 'good' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☒ A. yb
 - ☒ B. gt
 - ☒ C. hc
 - ☒ D. ol

Q.77 In a certain code language,
A + B means 'A is the brother of B',
A - B means 'A is the daughter of B',
A × B means 'A is the husband 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. Daughter's son
☐ B. Son
☐ C. Son's son
☐ D. Brother

Q.78 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VUX YXA BAD EDG ?

- Ans** ☐ A. HFI
☐ B. HHI
☐ C. HIK
☒ D. HGJ

Q.79 K, B, V, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
Only two people live above F. V lives on an even-numbered floor but above F. Only two people live between K and F. D lives immediately below B.
How many people live between E and F?

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

Q.80 F is father of G. G is brother of H. H is mother of I. How is F related to I?

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

Section : General Awareness and Current Affairs

Q.81 Which U.S. Secretary of State had called on Prime Minister Narendra Modi in May 2026 and briefed him on the progress in bilateral cooperation across sectors including defence, trade, and energy security?

- Ans** ☒ A. Marco Rubio
☐ B. Antony Blinken
☐ C. Jake Sullivan
☐ D. Pete Hegseth

Q.82 In the Union Budget 2025-26, India's total defense allocation reached a record high of approximately how much, reflecting the government's sustained focus on military modernization and Atmanirbharta (self-reliance)?

- Ans** ☒ A. ₹6.81 lakh crore
☐ B. ₹8.81 lakh crore
☐ C. ₹5.61 lakh crore
☐ D. ₹4.33 lakh crore

Q.83 On March 11, 2026, the Supreme Court of India delivered a historic first-of-its-kind order in the case of Harish Rana v. Union of India, permitting the withdrawal of life-sustaining treatment for a man who had been in a Persistent Vegetative State for over 13 years. Which constitutional right did the Court invoke as the basis for this landmark passive euthanasia ruling?

- Ans**
- ☒ A. Article 21
 - ☐ B. Article 32
 - ☐ C. Article 14
 - ☐ D. Article 19

Q.84 Which organization was entrusted with the responsibility of implementing the 'Bharat Industrial Development Scheme' (BHAVYA) in March 2026?

- Ans**
- ☐ A. National Small Industries Corporation
 - ☐ B. Ministry of Micro, Small and Medium Enterprises
 - ☒ C. National Industrial Corridor Development Corporation
 - ☐ D. Industrial Finance Corporation of India

Q.85 Which cinema legend was honored with a Padma Bhushan at the 2026 Civil Investiture Ceremony for contributions to Malayalam and Indian cinema?

- Ans**
- ☐ A. Mohanlal
 - ☒ B. Mammooty
 - ☐ C. Kamal Haasan
 - ☐ D. Chiranjeevi

Q.86 What was the primary objective of the Constitution (131st Amendment) Bill, 2026?

- Ans**
- ☐ A. To abolish the Rajya Sabha nomination process
 - ☐ B. To establish simultaneous elections across India
 - ☐ C. To create a new constitutional court system
 - ☒ D. To operationalise women's reservation through delimitation

Q.87 Who among the following was awarded the Padma Shri in January 2026 for contribution in the field of sports?

- Ans**
- ☐ A. Inderjit Singh Sidhu
 - ☒ B. Baldev Singh
 - ☐ C. Gambir Singh Yonzon
 - ☐ D. Deepika Reddy

Q.88 Which state hosted the Maroon Beret Ceremonial Parade in 2026 marking the successful completion of training of the Indian Air Force Special Forces operatives at Air Force Station, Chandinagar?

- Ans**
- ☐ A. Punjab
 - ☐ B. Haryana
 - ☐ C. Rajasthan
 - ☒ D. Uttar Pradesh

Q.89 At the Seiko Golden Grand Prix in Tokyo in May 2026, Yemi Mary John became the first European in 2026 to break the 50-second barrier in which event?

- Ans**
- ☐ A. 300 meters
 - ☐ B. 800 meters
 - ☐ C. 600 meters
 - ☒ D. 400 meters

Q.90 In March 2026, India hosted the 12th Steering Committee Meeting of which international anti-corruption network in New Delhi?

- Ans**
- ☐ A. International Anti-Corruption Academy (IACA)
 - ☒ B. Global Operational Network of Anti-Corruption Law Enforcement Authorities (GlobE Network)
 - ☐ C. Egmont Group of Financial Intelligence Units
 - ☐ D. Financial Action Task Force (FATF)

Q.91 A landmark defence pact between India and Russia came into force in early 2026, allowing reciprocal access to military bases. What is this agreement called?

- Ans**
- ☐ A. COMCASA (Communications Compatibility and Security Agreement)
 - ☐ B. BECA (Basic Exchange and Cooperation Agreement)
 - ☐ C. LEMOA (Logistics Exchange Memorandum of Agreement)
 - ☒ D. RELOS (Reciprocal Exchange of Logistics Support)

Q.92 What was the name of the mobile application launched by the Ministry of Social Justice & Empowerment in May 2026 to enhance safety, welfare, healthcare access, and social inclusion for senior citizens in India?

- Ans**
- ☐ A. SENIOR
 - ☐ B. JEEVIKA
 - ☐ C. SAHARA
 - ☒ D. JEEVAN

Q.93 In May 2026, which two Indian journalists, along with Bloomberg's Natalie Obiko Pearson, won the Pulitzer Prize in the Illustrated Reporting and Commentary category for a project exposing cybercrime in India?

- Ans**
- ☐ A. Anand RK and Aniruddha Ghosal
 - ☐ B. Suparna Sharma and Aniruddha Ghosal
 - ☒ C. Anand RK and Suparna Sharma
 - ☐ D. Aniruddha Ghosal and Ravish Kumar

Q.94 At the ISSF World Cup in Munich in May 2026, which shooter set a new World Record score of 43 to win gold in the Women's 25m Pistol event?

- Ans**
- ☐ A. Manu Bhaker
 - ☐ B. Shreyasi Singh
 - ☒ C. Esha Singh
 - ☐ D. Heena Sidhu

Q.95 The Union Budget 2026-27 announced "Biopharma SHAKTI" to develop India as a global biopharma hub. What does the acronym SHAKTI in Biopharma-SHAKTI stands for?

- Ans**
- ☐ A. Strategy for Healthcare Access through Knowledge, Training and Infrastructure
 - ☐ B. System for High-value Advancement through Knowledge Transfer and Innovation
 - ☐ C. Scheme for Health and Knowledge Advancement through Technology and Industry
 - ☒ D. Strategy for Healthcare Advancement through Knowledge, Technology and Innovation

Q.96 Which film actor received the Padma Bhushan award in the field of arts in January 2026?

- Ans**
- ☒ A. Mammooty
 - ☐ B. Rajinikanth
 - ☐ C. Kamal Haasan
 - ☐ D. Ranveer Singh

Q.97 The Transgender Persons (Protection of Rights) Amendment Bill, 2026, passed by the Parliament in March 2026, removed which major safeguard that had been recognised under the original 2019 Act?

- Ans**
- ☒ A. Recognition of self-perceived gender identity
 - ☐ B. Constitution of the National Council for Transgender Persons
 - ☐ C. Statutory protection against discrimination
 - ☐ D. Establishment of welfare and rehabilitation schemes

Q.98 Which long-term national vision does Jal Jeevan Mission 2.0, as reinforced in the April 2026 MoUs, align with?

- Ans**
- ☐ A. Make in India Vision
 - ☐ B. Digital India 2030
 - ☐ C. Swachh Bharat Mission 2.0
 - ☒ D. Viksit Bharat @2047

Q.99 Which former Olympic gold medalist received the Major Dhyan Chand Lifetime Achievement Award at the Hockey India Awards in March 2026?

- Ans**
- ☐ A. Ashok Dhyanchand
 - ☒ B. Zafar Iqbal
 - ☐ C. Harbinder Singh
 - ☐ D. PR Sreejesh

Q.100 As per the Union Budget 2025-26, the Foreign Direct Investment (FDI) limit for the insurance sector is to be raised for those companies which invest the entire premium in India from 74% to a maximum of _____.

- Ans**
- ☐ A. 90%
 - ☐ B. 80%
 - ☐ C. 95%
 - ☒ D. 100%



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 3 Wadi MIDC Techgressor Soft Solutions Pvt. Ltd. Nagpur
Test Date	11/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A scientist wants to ensure that a human zygote formed in a laboratory dish has the correct number of chromosomes. Number of chromosomes this zygote should have are:

- Ans ☒ A. 46
☐ B. 69
☐ C. 23
☐ D. 92

Q.2 Which sequence correctly represents the increase in concentration of a pesticide in a food chain?

- Ans ☐ A. Grass → Frog → Grasshopper → Snake → Hawk
☐ B. Grasshopper → Grass → Frog → Hawk → Snake
☒ C. Grass → Grasshopper → Frog → Snake → Hawk
☐ D. Hawk → Snake → Frog → Grasshopper → Grass

Q.3 When sodium hydroxide is dissolved in water, which type of ions are mainly responsible for making the solution basic?

- Ans ☐ A. Sodium ions (Na^+)
☐ B. Hydrogen ions (H^+)
☒ C. Hydroxide ions (OH^-)
☐ D. Carbonate ions (CO_3^{2-})

Q.4 What is the primary function of stomata in plant leaves during photosynthesis?

- Ans ☐ A. Maintain constant leaf temperature
☐ B. Absorption of Oxygen
☐ C. Prevent entry of CO_2
☒ D. Allow gaseous exchange

Q.5 Which statement best describes the primary evolutionary significance of fat storage in a camel's hump?

- Ans ☒ A. It provides a structural reserve supporting survival in extreme environments.
☐ B. It lowers body mass to facilitate rapid escape from desert predators.
☐ C. It alters anatomical characteristics to change taxonomic classification.
☐ D. It provides a direct substitute for milk production to feed offspring.

Q.6 If the resistance of a wire is doubled and same current flows through it for same time, heat produced will:

- Ans**
- ☐ A. Become half
 - ☒ B. Become double
 - ☐ C. Become four times
 - ☐ D. Remain same

Q.7 Which scenario best demonstrates an unbalanced force acting on an object?

- Ans**
- ☐ A. A picture hanging stationary on a wall
 - ☒ B. A soccer ball starts rolling after being kicked
 - ☐ C. A car parked at rest in a garage
 - ☐ D. A cup sitting on a desk not moving

Q.8 What is the effect of unbalanced forces on an object at rest?

- Ans**
- ☐ A. It always increases the mass of the object
 - ☐ B. It keeps the object at rest
 - ☐ C. It changes the color of the object
 - ☒ D. It causes the object to start moving

Q.9 A teacher uses two prisms placed in opposite orientations and passes a beam of white light through both. What is the expected outcome on a screen placed after the second prism?

- Ans**
- ☒ A. A single white patch appears on the screen
 - ☐ B. A spectrum with reversed color order forms
 - ☐ C. A black region appears where the beam ends
 - ☐ D. A new set of colors emerge beyond the original ones

Q.10 Which of the following best explains why ionic compounds are hard but brittle?

- Ans**
- ☐ A. They have a metallic lattice
 - ☒ B. Strong attractions make them hard; shifting layers break them apart
 - ☐ C. Weak attractions make them soft and flexible
 - ☐ D. They are liquids at room temperature

Q.11 Which of the following hydrocarbons will undergo an addition reaction most readily?

- Ans**
- ☐ A. Ethane
 - ☐ B. Methane
 - ☒ C. Ethene
 - ☐ D. Propane

Q.12 You are given three mixtures: muddy water, sugar solution, and milk. Which one is a suspension?

- Ans**
- ☐ A. Milk
 - ☒ B. Muddy water
 - ☐ C. Muddy Sugar
 - ☐ D. Sugar solution

Q.13 The cloudy appearance of soap solution is due to:

- Ans**
- ☐ A. Reflection of light by bubbles
 - ☐ B. Absorption of light by oil
 - ☐ C. Refraction of light by ions
 - ☒ D. Scattering of light by micelles

Q.14 According to Rutherford's model, positive charge is:

- Ans**
- ☐ A. Found in outer shells
 - ☐ B. Present with electrons
 - ☐ C. Spread uniformly in the atom
 - ☒ D. Concentrated at the centre

Q.15 What is the main function of the ozone layer in the upper part of the atmosphere?

- Ans**
- ☐ A. Increasing atmospheric carbon dioxide levels
 - ☐ B. Producing oxygen to support aerobic life
 - ☒ C. Absorbing ultraviolet radiation coming from the sun
 - ☐ D. Causing rainfall

Q.16 Which form of cancer has a high occurrence in India due to the use of gutkha?

- Ans**
- ☐ A. Prostate cancer
 - ☐ B. Bone cancer
 - ☐ C. Skin cancer
 - ☒ D. Oral cancer

Q.17 A group of students is designing a wheelchair ramp for their school entrance. According to the concept of a simple machine, which modification would make it easier to push a wheelchair to the same height?

- Ans**
- ☐ A. Adding friction material to the ramp surface to slow down movement
 - ☐ B. Making the ramp steeper by decreasing its length for the same height
 - ☐ C. Adding steps instead of a ramp to reach the same height
 - ☒ D. Increasing the length of the ramp while keeping its height constant

Q.18 A ray passing through the center of curvature of a concave mirror strikes the mirror. What is the path of the reflected ray?

- Ans**
- ☐ A. It diverges from the principal axis
 - ☐ B. It becomes parallel to the axis
 - ☐ C. It passes through the focus
 - ☒ D. It retraces its original path

Q.19 When a person standing underwater looks upward at a tree located on the bank, the tree appears to be at a position different from its original location. Which of the following principles is responsible for this apparent shift in the position?

- Ans**
- ☐ A. The tree image is formed due to diffraction at the water surface.
 - ☐ B. Light rays from the tree are reflected at the water surface.
 - ☐ C. Water disperses the light from the tree into different colors.
 - ☒ D. Light rays from the tree bend due to refraction at the water-air interface.

Q.20 The maximum number of electrons present in a shell is given by the formula: (here, 'n' is the orbit number)

- Ans**
- ☐ A. $2n$
 - ☐ B. $2n^3$
 - ☒ C. $2n^2$
 - ☐ D. $2n^{-2}$

Q.21 Refer to the two statements given below and choose the CORRECT option.

Statement A: A decomposition reaction occurs when a single compound breaks down into two or more simpler substances.

Statement B: Decomposition reactions always require the presence of oxygen.

- 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.22 Which of the following best describes a load?

- Ans**
- ☐ A. The force applied downward
 - ☐ B. The energy stored in a system
 - ☒ C. The object being moved or lifted
 - ☐ D. A machine used for lifting

Q.23 If a student wants to observe cells that are actively dividing to increase the length of a plant stem or root, which specific tissue should they examine under the microscope?

- Ans**
- ☐ A. Lateral meristem
 - ☒ B. Apical meristem
 - ☐ C. Permanent tissue
 - ☐ D. Intercalary meristem

Q.24 The right hand thumb rule is also known as _____.

- Ans**
- ☐ A. Fleming's rule
 - ☒ B. Maxwell's corkscrew rule
 - ☐ C. Faraday's rule
 - ☐ D. Ohm's rule

Q.25 A conservation biologist is prioritizing areas for protection. She notices a region with many species unique to that area, and much of its habitat has been destroyed. Based on definition, which term best describes this region?

- Ans**
- ☐ A. Endemic region
 - ☒ B. Biodiversity hotspot
 - ☐ C. Ecological niche
 - ☐ D. Biodiverse ecosystem

Section : Mathematics

Q.26 The average of 4 consecutive odd numbers is 36. The sum of the largest and smallest numbers among them is:

- Ans**
- ☐ A. 68
 - ☒ B. 72
 - ☐ C. 66
 - ☐ D. 74

Q.27 If the height and base radius of a cylinder are increased by 10% and by 5% respectively, then by what percent will its volume increase? (rounded off to 1 decimal place)

- Ans**
- ☒ A. 21.3%
 - ☐ B. 22.2%
 - ☐ C. 24.2%
 - ☐ D. 20.3%

Q.28 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 ₹3,548
 - ☒ B. decrease by ₹3,545
 - ☐ C. increase by ₹3,546
 - ☐ D. decrease by ₹3,550

Q.29 The mean marks obtained by 350 students in a subject are 75. The mean of top 100 students was found to be 85 and the mean of last 100 students was found to be 65. The mean marks of the remaining 150 students are:

- Ans**
- ☒ A. 75
 - ☐ B. 65
 - ☐ C. 85
 - ☐ D. 55

Q.30 A bank offers 4.5% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹8,138 each on 1 January and 1 July of a year. At the end of the year, the interest is: (correct to two decimal places)

- Ans**
- ☐ A. ₹540.05
 - ☒ B. ₹553.43
 - ☐ C. ₹538.12
 - ☐ D. ₹562.53

Q.31 Find the simple interest (in ₹) on a sum of ₹500 borrowed for 3.5 years at a rate of interest of 29% per annum.

- Ans**
- ☐ A. 400
 - ☐ B. 330
 - ☐ C. 450
 - ☒ D. 350

Q.32 The 7-digit number 45A216B is divisible by 3. What is the minimum value of (A + B)?

- Ans**
- ☐ A. 3
 - ☐ B. 2
 - ☒ C. 0
 - ☐ D. 5

Q.33 Raghu is 140 cm tall. He is standing 180 cm away from a lamp post. His shadow from the light is 70 cm long. Find the height of the lamp post.

- Ans**
- ☐ A. 350 cm
 - ☐ B. 250 cm
 - ☒ C. 500 cm
 - ☐ D. 300 cm

Q.34 A man spends ₹3654 per month and saves $12\frac{1}{2}\%$ of his income. His

- Ans**
- ☐ A. ₹4186
 - ☒ B. ₹4176
 - ☐ C. ₹4196
 - ☐ D. ₹4166

Q.35 What is the least value that must be assigned to A so that the number 717A0280 is divisible by 3?

- Ans ☐ A. 1
☒ B. 2
☐ C. 5
☐ D. 8

Q.36 If $\cos A = \frac{5}{13}$, and A is an acute angle, then the value of $\frac{\sin A}{\cos A}$ is:

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

Q.37 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 54% and 61%, shop II allows successive discounts of 17% and 49%, shop III allows successive discounts of 25% and 36% and shop IV allows successive discounts of 95%, 20% and 68% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans ☐ A. I
☐ B. II
☐ C. III
☒ D. IV

Q.38 A car travels at a constant speed of 40 km/hr for 30 minutes, followed by a constant speed of 60 km/h for the next 40 minutes. What is the car's average speed (in km/hr) over the entire journey, rounded off to two decimal places?

- Ans ☐ A. 54.67
☐ B. 53.72
☐ C. 50.34
☒ D. 51.43

Q.39 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 9 hours and pipe C can fill the same tank in 18 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

- Ans ☐ A. 2
☐ B. 4
☒ C. 1
☐ D. 3

Q.40 The mean and the mode of a set of data are 62.4 and 36.8, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

- Ans ☐ A. 54.2
☐ B. 55.5
☐ C. 55.8
☒ D. 53.9

Q.41 Two trains are running towards each other from station A and station B at speeds of 70 km/h and 80 km/h, respectively. When they meet each other, it is noticed that the second train covers 150 km more than the first train. What is the distance between the two stations?

- Ans**
- ☐ A. 2240 km
 - ☐ B. 2260 km
 - ☐ C. 2230 km
 - ☒ D. 2250 km

Q.42 Simplify: $\frac{\cot A + \operatorname{cosec} A - 1}{\cot A + 1 - \operatorname{cosec} A} - \frac{1}{\sin A} - \cot A$

- Ans**
- ☐ A. $\sin A$
 - ☐ B. 1
 - ☐ C. $\sec A$
 - ☒ D. 0

Q.43 A and B jointly start a business. The investment of A is equal to three times the investment of B. Find the share of A in the annual profit of ₹5,524.

- Ans**
- ☐ A. ₹4,113
 - ☐ B. ₹4,123
 - ☐ C. ₹4,133
 - ☒ D. ₹4,143

Q.44 On selling a laptop at a 10% loss and a desktop at a 15% gain, Rita gains ₹8,000 in total. If she sells the laptop at a 10% gain and the desktop at a 20% gain, she gains ₹20,000 in total. Find the cost price (in ₹) of the laptop.

- Ans**
- ☐ A. 36,000
 - ☐ B. 80,000
 - ☒ C. 40,000
 - ☐ D. 60,000

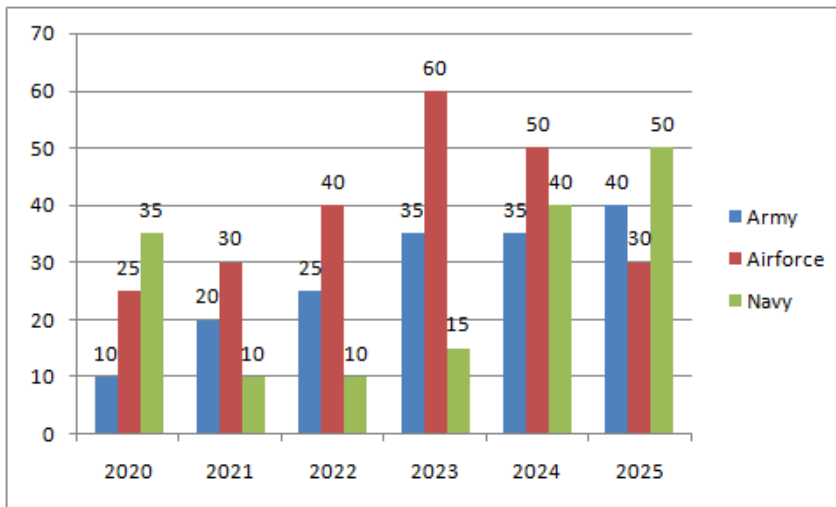
Q.45 A town's population increases by 25% every year. If the current population is 16,000, what will be the population after 3 years?

- Ans**
- ☐ A. 28,800
 - ☒ B. 31,250
 - ☐ C. 30,250
 - ☐ D. 32,000

Q.46 Find the area of a triangle whose vertices are A(3,2), B(11,6), and C(7,14).

- Ans**
- ☐ A. 42 unit²
 - ☐ B. 32 unit²
 - ☒ C. 40 unit²
 - ☐ D. 36 unit²

- Q.47** The following bar graph shows the number of soldiers recruited (in thousands) in three different forces in six different years. Study the following graph carefully to answer the question that follows.
 What was the percentage increase in the number of soldiers recruited in Airforce in the year 2022 as compared to the previous year?



- Ans** ☒ A. $30\frac{1}{3}\%$
☒ B. $32\frac{1}{3}\%$
☒ C. $31\frac{1}{3}\%$
☒ D. $33\frac{1}{3}\%$
- Q.48** The present ages of two brothers are in the ratio 3 : 5. After 12 years from now, their ages will be in the ratio 9 : 11. What is the current age of the younger brother?
- Ans** ☒ A. 18 years
☒ B. 10 years
☒ C. 12 years
☒ D. 6 years
- Q.49** Which of the following numbers is divisible by 9?
- Ans** ☒ A. 5,328
☒ B. 6,018
☒ C. 4,317
☒ D. 3,624
- Q.50** A man is 24 years older than his son. In two years from now, his age will be twice the age of his son. The present age of his son is
- Ans** ☒ A. 25 years
☒ B. 21 years
☒ C. 22 years
☒ D. 26 years

Q.51 Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. W has an exam on Friday. Only 2 people have an exam between W and Q. Y has an exam immediately before T and U has an exam immediately after R. Only 2 people have an exam between E and T. How many people have an exam after R?

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

Q.52 Refer to the given letter series and answer the question that follows. Counting to be done from left to right.

(Left) E D I S P V E I I S I A Q P W G U O I A E C (Right)

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

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

Q.53 In a certain code language,
A + B means 'A is the brother of B',
A - B means 'A is the daughter of B',
A × B means 'A is the wife of B', and
A ÷ B means 'A is the son of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

- Ans**
- ☐ A. Daughter's son
 - ☐ B. Son
 - ☐ C. Brother
 - ☒ D. Son's son

Q.54 What should come in place of the question mark (?) in the given series?

81 64 49 36 25 ?

- Ans**
- ☐ A. 14
 - ☒ B. 16
 - ☐ C. 18
 - ☐ D. 15

Q.55 Six people, X, Y, Z, W, V, and U, are sitting in a row, facing the north. Only two people sit to the right of X. V sits to the immediate left of U. Only Z sits between X and W. W does not sit at the extreme right end of the row. Who sits at the extreme right end of the row?

- Ans**
- ☐ A. X
 - ☐ B. V
 - ☐ C. Z
 - ☒ D. U

Q.56 Refer to the given number and symbol series and answer the question that follows.
All numbers are single-digit numbers only.

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

Ans ☒ A. 2

☐ B. 9

☐ C. 6

☐ D. 3

Q.57 16 is related to 255 following a certain logic. Following the same logic, 11 is related to 120. To which of the given options is 13 related, following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ☒ A. 168

☐ B. 158

☐ C. 148

☐ D. 138

Q.58 In a certain code language,
A + B means 'A is the son of B',
A – B means 'A is the sister of B',
A × B means 'A is the wife of B' and
A % B means 'A is the father of B'.

How is Shahid related to Ishant if 'Shahid + Gauri – Himesh % Jaya × Ishant'?

Ans ☐ A. Wife's mother's sister's son

☒ B. Wife's father's sister's son

☐ C. Wife's mother's brother's son

☐ D. Wife's father's brother's son

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. NLJ

☐ B. AXW

☐ C. DAZ

☐ D. RON

Q.60 Each vowel in the word NOTICE is changed to the fourth letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

Ans ☐ A. E

☐ B. A

☒ C. K

☐ D. T

Q.61 Each vowel in the word ABANDON is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the right in the new group of letters thus formed?

- Ans**
- ☐ A. B
 - ☐ B. M
 - ☒ C. P
 - ☐ D. C

Q.62 21 is related to 41 following a certain logic. Following the same logic, 33 is related to 65. To which of the given options is 45 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 93
 - ☐ B. 91
 - ☐ C. 87
 - ☒ D. 89

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 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. QT - NN
 - ☒ B. OH - LC
 - ☐ C. KR - HL
 - ☐ D. CN - ZH

Q.64 Six people, C, D, E, O, P and Q, are sitting in a row, facing north. Only two people sit to the left of E. Only two people sit between E and Q. Only one person sits between Q and D. O sits to the immediate left of P. How many people sit to the right of C?

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

Q.65 Rama started walking from point A. She walked for 4 km towards south. She took a left turn and walked for 6 km. Then she took a right turn and walked for 8 km. Again, she took a right turn and walked for 6 km. How far (shortest distance) and towards which direction should she walk in order to reach point A again?

- Ans**
- ☐ A. 12 km towards south
 - ☒ B. 12 km towards north
 - ☐ C. 8 km towards south
 - ☐ D. 8 km towards north

Q.66 G, H, J, K, L, and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. Only L lives above K. H lives immediately below K. Only G lives below J. How many people live below H?

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

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

$$8 \div 6 \times 15 + 3 - 5 = ?$$

- Ans**
- ☐ A. 42
 - ☐ B. 37
 - ☒ C. 48
 - ☐ D. 39

Q.68 This question is based on the given words.

PER KGS NUS DAM

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

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

Q.69 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Five people — A, B, C, D, and E — are sitting around a circular table, facing the centre. Who is sitting between A and C?

(I) B sits immediately to the right of A; D sits immediately to the right of B.

(II) E sits immediately to the left of C; D is not adjacent to A.

- Ans**
- ☐ A. Both statements I and II together are NOT sufficient to answer the question.
 - ☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☐ C. Data in statement II alone is sufficient to answer the question while data in statement I is not.
 - ☐ D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q.70 This question is based on the given words.

THIS KIND CORE FLOP

In each of the words, each letter is changed to the letter immediately preceding it in the English alphabetical order. How many words thus formed have at least one vowel?

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

Q.71 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?

$$89 \text{ C } 72 \text{ A } 12 \text{ B } 4 \text{ D } 25 = ?$$

- Ans**
- ☒ A. 88
 - ☐ B. 83
 - ☐ C. 85
 - ☐ D. 87

Q.72 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

OJV : LGS

EOQ : BLN

- Ans**
- ☐ A. KHG : GEC
 - ☒ B. ING : FKD
 - ☐ C. EHL : CFI
 - ☐ D. TEL : OAI

Q.73 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DFJ MOS VXB EGK ?

- Ans**
- ☐ A. NOS
 - ☐ B. NQS
 - ☒ C. NPT
 - ☐ D. NOQ

Q.74 Each of A, B, C, D, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only three people have exams between R and D. D has the exam on the last day of the week. B has the exam on the second day after A. C has the exam immediately the day before P. Q does not have the exam on Friday.

How many people have the exam after Q?

- Ans**
- ☐ A. Two
 - ☐ B. Five
 - ☒ C. Six
 - ☐ D. Three

Q.75 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$53 - 4 \div 18 + 64 \times 8 = ?$$

- Ans**
- ☐ A. 217
 - ☒ B. 222
 - ☐ C. 219
 - ☐ D. 231

Q.76 Pooja starts from Point A and drives 18 km towards the south. She then takes a right turn, drives 12 km, turns right and drives 25 km. She then takes a right turn and drives 13 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? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ A. 1 km to the west
 - ☐ B. 2 km to the west
 - ☐ C. 2 km to the east
 - ☐ D. 1 km to the east

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.

KNS : HPV
LLL : INO

- Ans**
- ☒ A. RJW : OLY
 - ☒ B. MKP : JMR
 - ☒ C. LVW : IWZ
 - ☒ D. FPI : CRL

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 soaps are cubs.
Some cubs are fruits.

Conclusions:
(I) Some soaps are fruits.
(II) All fruits 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.79 LORU is related to NQTW in a certain way based on the English alphabetical order. In the same way, GHKL is related to IJMN. To which of the following options is ZCFI related, following the same logic?

- Ans**
- ☒ A. BEHK
 - ☒ B. BHKO
 - ☒ C. BHER
 - ☒ D. BHYU

Q.80 Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

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

If all the numbers are dropped from the series, which of the following will be sixth from the left?

- Ans**
- ☒ A. %
 - ☒ B. ^
 - ☒ C. \$
 - ☒ D. #

Section : General Awareness and Current Affairs

Q.81 Which player won the Most Valuable Player of the season award in the Indian Premier League 2026 cricket tournament?

- Ans**
- ☒ A. Kartik Sharma
 - ☒ B. Vaibhav Suryavanshi
 - ☒ C. Dewald Brewis
 - ☒ D. Shivang Kumar

Q.82 Which city hosted the 6th Asian Beach Games from 22nd to 30th April 2026?

- Ans**
- ☒ A. Sanya
 - ☐ B. Hangzhou
 - ☐ C. Beijing
 - ☐ D. Guangzhou

Q.83 Which mission was associated with the launch of the communication satellite of AST SpaceMobile during the sixth operational flight of the LVM3 launch vehicle conducted by the Indian Space Research Organisation (ISRO) in December 2025?

- Ans**
- ☐ A. Chandrayaan-3 Mission
 - ☒ B. LVM3-M6 / BlueBird Block-2 Mission
 - ☐ C. OneWeb Launch Mission
 - ☐ D. LVM3-M5 / CMS-03 Mission

Q.84 In 2026, Chhari-Dhand in Gujarat was in the news after receiving which international environmental recognition?

- Ans**
- ☐ A. UNESCO Biosphere Reserve status
 - ☒ B. Ramsar Site designation
 - ☐ C. Global Tiger Habitat status
 - ☐ D. World Heritage Site recognition

Q.85 The Digital Personal Data Protection (DPDP) Act, 2023, and its 2025 Rules provide "verifiable parental consent" to safeguard children. Which of the following online practices is explicitly PROHIBITED under this framework?

- Ans**
- ☐ A. Collecting geolocation data for emergency services with parental consent.
 - ☐ B. Sharing anonymized data with third parties for academic research.
 - ☐ C. Processing a child's data after automated age-gating protocols.
 - ☒ D. Behavioral monitoring and targeted advertising directed at children.

Q.86 The 2026 ICC Men's T20 World Cup, a premier international cricket tournament, was co-hosted by which two cricketing nations?

- Ans**
- ☐ A. Australia and New Zealand
 - ☐ B. West Indies and United States
 - ☐ C. England and Wales
 - ☒ D. India and Sri Lanka

Q.87 Which country had organised the WTO's Fourteenth Ministerial Conference (MC14) conducted in Yaoundé from March 26 to March 30, 2026?

- Ans**
- ☐ A. Switzerland
 - ☒ B. Cameroon
 - ☐ C. South Africa
 - ☐ D. Kenya

Q.88 In May 2026, in which Indian state did the Bharatiya Janata Party form its government for the first time?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Odisha
 - ☐ C. Kerala
 - ☒ D. West Bengal

Q.89 In May 2026, which Indian athlete became the first Indian sprinter to run the men's 100 m event in less than 10.10 seconds?

- Ans**
- ☐ A. Tejaswin Shankar
 - ☒ B. Gurindervir Singh
 - ☐ C. Vishal T. K.
 - ☐ D. Gulveer Singh

Q.90 Where was the 4th edition of the India-Sri Lanka bilateral diving exercise (IN-SLN DIVEX 2026) conducted in April 2026?

- Ans**
- ☒ A. Colombo, Sri Lanka
 - ☐ B. Visakhapatnam, India
 - ☐ C. Trincomalee, Sri Lanka
 - ☐ D. Kochi, India

Q.91 In May 2026, India rejected the ruling of which international body regarding the Indus Waters Treaty dispute?

- Ans**
- ☒ A. Permanent Court of Arbitration tribunal at The Hague
 - ☐ B. International Tribunal for the Law of the Sea panel
 - ☐ C. International Criminal Court judicial review chamber
 - ☐ D. United Nations Security Council sanctions committee

Q.92 What absolute financial amount was designated for the welfare of women and girls in the Gender Budget Statement for FY 2026-27?

- Ans**
- ☐ A. ₹3.50 lakh crore
 - ☐ B. ₹5.41 lakh crore
 - ☒ C. ₹5.00 lakh crore
 - ☐ D. ₹4.49 lakh crore

Q.93 In April 2026, the Government of India reconstituted which national policy think tank by appointing Ashok Lahiri as its Vice-Chairman?

- Ans**
- ☐ A. Finance Commission
 - ☒ B. NITI Aayog
 - ☐ C. National Development Council
 - ☐ D. National Statistical Commission

Q.94 Which firm Receives 'Special Recognition Award' for Pioneering Work in Cell & Gene Therapy at BioSpectrum India Excellence Awards 2025?

- Ans**
- ☐ A. Bharat Biotech
 - ☐ B. Serum Institute
 - ☐ C. Reliance Life Sciences
 - ☒ D. Miltenyi Biotec India Pvt. Ltd

Q.95 Cyclone Montha, which impacted India in October 2025, made landfall along the coast of which state?

- Ans**
- ☒ A. Andhra Pradesh
 - ☐ B. Odisha
 - ☐ C. Tamil Nadu
 - ☐ D. West Bengal

Q.96 In February 2026, the RBI continued which monetary policy stance while announcing the bi-monthly monetary policy review?

- Ans**
- ☐ A. Retained the tightening policy stance
 - ☐ B. Retained the accommodative policy stance
 - ☒ C. Retained the neutral policy stance
 - ☐ D. Retained the expansionary policy stance

Q.97 Who has taken over as the President of the Confederation of Indian Industry for the 2026-27 term?

- Ans**
- ☒ A. R Mukundan
 - ☐ B. Ashok Lahiri
 - ☐ C. Arvind Panagariya
 - ☐ D. Rajiv Memani

Q.98 The naval vessel Yard 1280 (Shachi) was launched on 31 March 2026 in which of the following states?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Maharashtra
 - ☒ C. Goa
 - ☐ D. Andhra Pradesh

Q.99 In January 2026, India observed a day with solemn ceremonies and tributes at Rajghat, remembering a leader's sacrifice. Which date is officially marked for this national remembrance?

- Ans**
- ☒ A. Martyr's Day
 - ☐ B. Good Governance Day
 - ☐ C. National Integration Day
 - ☐ D. Constitution Day

Q.100 At which location was the Exercise Vayushakti-2026 conducted in February 2026?

- Ans**
- ☐ A. Hindon Air Force Station, Uttar Pradesh
 - ☐ B. Air Force Station Jodhpur, Rajasthan
 - ☒ C. Pokhran Field Firing Range, Jaisalmer, Rajasthan
 - ☐ D. Suryalanka Air Force Station, Andhra Pradesh



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Albert Road
Test Date	11/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 According to the first law of motion, what will happen to a ball rolling on a smooth, horizontal surface if no external force acts on it?

- Ans**
- ☐ A. The ball will speed up on its own.
 - ☐ B. The ball will change its direction automatically.
 - ☐ C. The ball will gradually slow down and stop by itself.
 - ☒ D. The ball will continue to roll at a constant speed in the same direction.

Q.2 A woman undergoes IVF, and the fertilised egg is implanted in her uterus. Which of these marks the clinical beginning of her pregnancy in this scenario?

- Ans**
- ☐ A. Initial division of the zygote
 - ☒ B. Implantation of the fertilised egg
 - ☐ C. Manual fertilisation in the lab
 - ☐ D. Natural ovulation of the egg

Q.3 A vehicle of mass M travels at velocity V . If its kinetic energy increases by a factor of 9, how much does its velocity change?

- Ans**
- ☐ A. The velocity is increased nine times
 - ☒ B. The velocity is tripled
 - ☐ C. The velocity is quadrupled
 - ☐ D. The velocity is doubled

Q.4 If a musical instrument produces a sound with a frequency of 200 Hz, which of the following frequencies will produce a sound of higher pitch than this instrument?

- Ans**
- ☐ A. 180 Hz
 - ☒ B. 350 Hz
 - ☐ C. 150 Hz
 - ☐ D. 120 Hz

Q.5 Which metal forms a protective oxide layer on its surface when heated in air, preventing further oxidation?

- Ans**
- ☐ A. Copper
 - ☐ B. Iron
 - ☐ C. Sodium
 - ☒ D. Aluminium

Q.6 A wire of resistance 10 ohms is connected to a 12 V battery. If another identical wire is connected in parallel to the first, what is the total power consumed by both wires together?

- Ans**
- ☐ A. 1.44 W
 - ☒ B. 28.8 W
 - ☐ C. 14.4 W
 - ☐ D. 120 W

Q.7 A teacher asks students to draw the structure of butane and isobutane. What is the main difference between these two molecules?

- Ans**
- ☐ A. Both are cyclic hydrocarbons
 - ☐ B. Butane contains an aromatic ring, isobutane does not
 - ☐ C. Isobutane has fewer carbon atoms than butane
 - ☒ D. Butane is a straight-chain, while isobutane is a branched-chain isomer

Q.8 Which physical quantity is defined as the rate of change of velocity with respect to time?

- Ans**
- ☐ A. Displacement
 - ☐ B. Distance travelled
 - ☐ C. Speed
 - ☒ D. Acceleration

Q.9 The cleaning action of detergents is most effective in:

- Ans**
- ☐ A. Acidic medium
 - ☐ B. Neutral medium
 - ☐ C. Highly acidic medium
 - ☒ D. Alkaline medium

Q.10 In a solution, which observation suggests a chemical change has taken place?

- Ans**
- ☐ A. Dissolving of solid
 - ☐ B. Increase in temperature only
 - ☒ C. Formation of a precipitate
 - ☐ D. Uniform mixing of substances

Q.11 What is the angle between the incident and emergent rays called in the context of a prism?

- Ans**
- ☐ A. The angle of incidence
 - ☒ B. The angle of deviation
 - ☐ C. The angle of refraction
 - ☐ D. The angle of emergence

Q.12 A convex lens forms a real, inverted image three times larger than the object. If the object is placed 30 cm from the lens, what is the closest approximate value of the power of the lens?

- Ans**
- ☐ A. +2 D
 - ☐ B. +1 D
 - ☒ C. +4.44 D
 - ☐ D. +3.2 D

Q.13 Different acids show similar chemical properties because they all produce which of the following ions in aqueous solution?

- Ans
- ☐ A. Sodium ions
 - ☐ B. Hydroxide ions
 - ☐ C. Chlorine ions
 - ☒ D. Hydrogen ions

Q.14 Thomson's model could not explain:

- Ans
- ☐ A. Electron presence
 - ☐ B. Atom's neutrality
 - ☐ C. Atom's mass
 - ☒ D. Rutherford's experiment results

Q.15 What causes plant cells to change shape during movement?

- Ans
- ☒ A. Water content
 - ☐ B. Light energy
 - ☐ C. Special proteins
 - ☐ D. Temperature

Q.16 Atoms of the elements would react so as to achieve an _____ of the configuration in the outermost shell.

- Ans
- ☒ A. octet
 - ☐ B. heptet
 - ☐ C. triplet
 - ☐ D. duplet

Q.17 In humans, which reproductive cell possesses a tail that helps it swim toward the egg?

- Ans
- ☒ A. Sperm
 - ☐ B. Zygote
 - ☐ C. Egg
 - ☐ D. Embryo

Q.18 A physician in a hilly village notices that bedrooms near the mountain base feel cooler at night. Which atmospheric process best explains this observation?

- Ans
- ☐ A. Cool air moving as land breeze
 - ☒ B. Cold air descending as mountain breeze
 - ☐ C. Warm air rising as valley breeze
 - ☐ D. Moist air flowing as sea breeze

Q.19 Which of the following statements is correct about energy flow in an ecosystem?

- Ans
- ☒ A. Energy flows in one direction in the ecosystem
 - ☐ B. Energy is recycled by decomposers within the ecosystem
 - ☐ C. Energy remains constant within the ecosystem
 - ☐ D. Most energy is used for building biomass within the ecosystem

Q.20 In a grassland food web, grass is eaten by rabbits and insects. Frogs eat insects, while foxes eat rabbits. If insect population declines sharply, which effect is most likely?

- Ans
- ☐ A. Rabbit population will diminish
 - ☐ B. Grass population will perish
 - ☒ C. Frog population will suddenly decrease
 - ☐ D. Fox population will increase rapidly

Q.21 While reviewing classification systems, a biologist notes confusion in placing amoeba in the two-kingdom system. Which key feature caused this confusion?

- Ans**
- ☐ A. Amoeba has a true nucleus and is autotrophic
 - ☒ B. Amoeba is unicellular, moves and is heterotrophic
 - ☐ C. Amoeba is photosynthetic and multicellular
 - ☐ D. Amoeba lacks a cell wall and is stationary

Q.22 Which quantity indicates the factor by which a simple machine multiplies the applied force?

- Ans**
- ☒ A. Mechanical advantage
 - ☐ B. Efficiency
 - ☐ C. Input work
 - ☐ D. Velocity ratio

Q.23 What are the tiny balloon-like structures located at the end of the smallest tubes in the human lungs called?

- Ans**
- ☐ A. Villi
 - ☒ B. Alveoli
 - ☐ C. Bronchioles
 - ☐ D. Bronchi

Q.24 Which setup is most likely to produce a larger induced current in a coil?

- Ans**
- ☐ A. Using fewer turns of wire in the coil
 - ☒ B. Using more turns of wire in the coil
 - ☐ C. Using a smaller magnet
 - ☐ D. Moving the magnet more slowly

Q.25 Which of the following observations correctly represents corrosion of a metal?

- Ans**
- ☒ A. Iron develops reddish-brown surface layer
 - ☐ B. Aluminium breaks under mechanical load
 - ☐ C. Copper wire melts when strongly heated
 - ☐ D. Silver dissolves completely in water

Section : Mathematics

Q.26 The sizes of bags sold in a store during a day are given below:

10, 4, 6, 8, 7, 4, 8, 2, 9, 5, 4, 6, 9

Find the mode of the data.

- Ans**
- ☐ A. 2
 - ☒ B. 4
 - ☐ C. 5
 - ☐ D. 1

Q.27 In a survey, 4 people rated a product 5 and 6 people rated it 3. What is the weighted average rating?

- Ans**
- ☒ A. 3.8
 - ☐ B. 4.0
 - ☐ C. 3.5
 - ☐ D. 4.2

Q.28 A person finds that the compound interest on a sum at 5% per annum for three years is greater than the simple interest by ₹61. What is the sum?

- Ans ☒ A. ₹8,000
☐ B. ₹8,200
☐ C. ₹7,890
☐ D. ₹9,400

Q.29 With an average speed of 60 kmph, a bus reaches its destination on time. If it goes at an average speed of 55 kmph, then it is late by 10 minutes. The total distance of the journey is:

- Ans ☐ A. 120 km
☒ B. 110 km
☐ C. 100 km
☐ D. 70 km

Q.30 If a 7-digit number 29009A6 is completely divisible by 7, what is the least value of A?

- Ans ☐ A. 1
☐ B. 5
☒ C. 2
☐ D. 9

Q.31 Ramesh travels with the speed of 60 km per hour for the first 2 hours. For the next two hours, he travels with a speed of 50 km per hour. Find the average speed (in km per hour) of his entire journey.

- Ans ☐ A. 65
☒ B. 55
☐ C. 60
☐ D. 50

Q.32 A merchant buys 10 identical items at a total cost of ₹6,000. He sells and the remaining 4 at a 10% loss. Find the overall profit or loss per cent



- Ans ☐ A. 10% profit
☐ B. 5% loss
☐ C. 10% loss
☒ D. 5% profit

Q.33 In triangle ABC, $\angle A = 30^\circ$, $\angle B = 60^\circ$ and $\angle C = 90^\circ$. In triangle DEF, $\angle D = 30^\circ$, $\angle E = 60^\circ$ and $\angle F = 90^\circ$. If $AB:DE = 2:3$, what is the ratio of the areas of the two triangles?

- Ans ☒ A. 4:9
☐ B. 1:2
☐ C. 2:1
☐ D. 3:5

Q.34 Find the value of $\sin^2 10^\circ + \sin^2 80^\circ + \tan^2 45^\circ + \sec^2 60^\circ + \sin^2 30^\circ$.

- Ans ☐ A. $\frac{25}{3}$
☒ B. $\frac{25}{4}$
☐ C. $\frac{20}{3}$
☐ D. $\frac{15}{2}$

Q.35 The salary of an employee decreased from ₹50,000 to ₹45,000. Find the percentage decrease in salary.

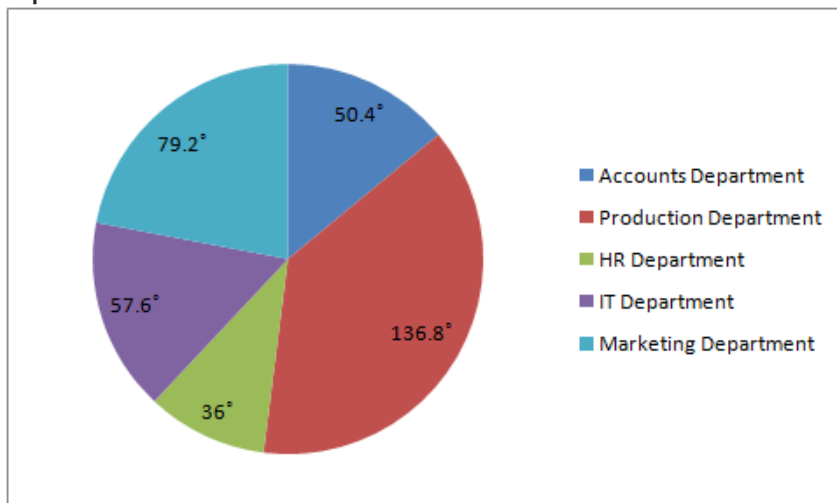
- Ans**
- ☒ A. 8%
 - ☒ B. 12%
 - ☒ C. 15%
 - ☒ D. 10%

Q.36 If the mean of the following data is 46, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	36	20	29	26	x

- Ans**
- ☒ A. 210
 - ☒ B. 209
 - ☒ C. 206
 - ☒ D. 190

Q.37 The following pie chart shows the degree-wise distribution of 4800 employees working in various departments of an organization, and the ratio of number of men to number of women is 3:5. What is the number of men working in the HR department?



- Ans**
- ☒ A. 198
 - ☒ B. 196
 - ☒ C. 180
 - ☒ D. 194

Q.38 The income of Raman 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. decrease by ₹1,428
 - ☒ B. decrease by ₹1,427
 - ☒ C. increase by ₹1,430
 - ☒ D. increase by ₹1,429

- Q.39** The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 90% and 61%, shop II allows successive discounts of 15% and 98%, shop III allows successive discounts of 28% and 99%, and shop IV allows successive discounts of 91%, 37%, and 95% on the marked price of the cooker.
Which shop is selling the cooker at the lowest price?

Ans ☒ A. IV
☐ B. I
☐ C. III
☐ D. II

- Q.40** If 64 identical small spheres are made out of a big sphere of diameter :



Ans ☐ A. $14\pi\text{cm}^2$
☐ B. $2\pi\text{cm}^2$
☐ C. $12\pi\text{cm}^2$
☒ D. $16\pi\text{cm}^2$

- Q.41** The 7-digit number 39A122B is divisible by 3. What is the minimum value of (A + B)?

Ans ☐ A. 2
☐ B. 6
☐ C. 3
☒ D. 1

- Q.42** Padmini borrowed a certain amount for 5 years at the simple interest rate of 10% per annum. If the total amount to be paid after 5 years is ₹24,000, then find the principal amount.

Ans ☐ A. ₹15,800
☒ B. ₹16,000
☐ C. ₹18,000
☐ D. ₹17,400

- Q.43** If $\sin A + \cos A = m$, then what is the value of $\sin^4 A + \cos^4 A$?

Ans ☐ A. $1 + \frac{(1-m^2)}{2}$
☒ B. $1 - \frac{(1-m^2)^2}{2}$
☐ C. $1 + \frac{(1-m^2)^2}{2}$
☐ D. $1 - \frac{(1-m^2)}{2}$

- Q.44** Four numbers a, b, c, d are in proportion. If a = 32, b = 72, and c = 180, what is the value of d?

Ans ☐ A. 410
☐ B. 400
☐ C. 415
☒ D. 405

Q.45 Krish has ₹1681 with him. He divided it amongst his sons Veer and Nitin and asked them to invest it at 5% rate of compound interest per annum, compounded annually. It was seen that Veer and Nitin got same amount after 12 and 13 years respectively. How much (in ₹) did Krish give to Veer?

- Ans** ☒ A. 861
☐ B. 920
☐ C. 820
☐ D. 711

Q.46 Some laddoos are packed in four boxes, A, B, C, and D, in the ratio 5:6:8:3. If box C has 225 more laddoos than box A, how many laddoos are there in box D?

- Ans** ☐ A. 375
☐ B. 300
☐ C. 275
☒ D. 225

Q.47 Evaluate: $16 - 5 \times 4 + 5$

- Ans** ☐ A. 3
☒ B. 1
☐ C. 0
☐ D. -1

Q.48 A can complete a piece of work alone in 10 days, and B can complete it alone in 30 days. They work together for 6 days. Then A leaves, and B works alone for 4 more days. What fraction of the work still remains unfinished?

- Ans** ☐ A. $\frac{2}{15}$
☒ B. $\frac{1}{15}$
☐ C. $\frac{1}{5}$
☐ D. $\frac{1}{10}$

Q.49 The dimensions of a cuboid are in the ratio 1 : 2 : 3. If the length of the space diagonal of the cuboid is $\sqrt{56}$ cm, find the volume of the cuboid.

- Ans** ☐ A. 84 cm^3
☐ B. 45 cm^3
☒ C. 48 cm^3
☐ D. 46 cm^3

Q.50 5 years ago, the age of a mother was 12 years more than thrice her daughter's age. After how many years from now, will she be thrice her daughter's age?

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

Q.51 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

6 - 21

8 - 27

- Ans**
- ☒ A. 13 - 24
 - ☒ B. 7 - 22
 - ☒ C. 12 - 61
 - ☒ D. 9 - 30

Q.52 144 is related to 12 following a certain logic. Following the same logic, 225 is related to 15. To which of the given options is 169 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☒ A. 13
 - ☒ B. 15
 - ☒ C. 12
 - ☒ D. 14

Q.53 This question is based on the six, 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. 9
 - ☒ B. 13
 - ☒ C. 10
 - ☒ D. 8

Q.54 Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only three people have exam between U and O. O has exam on the last day of the week. Only one person has exam between B and R. T has exam immediately the day before E. L does not have exam on Friday. How many people have exam between L and T?

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

Q.55 Aparna started from a hotel and walked 4 m towards the west. She then took a right turn and walked 6 m before taking a left turn and walking 10 m. She finally took a left turn, walked 6 m and reached her house. What is the shortest distance between her house and the hotel?

- Ans**
- ☒ A. 20 m
 - ☒ B. 14 m
 - ☒ C. 18 m
 - ☒ D. 12 m

Q.56 Refer to the given letter, number and symbol series and answer the question that follows. Counting to be done from left to right.

(Left) F 5 E @ D L N % 8 B * R Z 6 Q 3 # P N 4 Y 7 & K A (Right)

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

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

Q.57 Each vowel in the word CONNECT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans**
- ☒ A. L
 - ☒ B. N
 - ☒ C. O
 - ☒ D. M

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. VZ-WA
 - ☒ B. TX-UY
 - ☒ C. SW-TX
 - ☒ D. EI-EL

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. PNK
 - ☒ B. HFC
 - ☒ C. JHE
 - ☒ D. LJK

Q.60 What should come in place of ? in the given series based on the English alphabetical order?
RQY OSX LUW IWV ?

- Ans**
- ☒ A. FYU
 - ☒ B. EXU
 - ☒ C. DYV
 - ☒ D. EXV

Q.61 If + means $\times$, $\times$ means $\div$, and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$13 - 16 \div 22 + 87 \times 3 = ?$$

- Ans**
- ☐ A. 219
 - ☐ B. 246
 - ☐ C. 233
 - ☒ D. 201

Q.62 Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.
D sits to the immediate left of P. C sits to the immediate left of Q. O sits third to the left of P.
Who sits third to the right of E?

- Ans**
- ☐ A. P
 - ☐ B. Q
 - ☐ C. O
 - ☒ D. C

Q.63 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among 5 poles, D, R, C, Z and Y each having a different height, which pole is the tallest?

- (I) D is taller than only two poles. R is immediately taller than Y
(II) Z is taller than Y

- Ans**
- ☐ A. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.
 - ☐ B. Both statements (I) and (II) together are sufficient to answer the question.
 - ☐ C. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.
 - ☒ D. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient.

Q.64 GKUB is related to LPZG in a certain way based on the English alphabetical order. In the same way, LIHM is related to QNMR. To which of the following is AJSU related to following the same logic?

- Ans**
- ☐ A. EPXY
 - ☐ B. FPYY
 - ☒ C. FOXZ
 - ☐ D. EOYZ

Q.65 Refer to the given number and symbol series and answer the question that follows.
All numbers are single-digit numbers only.

(Left) 9 \$ 2 # 8 & 3 @ 1 % 6 * 7 (Right)

If all the numbers are dropped, which of the following elements will be fourth from the left?

- Ans**
- ☐ A. #
 - ☐ B. \$
 - ☐ C. &
 - ☒ D. @

Q.66 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: FEI :: POS : %

- Ans**
- ☐ A. # = EFJ , % = QPT
 - ☐ B. # = EDH , % = QOU
 - ☒ C. # = EDH , % = QPT
 - ☐ D. # = EDG , % = POS

Q.67 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', and
A @ B means 'A is the father of B'.

How is S related to U if 'S # M – H % Y @ U'?

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

Q.68 Kishan starts from Point A and drives 34 km towards the north. He then takes a right turn, drives 44 km, turns right and drives 46 km. He then takes a right turn and drives 51 km. He takes a final right 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-degree turns only unless specified.)

- Ans**
- ☒ A. 7 km to the east
 - ☐ B. 6 km to the west
 - ☐ C. 9 km to the east
 - ☐ D. 4 km to the east

Q.69 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BEB :: TWT : %

- Ans**
- ☐ A. # = FKH , % = PSP
 - ☐ B. # = FIE , % = ORO
 - ☒ C. # = FIF , % = PSP
 - ☐ D. # = FIF , % = PRQ

Q.70 The position(s) of how many letters will remain unchanged if each letter in the word DANGEROUS is arranged in the English alphabetical order?

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

Q.71 Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. F is kept immediately above Y. B is kept immediately above G. Only R is kept above H. Only two boxes are kept above F. B is not kept at third position from the bottom. How many boxes are kept below H?

- Ans** ☒ A. 5
☐ B. 4
☐ C. 2
☐ D. 3

Q.72 This question is based on the five, three-digit numbers given below.

(Left) 614 823 579 302 486 (Right)

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

How many numbers have the second digit greater than the first digit?

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

Q.73 What should come in place of the question mark (?) in the given series?

715 747 763 795 811 843 ?

- Ans** ☐ A. 861
☐ B. 866
☒ C. 859
☐ D. 853

Q.74 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6342718, what will be the sum of the digits that are second from the left and second from the right?

- Ans** ☐ A. 7
☐ B. 5
☒ C. 6
☐ D. 4

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 × B means 'A is the son of B' and
A ÷ B means 'A is the sister of B'.

How is S related to N if 'S – T + U ÷ V × N'?

- Ans** ☐ A. Sister's husband
☐ B. Mother's brother
☒ C. Husband's brother
☐ D. Daughter's husband

Q.76 H, I, J, K, L, and M are sitting around a circular table facing the center. K sits to the immediate right of J. Only two people sit between I and M when counted from the left of I. L sits to the immediate right of H. H is not an immediate neighbor of I. Who sits to the immediate left of J?

- Ans** ☐ A. L
☒ B. I
☐ C. M
☐ D. H

Q.77 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) 3 6 6 7 8 4 3 1 2 3 2 1 4 4 6 7 4 4 3 5 6 5 3 4 3 8 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. 4
 - ☐ B. 2
 - ☒ C. 3
 - ☐ D. 5

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 pink are blue.

All blue are sky.

Conclusions:

(I) Some sky are blue.

(II) Some sky are pink.

- 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.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?

72 D 8 B 4 C 5 A 15 = ?

- Ans
- ☐ A. 8
 - ☐ B. 12
 - ☒ C. 4
 - ☐ D. 10

Q.80 Seven boxes, G, H, I, J, O, K, and L, are kept one over the other, but not necessarily in the same order. Only O is kept above L. Only two boxes are kept between L and G. Only I is kept below J. K is not kept immediately above G. How many boxes are kept between H and I?

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

Section : General Awareness and Current Affairs

Q.81 The Bio-AI initiative launched by the Government of India in 2026 mainly aims to accelerate progress in which of the following areas?

- Ans
- ☐ A. Replacement of pharmaceutical research with fully autonomous industrial production systems
 - ☐ B. Promotion of fossil-fuel-based industrial technologies through algorithmic resource optimisation
 - ☐ C. Expansion of conventional mineral exploration activities through automated geological surveys
 - ☒ D. Development of advanced biological products and manufacturing processes using data-driven research tools

- Q.82** At the 2026 Barebow Asia Championship, which country's men's barebow team set a new archery world record with a score of 1864 points?
- Ans** ☐ A. United States
☐ B. South Korea
☐ C. Japan
☒ D. Malaysia
- Q.83** How many gold medals did the Indian U-15 girls team win at the Asian Boxing U-15 Championship, 2026?
- Ans** ☒ A. 7
☐ B. 5
☐ C. 4
☐ D. 12
- Q.84** Who is the author of the book 'On Earth as It Is Beneath'?
- Ans** ☐ A. Valeria Luiselli
☐ B. Olga Tokarczuk
☒ C. Ana Paula Maia
☐ D. Fernanda Trías
- Q.85** According to the Reserve Bank of India's Payments System Report released in 2026, which payment system accounted for the highest share of transaction volume in India?
- Ans** ☐ A. National Electronic Funds Transfer (NEFT)
☐ B. Real-Time Gross Settlement (RTGS)
☐ C. Immediate Payment Service (IMPS)
☒ D. Unified Payments Interface (UPI)
- Q.86** Under the Union Budget 2026-27, the Government of India proposed the launch of which scheme aimed at developing India into a global biopharma manufacturing hub?
- Ans** ☐ A. Pharma Vision 2047
☐ B. BioNex India Mission
☐ C. National Bioscience Acceleration Programme
☒ D. Biopharma SHAKTI
- Q.87** Which ministry in collaboration with the All India Ayurvedic Congress organized the four-day National Arogya Fair 2026 at Shegaon in Buldhana district, Maharashtra?
- Ans** ☐ A. Ministry of Education
☒ B. Ministry of AYUSH
☐ C. Ministry of Rural Development
☐ D. Ministry of Tribal Affairs
- Q.88** In January 2026, which of the following organisations published The Global Risks Report 2026?
- Ans** ☐ A. World Health Organization
☐ B. United Nations Conference on Trade and Development
☒ C. World Economic Forum
☐ D. International Monetary Fund

Q.89 During which edition of the Foundation Day celebrations of Jawaharlal Nehru Port Authority (JNPA) did government of India launch the Logistics Port Performance Index (LPPI) in May 2026?

- Ans**
- ☐ A. 67th
 - ☐ B. 47th
 - ☒ C. 37th
 - ☐ D. 57th

Q.90 India successfully conducted the flight trial of an Advanced Agni missile equipped with a Multiple Independently Targeted Re-entry Vehicle (MIRV) system on 8 May 2026 from which of the following locations?

- Ans**
- ☐ A. Pokhran Test Range, Rajasthan
 - ☐ B. Sriharikota Space Centre, Andhra Pradesh
 - ☐ C. Balasore Missile Testing Facility, West Bengal
 - ☒ D. Dr APJ Abdul Kalam Island, Odisha

Q.91 What is India's rank in the 'Corruption Perceptions Index (CPI) 2025' released in February 2026?

- Ans**
- ☐ A. 101
 - ☒ B. 91
 - ☐ C. 80
 - ☐ D. 75

Q.92 Which of the following political personalities became Chief Minister for the first time in 2026, marking a significant political development associated with the rise of a newly formed regional party?

- Ans**
- ☒ A. Joseph Vijay
 - ☐ B. Samrat Choudhary
 - ☐ C. Suvendu Adhikari
 - ☐ D. Rekha Gupta

Q.93 Which platform showcased next-generation electronics and semiconductor innovation led by DRDO in 2025?

- Ans**
- ☐ A. Defence Technology Exhibition 2025
 - ☒ B. Emerging Science Technology Innovation Conclave 2025
 - ☐ C. Global Science and Innovation Summit 2025
 - ☐ D. National Electronics and Semiconductor Meet 2025

Q.94 Under which specific operational vision did the Ministry of Minority Affairs organize the National Conclave on Minorities Welfare on 14th May, 2026?

- Ans**
- ☐ A. Samaveshi Aur Saksham Samaj
 - ☐ B. Sabka Saath, Sabka Vikas
 - ☐ C. Vikasit Aur Surakshit Bharat
 - ☒ D. Bhagidaari Se Bhaagyoday

Q.95 Which of the following sanctuaries has been designated as a protected Ramsar site in 2026?

- Ans**
- ☐ A. Barela Bird Sanctuary
 - ☐ B. Coringa Wildlife Sanctuary
 - ☐ C. Vikramshila Gangetic Dolphin Sanctuary
 - ☒ D. Patna Bird Sanctuary

Q.96 Who created history by becoming the fastest ever Indian sprinter in the men's 100-m final at the Federation Cup in Ranchi, Jharkhand, in May 2026?

- Ans**
- ☐ A. Animesh Kujur
 - ☐ B. Amlan Borgohain
 - ☐ C. Manikanta Hoblidhar
 - ☒ D. Gurindervir Singh

Q.97 In February 2026, which of the following players had played the most number of international matches in women's cricket?

- Ans**
- ☐ A. Mithali Raj
 - ☒ B. Harmanpreet Kaur
 - ☐ C. Jhulan Goswami
 - ☐ D. Smriti Mandhana

Q.98 Which organization conducted nationwide trial of India's Cell Broadcast Alert System in May 2026?

- Ans**
- ☐ A. Indian Space Research Organisation
 - ☐ B. Defence Research and Development Organisation
 - ☐ C. Centre for Development of Advanced Computing
 - ☒ D. National Disaster Management Authority

Q.99 As per announcement made in April 2026 by the Agricultural and Processed Food Products Export Development Authority, where will the training center be established to promote basmati cultivation and organic farming?

- Ans**
- ☐ A. Himachal Pradesh
 - ☐ B. Madhya Pradesh
 - ☒ C. Uttar Pradesh
 - ☐ D. Andhra Pradesh

Q.100 Which principle was emphasized in India's E-Waste Management framework during 2025-26?

- Ans**
- ☐ A. Mandatory export of all discarded electronic products to overseas hazardous waste processing facilities
 - ☐ B. Elimination of digital communication devices from government educational institutions and offices
 - ☒ C. Extended producer responsibility for the environmentally sound collection and recycling of electronic junk
 - ☐ D. Complete prohibition of domestic electronics manufacturing within urban industrial clusters nationwide



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Bopal
Test Date	11/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following best explains why ethanol conducts electricity poorly despite being a liquid and having a polar O-H bond?

- Ans
- ☐ A. It is a weak base that accepts protons
 - ☒ B. It is a covalent compound and does not ionize in solution
 - ☐ C. It dissociates completely into ions in water
 - ☐ D. It decomposes in water into CO₂ and H₂O

Q.2 The path along which an electron revolves around the nucleus is called:

- Ans
- ☐ A. Proton
 - ☐ B. Molecule
 - ☐ C. Neutron
 - ☒ D. Orbit

Q.3 Under a microscope, skeletal muscles show alternate light and dark bands. The cells of this tissue are long, cylindrical, unbranched, and _____.

- Ans
- ☒ A. Multinucleate
 - ☐ B. Dead
 - ☐ C. Spindle-shaped
 - ☐ D. Uninucleate

Q.4 Which organ helps crush food into smaller pieces during eating?

- Ans
- ☐ A. Tongue
 - ☒ B. Teeth
 - ☐ C. Stomach
 - ☐ D. Salivary glands

Q.5 If two notes are played, one at 300 Hz and the other at 600 Hz, how do their pitches compare?

- Ans
- ☐ A. The 300 Hz note has a higher pitch
 - ☐ B. The 300 Hz note is louder than the 600 Hz note
 - ☐ C. Both notes have the same pitch
 - ☒ D. The 600 Hz note has a higher pitch

Q.6 In an electric circuit, what produces the potential difference needed for charge flow?

- Ans**
- ☐ A. The resistance of the wire to current
 - ☒ B. A battery consisting of one or more electric cells
 - ☐ C. The gravitational pull on electrons
 - ☐ D. Connecting wires alone between two points

Q.7 Why is it difficult to push a heavy box from rest, according to the first law of motion?

- Ans**
- ☐ A. The box has no wheels to roll
 - ☐ B. The box is pulled back by gravity
 - ☐ C. The box is glued to the floor
 - ☒ D. The box resists changes to its state due to inertia

Q.8 In a grassland ecosystem, which organisms will show the largest number of individuals?

- Ans**
- ☒ A. Grass
 - ☐ B. Frog
 - ☐ C. Hawk
 - ☐ D. Snake

Q.9 When a ray of light passes from air into water, how does the refractive index of water with respect to refractive index of air relate to the speed of light in these two media?

- Ans**
- ☐ A. The refractive index of water with respect to refractive index of air is the sum of the speeds in air and water
 - ☒ B. The refractive index of water with respect to refractive index of air is the ratio of the speed of light in air to that in water
 - ☐ C. The refractive index of water with respect to refractive index of air is the difference of the speeds in air and water
 - ☐ D. The refractive index of water with respect to refractive index of air is the ratio of the speed of light in water to that in air

Q.10 Which of the following is/are example(s) of a heterogeneous mixture?

- a) Colloidal solution
- b) Suspension
- c) Solution

- Ans**
- ☐ A. only (b)
 - ☒ B. (a) and (b)
 - ☐ C. only (c)
 - ☐ D. only (a)

Q.11 A group of scientists wants to determine the evolutionary relationships and common ancestry among closely related species in a region. Which classification criterion would provide the most reliable evidence?

- Ans**
- ☐ A. Activity patterns track
 - ☒ B. Similarity in genetic code
 - ☐ C. External features alone
 - ☐ D. Feeding habits profiles

Q.12 In humans, a mature egg is typically released from one of the ovaries every month in a process called _____.

- Ans**
- ☐ A. Spermatogenesis
 - ☐ B. Puberty
 - ☐ C. Menopause
 - ☒ D. Ovulation

Q.13 Which example indicates that forces acting on an object are balanced?

- Ans**
- ☐ A. A ball falling to the ground
 - ☐ B. A car accelerating down a road
 - ☐ C. A ball at rest begins to move
 - ☒ D. A book lying motionless on a shelf

Q.14 If the direction of current in a straight conductor is reversed, what will be the effect on the direction of the surrounding magnetic field lines?

- Ans**
- ☒ A. The magnetic field lines will reverse direction
 - ☐ B. The magnetic field lines will remain unchanged
 - ☐ C. The magnetic field lines will become stronger
 - ☐ D. The magnetic field lines will become weaker

Q.15 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Metals such as sodium and potassium are extracted by electrolysis.
Reason (R): These metals are highly reactive and cannot be obtained by reduction with carbon.

- Ans**
- ☐ A. A is true, but R is false
 - ☐ B. A is false, but R is true
 - ☒ C. Both A and R are true, and R is the correct explanation of A
 - ☐ D. Both A and R are true, but R is not the correct explanation of A

Q.16 Which structure in Amoeba is primarily responsible for engulfing food particles?

- Ans**
- ☐ A. Cilia covering cell surface
 - ☐ B. Cytoplasm within the cell membrane
 - ☐ C. Cell wall surrounding the organism
 - ☒ D. Temporary pseudopodia

Q.17 Which of the following statements correctly explains the relation between a combination reaction and energy?

- Ans**
- ☐ A. Combination reactions neither release nor absorb energy
 - ☐ B. All combination reactions must absorb heat
 - ☐ C. All combination reactions release heat
 - ☒ D. Many combination reactions are exothermic, though some can be endothermic

Q.18 Both acids and bases conduct electricity in an aqueous solution because:

- Ans**
- ☐ A. They release oxygen gas
 - ☐ B. They form covalent bonds
 - ☒ C. They produce ions in water
 - ☐ D. They contain free electrons

Q.19 A researcher observes an animal with three-chambered heart and some mixing of oxygenated and deoxygenated blood. What energy adaptation does this animal likely exhibit according to the context?

- Ans**
- ☐ A. It maintains body temperature using constant energy
 - ☒ B. It does not maintain its body temperature using constant energy
 - ☐ C. It has a highly efficient oxygen supply
 - ☐ D. It possesses double circulation with no mixing

Q.20 Which of the following features is unique to longitudinal sound waves?

- Ans**
- ☒ A. They form regions of compression and rarefaction.
 - ☐ B. They move as crests and troughs through a medium.
 - ☐ C. They vibrate only up and down in a medium.
 - ☐ D. They travel as side-to-side pulses in a medium.

Q.21 Which human activity helps reduce disruption of the carbon cycle?

- Ans**
- ☐ A. Overuse of fertilisers
 - ☒ B. Adoption of solar energy
 - ☐ C. Deforestation
 - ☐ D. Increasing fossil fuel use

Q.22 Molecules of compounds are formed by:

- Ans**
- ☒ A. Different elements in fixed ratios
 - ☐ B. Similar atoms only
 - ☐ C. Physical mixing of atoms
 - ☐ D. Random atomic combinations

Q.23 When ethanol reacts with sodium metal, which gas is released as a result of the reaction?

- Ans**
- ☐ A. Carbon dioxide
 - ☐ B. Oxygen gas
 - ☒ C. Hydrogen gas
 - ☐ D. Nitrogen gas

Q.24 Which physical quantity must be known to calculate the kinetic energy of a moving object?

- Ans**
- ☒ A. Mass and velocity
 - ☐ B. Mass and time
 - ☐ C. Mass only
 - ☐ D. Velocity only

Q.25 A 3 kg stone is thrown vertically upwards with a speed of 8 m/s. What is its kinetic energy at the moment it leaves the thrower's hand?

- Ans**
- ☐ A. 72 J
 - ☒ B. 96 J
 - ☐ C. 24 J
 - ☐ D. 48 J

Section : Mathematics

Q.26 The radius and height of the cylinder are equal. If the radius of the cylinder increased by 20% and the height of the cylinder is increased by 10%, then find the net increase in the volume of the cylinder.

- Ans**
- ☐ A. 62.5%
 - ☐ B. 66.6%
 - ☐ C. 55.5%
 - ☒ D. 58.4%

Q.27 Two stations S1 and S2 are 766 km apart. One train starts from S1 at 5:20 a.m. and travels towards S2 at 74 kmph. Another train starts from S2 at 7:50 a.m. and travels towards S1 on parallel tracks at a speed of 92 kmph. At what time will they meet?

- Ans** ☒ A. 10:05 am
☒ B. 9:50 am
☒ C. 9:55 am
☒ D. 11:20 am

Q.28 Pipe A can fill a tank in 3 hours, pipe B can fill the same tank in 7 hours and pipe C can fill the same tank in 42 hours. The time taken (in hours) by them to fill half of the same tank if they operate together is:

- Ans** ☒ A. 4
☒ B. 3
☒ C. 1
☒ D. 2

Q.29 The width of a rectangle is 16 cm. If the length is the mean proportional between 9 cm and 16 cm, find the length of the rectangle.

- Ans** ☒ A. 16 cm
☒ B. 18 cm
☒ C. 9 cm
☒ D. 12 cm

Q.30 Arvind bought an article for ₹x. He sold it to Biru at a loss of 15%. Biru spent ₹101 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,554, then what is the value of x?

- Ans** ☒ A. 1,068
☒ B. 1,087
☒ C. 1,126
☒ D. 1,100

Q.31 What is the value of $(4x + 2y)$, if the mean of the following distribution is 50?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	9	13	x	5	y	45

- Ans** ☒ A. 46
☒ B. 44
☒ C. 29
☒ D. 34

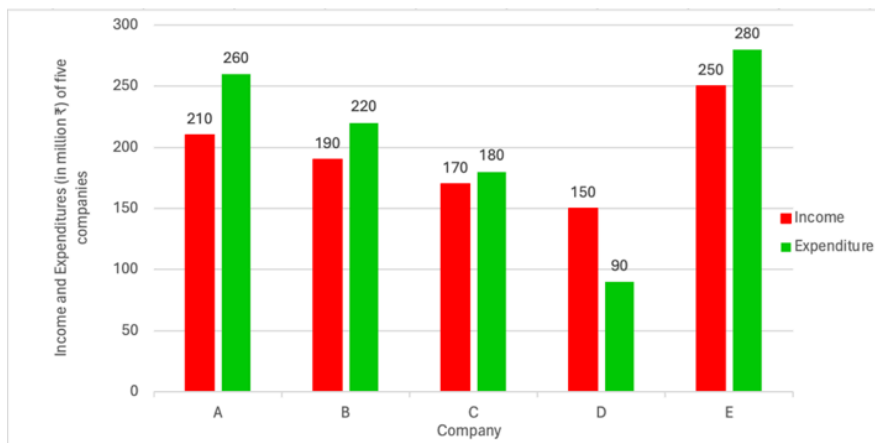
Q.32 The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 83% and that of the TV decreases by 38%, then what is the percentage change in the total cost of 8 washing machines and 4 TVs?

- Ans** ☒ A. Increase by 26%
☒ B. Decrease by 27%
☒ C. Increase by 22.5%
☒ D. Decrease by 19%

Q.33 Find the simple interest (in ₹) on a sum of ₹550 borrowed for 2.5 years at a rate of interest of 12% per annum.

- Ans** ☒ A. 155
☒ B. 145
☒ C. 165
☒ D. 150

- Q.34** The following bar graph shows the Income and Expenditure (in million ₹) of five companies, A, B, C, D, and E, in the year 2016. The profit or loss of a company is given by 'Profit or Loss = (Income - Expenditure)'.



What is the ratio of the combined profit or loss of companies B and C to that of A and E?

- Ans** ☒ A. 3 : 4
☒ B. 2 : 3
☒ C. 1 : 2
☒ D. 1 : 3
- Q.35** Two trains, 210 m and 150 m long, are running in the same direction. The faster train, moving at 60 km/h, overtakes the slower train in 30 seconds. Find the speed of the slower train.
- Ans** ☒ A. 15.6 km/h
☒ B. 17.2 km/h
☒ C. 20 km/h
☒ D. 16.8 km/h
- Q.36** The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 57% and 29%, shop II allows successive discounts of 76% and 35%, shop III allows successive discounts of 53% and 86% and shop IV allows successive discounts of 58%, 13% and 12% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?
- Ans** ☒ A. II
☒ B. I
☒ C. IV
☒ D. III
- Q.37** The ratio of Manushi's and Nanina's present ages is 4 : 9. After 6 years, the ratio of their ages will be 6 : 11. What is Nanina's present age?
- Ans** ☒ A. 25 years
☒ B. 27 years
☒ C. 26 years
☒ D. 24 years
- Q.38** Find the greatest number of 4 digits which is divisible by 12, 24, 45 and 60.
- Ans** ☒ A. 9,600
☒ B. 9,720
☒ C. 9,256
☒ D. 9,450

Q.39 If $x + \frac{1}{x} = \sqrt{20}$, find the value of $x^3 - \frac{1}{x^3}$, where $x > 1$.

- Ans ☒ A. 58
☒ B. 64
☒ C. 82
☒ D. 76

Q.40 Two solid spheres are made of the same material. The weight of the larger sphere is 8 times that of the smaller sphere. If the radius of the smaller sphere is 7 cm, find the difference between the surface areas of both spheres. (Use $\pi = 22/7$)

- Ans ☒ A. 1868 cm^2
☒ B. 1828 cm^2
☒ C. 1848 cm^2
☒ D. 1888 cm^2

Q.41 The difference between compound interest (compounded annually) and simple interest for 3 years at the rate of 20% per annum is ₹624. What is the principal lent?

- Ans ☒ A. ₹6,075
☒ B. ₹3,775
☒ C. ₹4,875
☒ D. ₹5,975

Q.42 What is the least value that must be assigned to A so that the number 456A2384 is divisible by 16?

- Ans ☒ A. 2
☒ B. 5
☒ C. 4
☒ D. 0

Q.43 An item undergoes two successive price increases of 12% each. Find the single equivalent percentage increase in the price of the item.

- Ans ☒ A. 25.44%
☒ B. 22%
☒ C. 24.44%
☒ D. 24%

Q.44 Find the arithmetic mean of the following data.

Class interval	0-8	8-16	16-24	24-32	32-40
Frequency	8	10	6	4	12

- Ans ☒ A. 19.6
☒ B. 22.8
☒ C. 20.4
☒ D. 21.2

Q.45 Simplify $\frac{\cos \theta}{1 + \sin \theta} + \tan \theta$.

- Ans ☒ A. $\sec \theta$
☒ B. $\operatorname{cosec} \theta$
☒ C. $\cos \theta$
☒ D. $\sin \theta$

Q.46 A library has an average number of 612 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is:

- Ans** ☒ A. 302
☒ B. 315
☒ C. 310
☒ D. 298

Q.47 Simplify the following expression:

$$\frac{(36-6)^2}{3 \times 2} + 4 \times (5-3)^3$$

- Ans** ☒ A. 172
☒ B. 184
☒ C. 176
☒ D. 182

Q.48 In a trapezium ABCD, $AB \parallel CD$ and $AB = 16$ cm, $CD = 8$ cm. What is the ratio of the areas of $\triangle ABC$ and $\triangle ACD$?

- Ans** ☒ A. 4:3
☒ B. 3:5
☒ C. 1:2
☒ D. 2:1

Q.49 A sum of money earns interest at a rate of 20% per annum, compounded half-yearly. An amount of ₹8,500 is invested on 1 January and another ₹8,500 is invested on 1 July of the same year. Find the total interest earned at the end of the year.

- Ans** ☒ A. ₹2,635
☒ B. ₹2,540
☒ C. ₹2,525
☒ D. ₹2,680

Q.50 Find the value of $\frac{\sin\theta}{(\sec\theta - 1)} + \frac{\sin\theta}{(\sec\theta + 1)}$.

- Ans** ☒ A. $\cot\theta$
☒ B. $2 \tan\theta$
☒ C. $\tan\theta$
☒ D. $2 \cot\theta$

Section : General Intelligence and Reasoning

Q.51 What should come in place of ? in the given series based on the English alphabetical order?

RRR OQP LPN ? FNJ

- Ans** ☒ A. IOL
☒ B. OPI
☒ C. OIU
☒ D. UOP

Q.52 GAIN is related to ICGL in a certain way based on the English alphabetical order. In the same way, TWIN is related to VYGL. To which of the following options is MILK related, following the same logic?

- Ans**
- ☐ A. PMJI
 - ☐ B. OPMH
 - ☐ C. NKHG
 - ☒ D. OKJI

Q.53 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) 8 9 1 6 7 4 2 6 7 9 1 8 3 1 5 7 5 3 5 5 1 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. Three
 - ☐ D. Two

Q.54 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) 7 1 6 7 9 6 3 7 9 8 7 4 4 4 8 9 3 6 9 8 8 6 1 1 8 7 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. 6
 - ☒ B. 5
 - ☐ C. 7
 - ☐ D. 4

Q.55 What should come in place of the question mark (?) in the given series?

115 142 169 196 223 ?

- Ans**
- ☒ A. 250
 - ☐ B. 247
 - ☐ C. 253
 - ☐ D. 256

Q.56 This question is based on the given words.

JAM COT GEL EYE

How many letters are there in the English alphabetical order between the third letter of the second word from the right and the second letter of the second word from the left?

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

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 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. IL-NQ
 - ☒ B. OR-SY
 - ☒ C. ZC-EH
 - ☒ D. VY-AD

Q.58 A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor numbered 4. Only two people live between D and T. Only B lives between D and S. A lives immediately below D. Who lives on floor number 2?

- Ans**
- ☒ A. T
 - ☒ B. S
 - ☒ C. C
 - ☒ D. A

Q.59 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: DBY :: SQN : %

- Ans**
- ☒ A. # = GEB % = PNK
 - ☒ B. # = GFB % = PNS
 - ☒ C. # = GRT % = POK
 - ☒ D. # = ERB % = PMD

Q.60 Each of C, D, E, F, G, X and Y has interview on a different day of a week, starting from Monday and ending on Sunday of the same week. Only D has interview after Y. Only three people have interview between X and Y. Only three people have interview between G and D. F has interview on some day before E and on some day after C. How many people have interview after X?

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

Q.61 Eight people (M, N, O, P, Q, R, S and T) are sitting around a circular table facing towards the centre. There are exactly three people sitting between M and R. P is sitting to the immediate left of M. N is an immediate neighbour of both M and S. R is an immediate neighbour of both Q and T. T is sitting second to the left of P. Who is sitting immediately between P and T when counted from the left of P?

- Ans**
- ☒ A. O
 - ☒ B. M
 - ☒ C. Q
 - ☒ D. S

Q.62 18 is related to 37 following a certain logic. Following the same logic, 36 is related to 73. To which of the given options is 54 related, following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 109
☐ B. 107
☐ C. 111
☐ D. 113

Q.63 Mr. Plx ranked 87th from the top and 67th from the bottom in his class. How many students are there in his class?

- Ans** ☐ A. 155
☐ B. 145
☒ C. 153
☐ D. 157

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 books are novels.
All novels are stories.

Conclusions:

(I) Some stories are books.
(II) No books are stories.

- 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.65 Each vowel in the word CANDLESTICK is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans** ☐ A. B
☐ B. R
☐ C. F
☒ D. J

Q.66 The position(s) of how many letters will remain unchanged if each letter in the word TEAMWORK is arranged in the English alphabetical order?

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

Q.67 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, which of the following digits will be third from the left in the new number thus formed?

- Ans**
- ☒ A. 0
 - ☒ B. 3
 - ☒ C. 5
 - ☒ D. 2

Q.68 In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the husband of B',
A × B means 'A is the daughter of B', and
A ÷ B means 'A is the wife of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

- Ans**
- ☒ A. Brother
 - ☒ B. Son
 - ☒ C. Son's son
 - ☒ D. Daughter's son

Q.69 19 is related to 57 in a certain way. Following the same way, 16 is related to 48. To which of the following is 2 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☒ A. 7
 - ☒ B. 5
 - ☒ C. 6
 - ☒ D. 8

Q.70 This question is based on the given words.

FAN OUH WIN YUP

If in each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order, how many letter-clusters thus formed will have no vowel?

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

Q.71 Refer to the given number and symbol series and answer the question that follows.
All numbers are single-digit numbers only.

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

If all the symbols are dropped from the series, which of the following will be fifth from the left?

- Ans**
- ☒ A. 7
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 4

Q.72 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.
R sits second to the right of Q. Only two people sit to the left of Q. Only three people sit between Q and Z. Only two people sit between R and P. I sits at some place to the right of J but at some place to the left of K.
How many people sit to the right of I?

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

Q.73 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 7164259, what will be the sum of first two digits from left in the new number thus formed?

- Ans**
- ☐ A. 10
 - ☐ B. 8
 - ☒ C. 6
 - ☐ D. 12

Q.74 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'.

How is Pranav related to Shilpa if 'Pranav \$ Geeta # Harsha @ Jyoti % Shilpa'?

- Ans**
- ☐ A. Father's father's brother's daughter
 - ☐ B. Father's mother's brother's daughter
 - ☒ C. Father's mother's brother's wife
 - ☐ D. Father's father's brother's wife

Q.75 Each of the digits in the number 1235684 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. 12
 - ☐ B. 10
 - ☐ C. 5
 - ☒ D. 8

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 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. TW - RU
 - ☐ B. PS - NQ
 - ☐ C. JM - HK
 - ☒ D. IK - FH

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.

FO – IR – LU

GC – JF – MI

Ans ☒ A. CH – GK – JO

☒ B. NF – RJ – TL

☒ C. MA – PD – SG

☒ D. DP – GS – JU

Q.78 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the tallest?

(I) U is shorter than R but taller than N. N is taller than only one Stick

(II) S is taller than T

Ans ☒ A. Both statements I and II together are NOT sufficient to answer the question

☒ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not

☒ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not

☒ D. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

Q.79 Raghav starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 15 km, turns left and drives 29 km. He then takes a left turn and drives 19 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-degree turns only unless specified.)

Ans ☒ A. 5 km to the west

☒ B. 4 km to the west

☒ C. 5 km to the east

☒ D. 4 km to the east

Q.80 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 birds are feathers.

No feather is a paw.

Conclusions:

(I) No birds is a paw.

(II) Some paws are feathers.

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.81** In 2026, 'Operation Toofan: The Narco Hunt' was announced in which state as a special drive set to commence on June 1 targeting synthetic drug networks, inter-state syndicates, and peddlers near educational institutions?
- Ans** ☒ A. Andhra Pradesh
☒ B. Karnataka
☒ C. Kerala
☒ D. Tamil Nadu
- Q.82** What was the name of the multilateral military exercise that commenced at Umroi Military Station, Meghalaya, in May 2026 with participation from 12 friendly nations?
- Ans** ☒ A. SAMPRITI 2026
☒ B. YUDH ABHYAS 2026
☒ C. MITRA SHAKTI 2026
☒ D. PRAGATI 2026
- Q.83** Which indigenously developed missile system by DRDO successfully completed user evaluation trials in December 2025, paving the way for its induction into India's armed forces?
- Ans** ☒ A. Pinaka-LRGR-120
☒ B. Akash-NG
☒ C. BrahMos
☒ D. VL-SRSAM
- Q.84** In the context of recent political changes in West Bengal, who became the first Chief Minister from the Bharatiya Janata Party (BJP) in the state as of May 9, 2026?
- Ans** ☒ A. Suwendu Adhikari
☒ B. Mamata Banerjee
☒ C. Dilip Ghosh
☒ D. Abhishek Banerjee
- Q.85** What was the official theme of the World Health Day 2026 observed on 7 April 2026?
- Ans** ☒ A. My health, my right
☒ B. Health for all, leave no one behind
☒ C. Building a fairer, healthier world
☒ D. Together for health. Stand with science
- Q.86** Which wetland was officially designated as India's 99th Ramsar site in April 2026?
- Ans** ☒ A. Shekha Jheel Bird Sanctuary
☒ B. Patna Bird Sanctuary
☒ C. Kopra Jalashay
☒ D. Chhari-Dhand Wetland
- Q.87** Which country hosted the 2026 Winter Olympics, officially known as Milano Cortina 2026, conducted from 06 February to 22 February 2026, with Milan and Cortina d'Ampezzo as co-host cities?
- Ans** ☒ A. Germany
☒ B. Italy
☒ C. Switzerland
☒ D. France

Q.88 At the Hockey India 8th Annual Awards 2025, who won the Hockey India Balbir Singh Sr. Award for Player of the Year?

- Ans** ☒ A. Hardik Singh and Navneet Kaur
☐ B. Abhishek Nain and Udit Duhan
☐ C. Harmanpreet Singh and Savita Punia
☐ D. Manpreet Singh and Vandana Katariya

Q.89 Which of the following schemes was announced in the Union Budget 2026-27?

- Ans** ☒ A. Divyangjan Kaushal Yojana
☐ B. Coir Udyami Yojana
☐ C. National Digital Health Mission
☐ D. PM Vishwakarma

Q.90 In a major liquidity move in December 2025, the RBI announced Open Market Operations (OMOs) and a unique swap auction. What was the specific purpose of the \$10 billion USD/INR Buy/Sell swap announced on December 23, 2025?

- Ans** ☐ A. To facilitate the internationalization of the Rupee by creating an offshore market
☐ B. To absorb excess liquidity caused by foreign portfolio investments
☐ C. To provide a hedge against oil price volatility for public sector undertakings
☒ D. To inject durable rupee liquidity into the banking system without putting pressure on bond yields

Q.91 Which country received approval from the International Monetary Fund (IMF) Executive Board in February 2026 for a forty-eight-month Extended Fund Facility (EFF) arrangement worth about US\$8.1 billion?

- Ans** ☐ A. Pakistan
☐ B. Ghana
☒ C. Ukraine
☐ D. Sri Lanka

Q.92 Which scheme had been proposed in the Union Budget 2026-27 with an outlay of ₹10,000 crore over five years to strengthen India's end-to-end ecosystem for biologics and biosimilars?

- Ans** ☐ A. Digital Health Mission
☐ B. National Biotech Growth Initiative
☐ C. Pharma Innovation Bharat Scheme
☒ D. Bio-Pharma SHAKTI

Q.93 Which organisation had signed an agreement with the Government of India and the Government of Uttar Pradesh in March 2026 to support the Uttar Pradesh Clean Air Management Program?

- Ans** ☐ A. International Monetary Fund
☐ B. Asian Development Bank
☒ C. World Bank
☐ D. United Nations Development Programme

Q.94 The electoral victory described in political discussions as a major shift in West Bengal's assembly politics was associated with the emergence of which party as the principal opposition force in the state in 2026?

- Ans** ☐ A. Communist Party of India (Marxist) CPI(M)
☐ B. All India Trinamool Congress (AITC)
☐ C. Indian National Congress (INC)
☒ D. Bharatiya Janata Party

Q.95 The 20th edition of the Asian Games, scheduled for September and October 2026, will be officially hosted by which country?

- Ans**
- ☐ A. China
 - ☐ B. Qatar
 - ☒ C. Japan
 - ☐ D. South Korea

Q.96 In November 2025, which Indian state was awarded the prestigious first prize in the 'Best State' category at the 6th National Water Awards 2024?

- Ans**
- ☐ A. Gujarat
 - ☐ B. Haryana
 - ☒ C. Maharashtra
 - ☐ D. Karnataka

Q.97 The 13th Indian Open Race Walking Competition held in February 2026 took place in which city?

- Ans**
- ☒ A. Chandigarh
 - ☐ B. Lucknow
 - ☐ C. Jaipur
 - ☐ D. Dehradun

Q.98 Who is the author of the book "Dalit Women and the Fullness of Life", published in April 2026?

- Ans**
- ☐ A. Meena Kumari
 - ☒ B. Christina Dhanuja
 - ☐ C. Kiran Desai
 - ☐ D. Anjali Rao

Q.99 In April 2026, Justice Lisa Gill was appointed as the Chief Justice of the High Court of which state?

- Ans**
- ☒ A. Andhra Pradesh
 - ☐ B. Punjab
 - ☐ C. Kerala
 - ☐ D. Haryana

Q.100 Which Indian High Court had directed the effective implementation of the menstrual leave policy across organised and unorganised sectors through an order dated 15 April 2026 while recognising menstrual leave as a fundamental right of women employees?

- Ans**
- ☒ A. High Court of Karnataka
 - ☐ B. High Court of Maharashtra
 - ☐ C. High Court of Uttarakhand
 - ☐ D. High Court of Madhya Pradesh



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
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CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Machenahalli
Test Date	12/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A student wants to reduce the power consumed by a device without changing the current. Which action will achieve this?

- Ans**
- ☐ A. Increase the voltage applied
 - ☐ B. increase the temperature in the circuit
 - ☒ C. Decrease the resistance in the circuit
 - ☐ D. Increase the resistance in the circuit

Q.2 A mutation disrupts the transportation system in a plant, causing accumulation of oxygen and waste products in leaf cells. Which two life processes are most directly hindered as a result?

- Ans**
- ☐ A. Nutrition and respiration
 - ☐ B. Growth and excretion
 - ☐ C. Nutrition and growth
 - ☒ D. Respiration and excretion

Q.3 Which of the following vectors correctly represents the displacement if an object moves from the point (0, 0) to the point (4, -3) in a plane?

- Ans**
- ☒ A. (4, -3)
 - ☐ B. (-3, 4)
 - ☐ C. (3, -4)
 - ☐ D. (-4, 3)

Q.4 Why should acids be diluted carefully?

- Ans**
- ☒ A. To avoid splashing
 - ☐ B. To make reaction fast
 - ☐ C. To increase acidity
 - ☐ D. To reduce concentration

Q.5 A cyclist applies brakes to stop a moving bicycle. The work done by the braking force on the bicycle is _____.

- Ans**
- ☒ A. Negative only
 - ☐ B. Positive only
 - ☐ C. Zero
 - ☐ D. Both positive and negative

Q.6 A climber is carrying a backpack up a mountain with varying slopes. At which point during the climb is the potential energy of the backpack at its maximum, assuming no energy is lost and the mass remains constant?

- Ans**
- ☐ A. At the starting position at the mountain base
 - ☐ B. At the halfway point up the mountain
 - ☒ C. At the highest elevation reached during the climb
 - ☐ D. At the steepest slope of the climb

Q.7 All of the following are parts of the human female reproductive system, **EXCEPT**

- Ans**
- ☐ A. Vagina
 - ☐ B. Uterus
 - ☐ C. Oviducts
 - ☒ D. Vas deferens

Q.8 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Coal and petroleum are called fossil fuels.

Reason (R): They were formed from the remains of ancient plants and animals.

- Ans**
- ☒ A. Both A and R are true, and R is 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 not the correct explanation of A.

Q.9 Why do covalent compounds generally have low melting points?

- Ans**
- ☐ A. Because their molecules are large
 - ☐ B. Because their bonds within molecules are weak
 - ☐ C. Because they are composed of metals
 - ☒ D. Because their intermolecular forces are weak

Q.10 A coil of wire is moved rapidly into a region with a strong magnetic field. Which change will most likely increase the magnitude of the induced current in the coil?

- Ans**
- ☐ A. Holding the coil stationary in the field
 - ☒ B. Increasing the speed at which the coil enters the magnetic field
 - ☐ C. Rotating the coil at the same speed within the field
 - ☐ D. Using a thicker wire for the coil

Q.11 Which of the following statements best describes how sound travels through different materials?

- Ans**
- ☐ A. Sound travels fastest in liquids and slowest in gases.
 - ☐ B. Sound travels fastest in gases and slowest in solids.
 - ☒ C. Sound travels faster in solids than in liquids and gases.
 - ☐ D. Sound travels at the same speed in all materials.

Q.12 If an object continues moving in the same direction at the same speed, what can be inferred about the forces acting on it?

- Ans**
- ☐ A. The forces always cancel gravity
 - ☐ B. All forces are in same direction as direction of motion
 - ☐ C. The forces are unbalanced
 - ☒ D. The forces are balanced

Q.13 A ray parallel to the principal axis strikes a concave mirror. After reflection, it passes through which point?

- Ans**
- ☐ A. The vertex of the mirror
 - ☒ B. The focus of the mirror
 - ☐ C. The pole of the mirror
 - ☐ D. The center of curvature

Q.14 A researcher is studying how small differences among individuals over generations contribute to the emergence of new life forms. Which process does this scenario illustrate?

- Ans**
- ☒ A. Evolution of biodiversity
 - ☐ B. Taxonomic classification
 - ☐ C. Ecological succession
 - ☐ D. Genetic drift

Q.15 Why is the structure of neurons important for their role in the nervous system?

- Ans**
- ☐ A. To store nutrients
 - ☒ B. Allows signal transmission
 - ☐ C. Repairs tissues
 - ☐ D. To produce enzymes

Q.16 The _____ of a sperm cell contains the genetic material required for fertilisation.

- Ans**
- ☒ A. Head
 - ☐ B. Tail
 - ☐ C. Fluid
 - ☐ D. Membrane

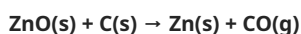
Q.17 What is the formula unit mass of calcium chloride (CaCl_2)?

- Ans**
- ☒ A. 111 u
 - ☐ B. 65 u
 - ☐ C. 71 u
 - ☐ D. 46 u

Q.18 Which statement is true about two sounds with the same amplitude but different frequencies?

- Ans**
- ☐ A. They travel at different speeds in the same medium
 - ☐ B. They have the same pitch but different loudness
 - ☐ C. They have the same frequency but different amplitudes
 - ☒ D. They have the same loudness but different pitch

Q.19 Consider the reaction:



Which of the following correctly identifies the substance undergoing reduction in this reaction?

- Ans**
- ☒ A. ZnO loses oxygen forming Zn
 - ☐ B. Carbon gains oxygen forming CO
 - ☐ C. CO produced during oxidation
 - ☐ D. ZnO converted into zinc metal

Q.20 A waterborne outbreak reveals that causative agent is single-celled, nucleus-lacking organisms thriving in sewage and animal intestines. Which group do these organisms most likely belong to?

- Ans
- ☐ A. Kingdom Plantae
 - ☐ B. Kingdom Protista
 - ☐ C. Kingdom Fungi
 - ☒ D. Kingdom Monera

Q.21 A patient develops frequent coughing and respiratory infections after starting to smoke. Which physiological change best explains this?

- Ans
- ☐ A. Bronchial constriction throughout the lungs
 - ☒ B. Loss of cilia function in the upper respiratory tract
 - ☐ C. Excess saliva secretion in the oral cavity
 - ☐ D. Rapid increase in blood pressure and heart rate

Q.22 When a metal is placed in the salt solution of another metal and a reaction occurs, what does it indicate about the two metals?

- Ans
- ☐ A. Both metals are equally reactive
 - ☐ B. No information about reactivity can be determined
 - ☒ C. The solid metal is more reactive than the metal in solution
 - ☐ D. The metal in solution is more reactive

Q.23 Which of the following statements is true about isotopes?

- Ans
- ☒ A. Isotopes have the same number of protons but different number of neutrons
 - ☐ B. Isotopes are different elements with same atomic number
 - ☐ C. Isotopes have the same number of neutrons
 - ☐ D. Isotopes have different atomic numbers but same mass number

Q.24 A doctor observes a blood vessel with thick, elastic walls under a microscope. What is this vessel most likely to be?

- Ans
- ☐ A. A vein
 - ☐ B. A capillary
 - ☐ C. A lymph vessel
 - ☒ D. An artery

Q.25 The correct decreasing order of the size of the particles in suspension, solution, and colloid is:

- Ans
- ☒ A. suspension > colloid > solution
 - ☐ B. colloid > suspension > solution
 - ☐ C. suspension > solution > colloid
 - ☐ D. solution > colloid > suspension

Section : Mathematics

Q.26 Simplify $\frac{(1 - \tan A)^2}{(1 - \cot A)^2} + 1$.

- Ans
- ☐ A. $\tan^2 A$
 - ☒ B. $\sec^2 A$
 - ☐ C. $\cot^2 A$
 - ☐ D. $\tan A$

Q.27 Read the given table carefully to answer the question that follows.

Amount earned (in lacs) by five persons, A, B, C, D and E, in six different years
Person

Year	A	B	C	D	E
2005	2.24	4.33	5.64	3.73	1.69
2006	1.44	3.34	6.93	5.52	5.52
2007	4.63	2.79	7.52	5.68	4.28
2008	6.65	6.63	5.83	6.74	6.83
2009	5.34	4.5	5.94	8.42	5.53
2010	7.38	5.36	7.84	9.45	9.94

What was the respective ratio between the amount earned by Person-B in the year 2007 and Person-D in the year 2010?

- Ans ☐ A. 37:107
☐ B. 37:109
☒ C. 31:105
☐ D. 32:105

Q.28 A can do a piece of work in 16 days. B is 60% more efficient than A. How much time will A and B together take to finish the work?

- Ans ☐ A. $4\frac{3}{13}$ days
☐ B. $5\frac{4}{7}$ days
☒ C. $6\frac{2}{13}$ days
☐ D. $3\frac{2}{7}$ days

Q.29 Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 2.5 years at 20% per annum rate of interest.

- Ans ☐ A. 325
☐ B. 255
☒ C. 275
☐ D. 375

Q.30 Jaspreet deposited a sum of ₹64,750 at 20% rate of interest per annum, compounded annually. The total amount received by Jaspreet after 2 years is:

- Ans ☐ A. ₹93,080
☒ B. ₹93,240
☐ C. ₹93,349
☐ D. ₹92,875

Q.31 Given that $109^{0.71} = x$, $109^{0.47} = y$ and $x^z = y^{10}$, then the value of z is close to:

- Ans ☐ A. 5.77
☐ B. 6.04
☐ C. 9.19
☒ D. 6.62

Q.32 The mean and the mode of a set of data are 23.9 and 50.9, respectively. Find the median of the data, using the empirical formula.

- Ans
- ☐ A. 32.6
 - ☐ B. 34
 - ☒ C. 32.9
 - ☐ D. 33.8

Q.33 The numbers 4, 8, and 10 are assigned weights 2, 3, and 5, respectively. Find their weighted arithmetic mean.

- Ans
- ☐ A. 6.5
 - ☐ B. 7.4
 - ☐ C. 9.1
 - ☒ D. 8.2

Q.34 If $49a^2 - b = \left(7a + \frac{1}{2}\right)\left(7a - \frac{1}{2}\right)$, then the value of b is:

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

Q.35 If the average temperature of the first 3 days of a week is 38.5°C and the average temperature of the last 4 days is 39.2°C, find the average temperature of the entire week.

- Ans
- ☐ A. 38.8° C
 - ☐ B. 38.6° C
 - ☒ C. 38.9° C
 - ☐ D. 39° C

Q.36 A solid cone of radius R and height H is melted and recast into 8 ident radius $\frac{R}{3}$. The height of each new cone is:

- Ans
- ☐ A. $\frac{H}{8}$
 - ☐ B. $\frac{27H}{8}$
 - ☒ C. $\frac{9H}{8}$
 - ☐ D. $\frac{3H}{8}$

Q.37 The ratio of two numbers is 6 : 11. If the smaller number is 18, find the larger number.

- Ans
- ☐ A. 30
 - ☐ B. 22
 - ☐ C. 27
 - ☒ D. 33

Q.38 A rectangular playground is 20 m longer than it is wide. A walking track of uniform width 2 m is laid all around the playground. The area of the walking track is 176 m². What is the perimeter of the playground (excluding the track)?

- Ans** ☒ A. 80 m
☐ B. 94 m
☐ C. 90 m
☐ D. 84 m

Q.39 Find the value of $\frac{\tan 75^\circ - \tan 15^\circ}{1 + \tan 75^\circ \tan 15^\circ}$.

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

Q.40 A sum of ₹5,000 is invested for 1 year at 10% per annum compound interest, compounded half-yearly. Find the compound interest earned (in ₹).

- Ans** ☐ A. 575.50
☐ B. 530.50
☒ C. 512.50
☐ D. 505.50

Q.41 In a science project, the power from two machines are being compared and machine B's power is measured as $2 \times 8 \times \sqrt{y}$. If both the machines

- Ans** ☐ A. 4
☐ B. 2
☐ C. 16
☒ D. 8

Q.42 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 14% and 87%, shop II allows successive discounts of 96% and 76%, shop III allows successive discounts of 22% and 92% and shop IV allows successive discounts of 16%, 89% and 57% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☐ A. IV
☐ B. I
☐ C. III
☒ D. II

Q.43 Arvind bought an article for ₹x. He sold it to Biru at a loss of 16%. Biru spent ₹147 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,617, then what is the value of x?

- Ans** ☐ A. 1,204
☒ B. 1,200
☐ C. 1,186
☐ D. 1,227

Q.44 Vikram saves $r\%$ of his earnings. If his earnings increase by 22% and his expenditure increases by 16%, his savings grow by 40%. What is the value of r ?

- Ans
- ☐ A. 16
 - ☐ B. 27
 - ☒ C. 25
 - ☐ D. 22

Q.45 A motor bike travels at the speed of 54 km/hr for 2 hours, then it travels 70 km/hr for 3 hours, and finally travels 60 km/hr for 3 hours. What is the average speed of the motor bike for the entire trip?

- Ans
- ☐ A. 59.28 km/hr
 - ☐ B. 56.83 km/hr
 - ☐ C. 64.18 km/hr
 - ☒ D. 62.25 km/hr

Q.46 A, B, and C started a business, each investing ₹10000. After 4 months, A withdraws ₹3000, B withdraws ₹4000, and C invests ₹3000 more. At the end of the one year, a total profit was ₹65600. Find the share of C at the end of the year.

- Ans
- ☒ A. ₹28800
 - ☐ B. ₹29800
 - ☐ C. ₹22700
 - ☐ D. ₹24600

Q.47 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. increase by ₹8,249
 - ☐ B. decrease by ₹8,252
 - ☐ C. increase by ₹8,255
 - ☒ D. decrease by ₹8,253

Q.48 PQR is a triangle and D is a point on side QR. If $QR=16$ cm, $QD=12$ cm and $\angle QPR = \angle PDR$, then find the length of PR.

- Ans
- ☐ A. 64 cm
 - ☐ B. 4 cm
 - ☒ C. 8 cm
 - ☐ D. 28 cm

Q.49 Simplify: $\frac{3}{5} + \frac{2}{3}$

- Ans
- ☐ A. $\frac{23}{15}$
 - ☐ B. $\frac{23}{25}$
 - ☒ C. $\frac{19}{15}$
 - ☐ D. $\frac{19}{25}$

Q.50 The ratio of the speed of a boat to the speed of the current of water is 36 : 5. The boat goes a certain distance downstream in 5 hours 10 minutes. How much time will it take to come back against the stream?

- Ans**
- ☒ A. 6 hours 20 minutes
 - ☒ B. 5 hours 50 minutes
 - ☒ C. 6 hours 50 minutes
 - ☒ D. 6 hours 30 minutes

Section : General Intelligence and Reasoning

Q.51 In a row of 100 students facing the north, Sukhi's position is 25th from left and Abhishek's position is 34th from right. Ramesh is sitting exactly between both of them, then find the position of Ramesh with respect to Sukhi.

- Ans**
- ☒ A. 23rd
 - ☒ B. 21st
 - ☒ C. 22nd
 - ☒ D. 20th

Q.52 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$1184 \div 2 + 909 \times 3 - 401 = ?$$

- Ans**
- ☒ A. 2868
 - ☒ B. 2738
 - ☒ C. 2466
 - ☒ D. 2146

Q.53 OS 5 is related to PP -5 in a certain way. In the same way, FJ 9 is related to GG -1. To which of the following is LN 11 related, following the same logic?

- Ans**
- ☒ A. HM 2
 - ☒ B. MK 1
 - ☒ C. HJ 3
 - ☒ D. VG 4

Q.54 Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 7 > / 5 + & 5 & 8 9 ^ 7 4 2 2 \ 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. Two
 - ☒ B. One
 - ☒ C. Zero
 - ☒ D. Three

Q.55 In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the daughter of B',
A × B means 'A is the husband 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. Son
 - ☐ B. Son's daughter
 - ☐ C. Daughter
 - ☒ D. Daughter's daughter

Q.56 Six people, L, M, N, O, P, and Q, are sitting in a straight line, facing the north.
Only one person sits between L and Q. N sits at the extreme right end. P sits third to the left of N. L sits to the immediate right of O.
Who sits to the immediate right of P?

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

Q.57 In a certain code language, 'curtain for door' is coded as 'ar yb qj' and 'door is open' is coded as 'yb gt ol'. How is 'door' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☐ A. ol
 - ☐ B. qj
 - ☒ C. yb
 - ☐ D. gt

Q.58 This question is based on the given words.

JAR PIT FEW NOR

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many words thus formed have no vowels?

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

Q.59 In a certain code language "QEHU" is coded as "153" and "ZBKN" is coded as "159".
What is the code for "SWGJ" in the given language?

- Ans**
- ☐ A. 171
 - ☒ B. 177
 - ☐ C. 169
 - ☐ D. 165

Q.60 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) 9 1 2 4 9 7 7 5 6 1 1 5 4 7 3 7 4 5 4 2 6 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 even digit?

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

Q.61 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only three boxes are kept above R. Only two boxes are kept between R and T. Only S is kept above I. J is kept at some place below Q and at some place above K. How many boxes are kept between Q and T?

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

Q.62 Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. P has an exam on Wednesday. Only one person has an exam between P and R. U has an exam immediately after R. Only three people have an exam between U and Q. V has an exam after S but before Q. When does T have an exam?

- Ans**
- ☒ A. Thursday
 - ☒ B. Sunday
 - ☒ C. Monday
 - ☒ D. Saturday

Q.63 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) L = W L & > P < T ? H € M ÷ J # V @ & A ¥ M ? Q % P ∞ (Right)

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

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

Q.64 A is father of B. B is brother of C. C is wife of D. How is A related to D?

- Ans**
- ☒ A. Mother's Brother
 - ☒ B. Wife's Mother
 - ☒ C. Brother
 - ☒ D. Wife's Father

Q.65 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: NRP :: FSW : %

- Ans**
- ☒ A. #=LPR, %=HUT
 - ☒ B. #=LPR, %=HVU
 - ☒ C. #=LPR, %=HUV
 - ☒ D. #=LPR, %=HUU

Q.66 If '+' means 'x', '-' means '+', 'x' means '+' and '+' means '-', then what will come in place of the question mark (?) in the following equation?

$25 - 5 + 6 \times 2 \div 4 = ?$

- Ans**
- ☒ A. 32
 - ☒ B. 30
 - ☒ C. 28
 - ☒ D. 26

Q.67 What should come in place of the question mark (?) in the given series?

33 39 46 54 63 73 ?

- Ans**
- ☒ A. 81
 - ☒ B. 87
 - ☒ C. 84
 - ☒ D. 82

Q.68 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?
(12 Q 3) P 7 R 5 P 4 S 12 = ?

- Ans**
- ☒ A. 20
 - ☒ B. 34
 - ☒ C. 12
 - ☒ D. 28

Q.69 In a certain code language, 'shut the business' is coded as 'qt gv bx' and 'business is down' is coded as 'mj yp gv'. How is 'business' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☒ A. qt
 - ☒ B. gv
 - ☒ C. bx
 - ☒ D. yp

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 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. KO - HL
 - ☒ B. QR - MP
 - ☒ C. DI - AF
 - ☒ D. XB - UY

Q.71 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.
P sits to the immediate right of J. Only three people sit between Q and R when counted from the left of Q. Only three people sit between J and I when counted from the right of I. Z is an immediate neighbor of I as well as R.
Who sits third to the left of K?

- Ans**
- ☒ A. R
 - ☒ B. Q
 - ☒ C. I
 - ☒ D. Z

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

LPL NRN PTP RVR ?

- Ans**
- ☒ A. TXT
 - ☒ B. TUT
 - ☒ C. TWS
 - ☒ D. TYT

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 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. ONR
 - ☒ B. VUY
 - ☒ C. QQT
 - ☒ D. SRV

Q.74 Each vowel in the word ABILITY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

- Ans**
- ☒ A. A
 - ☒ B. K
 - ☒ C. B
 - ☒ D. S

Q.75 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

19 - 266 - 38 ;
42 - 588 - 84

- Ans**
- ☒ A. 35 - 490 - 70
 - ☒ B. 49 - 686 - 99
 - ☒ C. 14 - 196 - 29
 - ☒ D. 28 - 392 - 66

Q.76 Each vowel in the word VOYAGE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

- Ans**
- ☒ A. X
 - ☒ B. F
 - ☒ C. B
 - ☒ D. P

Q.77 This question is based on the given words.

SON WIL TEN JUN

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

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

Q.78 EBIG is related to KHOM in a certain way based on the English alphabetical order. In the same way, HELJ is related to NKR P. To which of the following is LIPN related, following the same logic?

- Ans**
- ☒ A. ROVT
 - ☒ B. ORTV
 - ☒ C. ROTV
 - ☒ D. ORVT

Q.79 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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.)

4 – 16 – 26 – 52
7 – 49 – 59 – 118

- Ans**
- ☒ A. 11 – 22 – 44 – 54
 - ☒ B. 17 – 38 – 48 – 88
 - ☒ C. 9 – 81 – 91 – 182
 - ☒ D. 5 – 25 – 50 – 60

Q.80 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, B, U, N, M and D, each having a different height, which stick is the shortest?

(I) M is taller than only one stick. B is taller than U.

(II) M is taller than D.

- Ans** ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- ☒ B. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- ☒ C. Both statements I and II together are NOT sufficient to answer the question.
- ☒ D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Section : General Awareness and Current Affairs

Q.81 In 2026, which tennis star was named Laureus World Sportsman of the Year for his performances, which included winning the French and US Opens?

- Ans** ☒ A. Carlos Alcaraz
- ☒ B. Jannik Sinner
- ☒ C. Novak Djokovic
- ☒ D. Alexander Zverev

Q.82 In May 2026, the government revised financial grants for National Sports Federations (NSFs). Under these new guidelines, what is the revised grant for hosting international tournaments?

- Ans** ☒ A. ₹90 Lakh
- ☒ B. ₹5 Crore
- ☒ C. ₹1 Crore
- ☒ D. ₹2 Crore

Q.83 What is the name of the sixth Nilgiri-class stealth frigate delivered to the Indian Navy by Mazagon Dock Shipbuilders Limited on April 30, 2026?

- Ans** ☒ A. Taragiri
- ☒ B. Vindhyagiri
- ☒ C. Nilgiri
- ☒ D. Mahendragiri

Q.84 The Special Commonwealth Games Edition of the 75th edition of Fit India Sundays on Cycle, led by Minister of State for Youth Affairs & Sports in May 2026, was organised at which institution campus?

- Ans** ☒ A. Indian Institute of Technology Delhi
- ☒ B. Indian Institute of Technology Guwahati
- ☒ C. National Institute of Technology Silchar
- ☒ D. Indian Institute of Science Bengaluru

Q.85 On May 13, 2026, ISRO Telemetry, Tracking and Command Network (ISTRAC) signed a landmark MoU with SAMEER at Indian Institute of Technology Bombay. SAMEER functions under which Union Ministry?

- Ans** ☒ A. Ministry of Communications
- ☒ B. Ministry of Electronics and Information Technology
- ☒ C. Ministry of Defence
- ☒ D. Ministry of Science and Technology

Q.86 In April 2026, the Ministry of Social Justice reported disbursing nearly Rs. 8,000 crore to over 75 lakh beneficiaries. Which community did this specific budget allocation target?

- Ans**
- ✓ A. The Scheduled Caste (SC) beneficiaries
 - ✗ B. The Particularly Vulnerable Tribal Groups (PVTGs)
 - ✗ C. The six notified minority communities (Christians, Muslims, etc.)
 - ✗ D. The Parsi community specifically

Q.87 Which dashboard was launched by Union Home Minister Amit Shah during the inauguration of the new Cybercrime Branch of the Central Bureau of Investigation (CBI) in New Delhi in February 2026?

- Ans**
- ✗ A. Digital Governance Monitoring Dashboard
 - ✓ B. State Cyber Crime Coordination Centre (S4C) dashboard
 - ✗ C. Central Financial Fraud Analysis Dashboard
 - ✗ D. Unified Women Safety Monitoring Portal

Q.88 Which of the following organizations published the book 'Janjati Gaurav' in March 2026 to document the history and contributions of India's tribal communities?

- Ans**
- ✓ A. Indira Gandhi National Centre for Arts
 - ✗ B. Sahitya Akademi
 - ✗ C. National Book Trust
 - ✗ D. Ministry of Tribal Affairs

Q.89 Following a deadly mass shooting in Australia in December 2025, Prime Minister Anthony Albanese announced a major national gun buyback scheme. At which prominent Australian location did this occur?

- Ans**
- ✗ A. Lindt Cafe, Sydney
 - ✓ B. Bondi Beach, Sydney
 - ✗ C. Wieambilla, Queensland
 - ✗ D. Port Arthur, Tasmania

Q.90 In 2025, which DRDO-led project was identified as the India's strategic initiative for developing an indigenous extended-range surface-to-air missile system capable of multi-layer threat interception?

- Ans**
- ✗ A. Raksha Shakti project
 - ✓ B. Project Kusha
 - ✗ C. Project SURAKSHA
 - ✗ D. DEFENCE-X

Q.91 Which command hosted the high-level Joint Operations Conclave under the All Domain Joint Operations (ADJO) Exercise 2026 framework in February 2026?

- Ans**
- ✗ A. Central Air Command
 - ✗ B. Eastern Naval Command
 - ✓ C. Western Air Command
 - ✗ D. Southern Command

Q.92 Who organized the Prakriti 2026 conference under the patronage of the Ministry of Power and the Ministry of Environment, Forest and Climate Change?

- Ans**
- ✓ A. Bureau of Energy Efficiency
 - ✗ B. Indian Meteorological Department
 - ✗ C. NITI Aayog
 - ✗ D. Central Pollution Control Board

- Q.93** Which dates were observed as Financial Literacy Week 2026 by RBI, focusing on safe banking practices?
- Ans** ☐ A. February 15 to 19, 2026
☒ B. February 9 to 13, 2026
☐ C. February 20 to 24, 2026
☐ D. February 1 to 5, 2026
- Q.94** At the LA Track Fest in May 2026, Habtom Samuel achieved a historic feat in collegiate athletics. What record did he break?
- Ans** ☐ A. NCAA 1500m record
☐ B. NCAA Long Jump record
☐ C. NCAA 110m hurdles record
☒ D. NCAA 5000m record
- Q.95** In January 2026, which eminent individual from Kerala was honored with the Padma Vibhushan for their significant contributions in Public Affairs, specifically in judicial rectitude and constitutional governance?
- Ans** ☐ A. Jasti Chelameswar
☒ B. K. T. Thomas
☐ C. Kurian Joseph
☐ D. P. Sathasivam
- Q.96** Which bird sanctuary in Uttar Pradesh was added to the Ramsar List in 2026 as a Wetland of International Importance?
- Ans** ☐ A. Sur Sarovar Bird Sanctuary
☒ B. Patna Bird Sanctuary
☐ C. Nawabganj Bird Sanctuary
☐ D. Okhla Bird Sanctuary
- Q.97** In 2026, which space agency carried four astronauts around the far side of the Moon, testing systems and workflows for future missions?
- Ans** ☐ A. ISRO (India)
☒ B. NASA (USA)
☐ C. CNSA (China)
☐ D. ESA (Europe)
- Q.98** As per the Union Budget 2025-26, how many PM Research Fellowships will be provided for technological research in IITs and IISc, with enhanced financial support over the next five years?
- Ans** ☒ A. 10,000
☐ B. 16,000
☐ C. 12,000
☐ D. 14,000
- Q.99** On May 7, 2026, Defence Research and Development Organisation and the Indian Air Force successfully conducted the maiden flight-trial of ____.
- Ans** ☐ A. Tactical Airborne Reconnaissance Aircraft
☐ B. Tactical Aviation Response Armament
☒ C. Tactical Advanced Range Augmentation
☐ D. Target Acquisition and Radar Assistance

Q.100 Which of the following leaders took oath as the Chief Minister of West Bengal in India in May 2026?

- Ans**
- ☐ A. Sukanta Majumdar
 - ☐ B. Dilip Ghosh
 - ☒ C. Suwendu Adhikari
 - ☐ D. Mamata Banerjee



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Sector 62
Test Date	12/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A student wants to increase the magnetic field strength around a straight conductor carrying current. Which combination of changes will most effectively achieve this?

- Ans**
- ☐ A. Decreasing the current and moving the observation point farther from the conductor.
 - ☐ B. Increasing the current while moving the observation point farther away.
 - ☐ C. Keeping the current constant and changing the observation point to any location.
 - ☒ D. Increasing the current and bringing the observation point closer to the conductor.

Q.2 Which rule for writing chemical symbols is correct?

- Ans**
- ☐ A. Second letter capital only
 - ☐ B. Both letters capitalised
 - ☒ C. First letter capital only
 - ☐ D. Letters written in italics

Q.3 In a food web, herbivores are generally:

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

Q.4 Two objects, Object P and Object Q, move along a straight road. Object P travels 20 meters every 2 seconds, while Object Q covers 20 meters in the first 2 seconds and 30 meters in the next 2 seconds. Which statement is correct about their motions?

- Ans**
- ☐ A. Object P is in non-uniform motion, while Object Q is in uniform motion.
 - ☐ B. Both objects are in uniform motion.
 - ☒ C. Object P is in uniform motion, while Object Q is in non-uniform motion.
 - ☐ D. Both objects are in non-uniform motion.

Q.5 An electric kettle has a resistance of 10 ohms and is connected to a 220 V supply. For 5 minutes of operation, how much charge flows through it?

- Ans**
- ☐ A. 1100 C
 - ☐ B. 2200 C
 - ☐ C. 13200 C
 - ☒ D. 6600 C

Q.6 A 13-year-old girl starts menstruating but has irregular cycles for the first year. Which underlying factor most likely contributes to this pattern according to reproductive maturity?

- Ans**
- ☒ A. Immature hormonal regulation
 - ☐ B. Fully matured ovaries
 - ☐ C. Constant egg release
 - ☐ D. Fully developed uterus

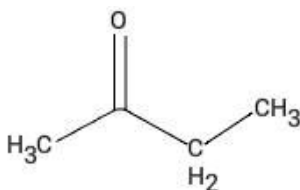
Q.7 Which of the following best explains why sodium chloride is solid at room temperature?

- Ans**
- ☐ A. It forms molecules held by covalent bonds.
 - ☐ B. It is held together by weak van der Waals forces.
 - ☒ C. It has a strong electrostatic attraction between ions.
 - ☐ D. It has metallic bonding between atoms.

Q.8 Which of the following substances does **NOT** contain carbon in its chemical composition?

- Ans**
- ☐ A. Carbohydrates
 - ☒ B. Water
 - ☐ C. DNA
 - ☐ D. Proteins

Q.9 The IUPAC name of the given compound is:



- Ans**
- ☐ A. Butan-2-oic acid
 - ☒ B. Butan-2-one
 - ☐ C. Butan-2-ol
 - ☐ D. Butan-2-al

Q.10 Which of the following best describes an echo in the context of sound propagation and reflection?

- Ans**
- ☒ A. An echo is a reflected sound heard distinctly after the original sound.
 - ☐ B. An echo is a continuous sound produced by a vibrating object.
 - ☐ C. An echo is a change in the pitch of a sound due to distance from the source.
 - ☐ D. An echo is a louder sound produced when sound reflects from a wall.

Q.11 A student pushes two carts, one heavy and one light, with the same force. According to Newton's second law, what will happen to their accelerations?

- Ans**
- ☐ A. The heavier cart will move with zero acceleration
 - ☐ B. The heavier cart will accelerate more than the lighter cart
 - ☐ C. Both carts will accelerate equally
 - ☒ D. The lighter cart will accelerate more than the heavier cart

Q.12 Which of the following situations correctly illustrates the scientific definition of work in physics?

- Ans**
- ☐ A. A person walks with a backpack at constant speed
 - ☐ B. A person holds a book stationary above their head
 - ☐ C. A person pushes against a wall but the wall does not move
 - ☒ D. A person lifts a box from the floor onto a table

Q.13 Which of the following does **NOT** occur during inhalation in human beings?

- Ans**
- ☐ A. Air enters the lungs
 - ☐ B. The chest cavity expands
 - ☒ C. Blood releases oxygen
 - ☐ D. The diaphragm flattens downward

Q.14 Which statement best describes the image formed by a convex lens when the object is placed between the focal point and the optical center of the lens?

- Ans**
- ☐ A. The image is real, upright and larger than the object.
 - ☒ B. The image is virtual, upright and larger than the object.
 - ☐ C. The image is real, inverted and smaller than the object.
 - ☐ D. The image is virtual, inverted and smaller than the object.

Q.15 Which of the following combinations forms a homogeneous mixture when combined in water?

- Ans**
- ☐ A. Sugar and sand
 - ☐ B. Iron filings and sulfur
 - ☒ C. Salt and water
 - ☐ D. Oil and water

Q.16 A certain sound wave has a frequency of 400 Hz. What is the time period for this wave?

- Ans**
- ☐ A. 0.25 seconds
 - ☐ B. 0.025 seconds
 - ☐ C. 0.05 seconds
 - ☒ D. 0.0025 seconds

Q.17 In a food chain, the maximum concentration of non-biodegradable pollutants would be found in:

- Ans**
- ☒ A. Top carnivores
 - ☐ B. Herbivores
 - ☐ C. Decomposers
 - ☐ D. Producers

Q.18 _____ is necessary for the thyroid gland to make thyroxine hormone.

- Ans**
- ☒ A. Iodine
 - ☐ B. Iron
 - ☐ C. Calcium
 - ☐ D. Vitamin D

Q.19 What chemical change best indicates oxidation of a substance during a chemical reaction?

- Ans**
- ☐ A. Gain of hydrogen only
 - ☒ B. Gain of oxygen or loss of hydrogen
 - ☐ C. Loss of electrons only
 - ☐ D. Change in physical state

Q.20 Which of the following statements is **CORRECT**?

- Ans**
- ☐ A. For an element, mass number is double of atomic number.
 - ☒ B. The three isotopes of hydrogen namely protium, deuterium and tritium have same number of protons.
 - ☐ C. Atomic number is equal to number of nucleons.
 - ☐ D. The two isotopes of carbon have same mass number.

Q.21 Which of the following compounds contains both an amine and a carboxyl functional group?

- Ans**
- ☒ A. Glycine
 - ☐ B. Propanone
 - ☐ C. Ethanol
 - ☐ D. Ethanal

Q.22 Which observation would provide the strongest evidence that a machine is a fixed pulley?

- Ans**
- ☐ A. The applied force is smaller than the load.
 - ☐ B. The machine stores energy while lifting.
 - ☒ C. The effort and load move in opposite directions.
 - ☐ D. The load becomes lighter during lifting.

Q.23 While males produce millions of sperm, females usually produce only _____ mature egg(s) every month in humans.

- Ans**
- ☐ A. A few hundred
 - ☒ B. One
 - ☐ C. Zero
 - ☐ D. Thousands

Q.24 A laboratory investigation shows that magnesium reacts with bases to release a gas. Which is the most likely identity of the gas produced?

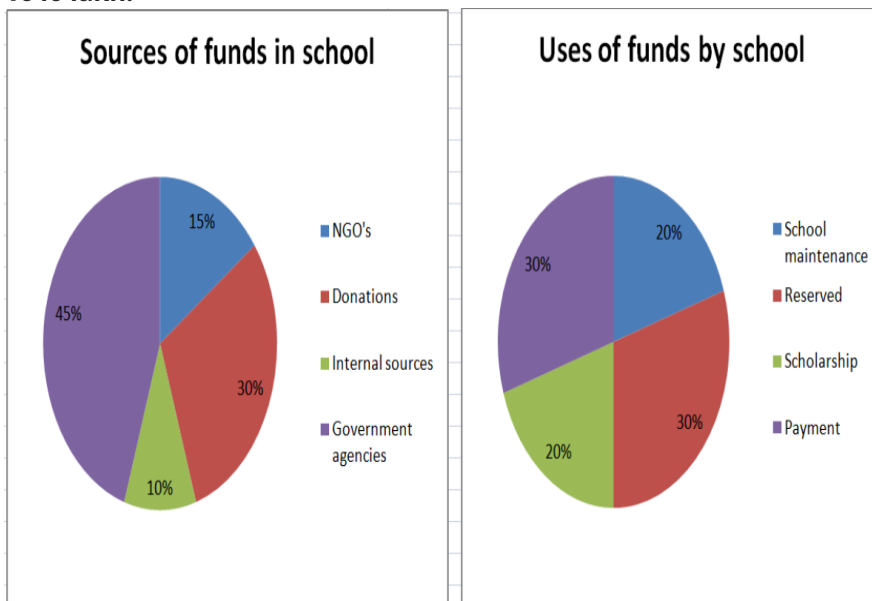
- Ans**
- ☐ A. Chlorine
 - ☒ B. Hydrogen
 - ☐ C. Oxygen
 - ☐ D. Carbon dioxide

Q.25 A wildlife veterinarian observes that a certain animal can maintain a large body size and perform complex behaviors. Which structural attribute is most vital for these traits?

- Ans**
- ☐ A. Simple single-celled structure
 - ☐ B. External tentacles for movement
 - ☒ C. Vertebral column for support
 - ☐ D. Protective rigid outer covering

Section : Mathematics

- Q.26** Study the following pie charts carefully and answer the question given below it.
 The entire fund that school gets from different sources is equal to ₹640 lakh.



If the school managed school maintenance from the government agencies fund only, how much fund from government agencies would still be left for other uses?

- Ans** ☒ A. ₹180 lakh
☒ B. ₹140 lakh
☒ C. ₹160 lakh
☒ D. ₹120 lakh
- Q.27** 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. decrease by ₹608
☒ B. increase by ₹609
☒ C. increase by ₹606
☒ D. decrease by ₹604
- Q.28** In what ratio should coffee costing ₹3800/kg be mixed with coffee costing ₹2750/kg so that the cost of the mixture is ₹3050/kg?
- Ans** ☒ A. 3:7
☒ B. 3:5
☒ C. 2:5
☒ D. 2:3
- Q.29** Given that $122^{0.86} = x$, $122^{0.22} = y$ and $x^z = y^7$, then the value of z is close to:
- Ans** ☒ A. 1.79
☒ B. 0.56
☒ C. 4.46
☒ D. 2.11

Q.30 What will be the compound interest on a sum of ₹7,625 after 3 years at the rate of 20% per annum, interest being compounded annually?

- Ans ☒ A. ₹5,581
☒ B. ₹5,571
☒ C. ₹5,551
☒ D. ₹5,561

Q.31 A manufacturer fixes his selling price at 70% above the cost of production. If the cost of production increases by 10% and the manufacturer increases his selling price by 10%, what is the new profit percentage?

- Ans ☒ A. 70%
☒ B. 71%
☒ C. 73%
☒ D. 72%

Q.32 If the mean of the following data is 45, then what is the value of x?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	34	35	42	21	x

- Ans ☒ A. 41
☒ B. 42
☒ C. 46
☒ D. 27

Q.33 The difference between the measures of an interior angle and an exterior angle is n and the ratio of the interior angle to the exterior angle is p :



- Ans ☒ A. multiple of 7
☒ B. multiple of 5
☒ C. multiple of 9
☒ D. multiple of 6

Q.34 A car travels a total distance of 180 km, divided equally into three parts of 60 km each. On the first part, it moves at a speed of 60 km/h; on the second, it slows down to 40 km/h. On the third part, its speed increases again so that the overall average speed for the entire journey becomes 54 km/h. Find the speed of the car on the third part.

- Ans ☒ A. 90 km/h
☒ B. 78 km/h
☒ C. 75 km/h
☒ D. 72 km/h

Q.35 A car travels 240 km in 4 hours. How far will it travel in 7 hours at the same speed?

- Ans ☒ A. 400 km
☒ B. 480 km
☒ C. 420 km
☒ D. 360 km

Q.36 In a dataset, the mean is 65 and the median is 70. Find the mode of the data.

- Ans ☒ A. 60
☒ B. 80
☒ C. 55
☒ D. 75

Q.37 The ratio of two numbers is 21:5 and their HCF is 50. What will be their LCM?

- Ans**
- ☐ A. 5260
 - ☐ B. 5220
 - ☐ C. 5240
 - ☒ D. 5250

Q.38 In an election between two candidates, one candidate received 28% of the total votes but lost the election by a margin of 649 votes. If all the votes cast were valid, find the total number of votes cast.

- Ans**
- ☒ A. 1475
 - ☐ B. 1465
 - ☐ C. 1485
 - ☐ D. 1495

Q.39 Simplify: $2 + \frac{\sin A}{\cot A - \operatorname{cosec} A} - \frac{\sin^2 A}{\cos A + 1}$

- Ans**
- ☐ A. ∞
 - ☒ B. 0
 - ☐ C. $\tan A$
 - ☐ D. $\sec^2 A$

Q.40 If the height of a triangle is increased by 40% and its base is decreased by 25%, what will be the effect on its area?

- Ans**
- ☐ A. Increases by 2%
 - ☐ B. Decreases by 2%
 - ☒ C. Increases by 5%
 - ☐ D. Decreases by 5%

Q.41 Three numbers are in the ratio 2:3:4. If the sum of their cubes is 2673, then the largest number is:

- Ans**
- ☒ A. 12
 - ☐ B. 9
 - ☐ C. 6
 - ☐ D. 15

Q.42 Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 4% per annum rate of interest.

- Ans**
- ☒ A. 77
 - ☐ B. 177
 - ☐ C. 57
 - ☐ D. 127

Q.43 A recipe requires flour and sugar in the ratio 3 : 2. If a baker uses 600 grams of flour, how much quantity (in grams) of sugar is needed?

- Ans**
- ☐ A. 500
 - ☒ B. 400
 - ☐ C. 450
 - ☐ D. 360

Q.44 Kaushal travelled for 22 hours 3 minutes at the speed of 20 km/h. At what speed (in km/h) should he travel to cover the same distance in 21 hours?

- Ans ☐ A. 20
☐ B. 19
☒ C. 21
☐ D. 18

Q.45 A rectangular water tank measuring 80 cm × 60 cm × 50 cm contains water up to a height of 30 cm. A solid metal cube of edge 20 cm and a solid metal cuboid of dimensions 26 cm × 13 cm × 10 cm are dropped into the tank. Find the rise in the water level (rounded off to two decimal places).

- Ans ☐ A. 2.67 cm
☐ B. 2.97 cm
☐ C. 2.17 cm
☒ D. 2.37 cm

Q.46 Working alone, X takes 12 days, Y takes 15 days, and Z takes 20 days to complete a task. How many days will be required to complete the task if they work together?

- Ans ☐ A. 6 days
☒ B. 5 days
☐ C. 8 days
☐ D. 4 days

Q.47 In 8 years, Dhruv will be twice as old as Divya. Four years ago, he was four times as old as Divya. Find the present age of Dhruv.

- Ans ☐ A. 30 years
☐ B. 20 years
☒ C. 28 years
☐ D. 26 years

Q.48 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 18% and 51%, shop II allows successive discounts of 59% and 89%, shop III allows successive discounts of 57% and 40% and shop IV allows successive discounts of 68%, 69% and 27% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans ☐ A. I
☐ B. III
☐ C. IV
☒ D. II

Q.49 Saurav deposited a certain sum of money at the rate of 20% per annum, compounded annually. At the end of 2 years, the total amount received was ₹70,164. What was the sum of money deposited by Saurav?

- Ans ☒ A. ₹48,725
☐ B. ₹48,606
☐ C. ₹48,931
☐ D. ₹48,407

Q.50 The value of $3(\sec^2\theta + \operatorname{cosec}^2\theta) - 10(\cot^2\theta \times \cos^2\theta)$, when $\theta = 45^\circ$, is

- Ans ☐ A. -7
☐ B. 13
☐ C. 10
☒ D. 7

Section : General Intelligence and Reasoning

Q.51 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) P A O R T L Z O Q W E U M H B D E X D E S A (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. 5
 - ☒ B. 3
 - ☒ C. 4
 - ☒ D. 6

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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ A. YCA
 - ☒ B. NSP
 - ☒ C. BFD
 - ☒ D. ZDB

Q.53 20 people are sitting in a row facing north. Tarun is 5th from the right end of the row. If Aman sits 10th to the left of Tarun, what is Aman's position from the right end of the row?

- Ans
- ☒ A. 16th
 - ☒ B. 13th
 - ☒ C. 15th
 - ☒ D. 14th

Q.54 Each letter in the word INJURED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is fourth from the left and the one that is second from the right in the new letter-cluster thus formed?

- Ans
- ☒ A. 8
 - ☒ B. 10
 - ☒ C. 6
 - ☒ D. 7

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.

MNO : LPL
IPH : HRE

- Ans
- ☒ A. HGR : GIO
 - ☒ B. NVS : MWP
 - ☒ C. OKL : NMH
 - ☒ D. RRL : QTH

Q.56 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) C G I D Q R O A J Y C E C P B Q I F O O J C (Right)

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

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

Q.57 What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$73 - 13 \div 8 + 123 \times 3 = ?$$

- Ans**
- ☐ A. 133
 - ☒ B. 136
 - ☐ C. 139
 - ☐ D. 135

Q.58 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'.

How is Kartik related to Naira if 'Kartik # Manish % Uday @ Chanchal \$ Naira'?

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

Q.59 Six people, C, D, E, O, P and Q, are sitting in a row, facing north.
Only three people sit to the left of E. Only C sits to the right of D. Only two people sit between D and P. Q sits at some place to the right of O.
How many people sit between O and Q?

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

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 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. JN-RX
 - ☒ B. CG-VO
 - ☐ C. UY-CI
 - ☐ D. VZ-DJ

Q.61 23 is related to 258 following a certain logic. Following the same logic, 31 is related to 346. To which of the following is 46 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 526
☒ B. 511
☒ C. 565
☒ D. 539

Q.62 Junaid starts from Point A and drives 17 km towards north. He then takes a right turn, drives 16 km, turns right and drives 22 km. He then takes a right turn and drives 19 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. 1 km towards east
☒ B. 3 km towards east
☒ C. 2 km towards east
☒ D. 4 km towards east

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?

$$213 \text{ D } 48 \text{ C } 5 \text{ B } 54 \text{ A } 9 = ?$$

- Ans** ☒ A. 198
☒ B. 193
☒ C. 195
☒ D. 194

Q.64 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 son of B',
and A ÷ B means 'A is the husband of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

- Ans** ☒ A. Son's daughter
☒ B. Daughter's daughter
☒ C. Daughter
☒ D. Sister

Q.65 Shankar started walking from Point A. He walked towards south for 5 km. He took a right turn and walked for 7 km. There he took a left turn and walked for 2 km. Again, he took a left turn and walked for 9 km. At last, he took a left turn and walked for 7 km. How far (shortest distance) and towards which direction should he walk in order to reach Point A again?

- Ans** ☒ A. 2 km towards east
☒ B. 7 km towards west
☒ C. 2 km towards west
☒ D. 7 km towards east

Q.66 What should come in place of ? in the given series based on the English alphabetical order?

DCF HGJ LKN POR ?

- Ans**
- ☒ A. TTU
 - ☒ B. TSV
 - ☒ C. TRU
 - ☒ D. TUV

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.

DOG : GRJ

BST : EVW

- Ans**
- ☒ A. TEL : VHP
 - ☒ B. KAL : NDO
 - ☒ C. CIG : FKJ
 - ☒ D. EHL : IFP

Q.68 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$238 \div 65 \times 455 - 265 + 139 = ?$

- Ans**
- ☒ A. 160
 - ☒ B. 126
 - ☒ C. 261
 - ☒ D. 106

Q.69 This question is based on the given words.

TSO MUD FAN KID

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

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

Q.70 Each letter in the word ENCRYPT is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

- Ans**
- ☒ A. Q
 - ☒ B. B
 - ☒ C. O
 - ☒ D. X

Q.71 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: NOA :: RUZ : %

- Ans**
- ☒ A. # = PMC, % = PWY
 - ☒ B. # = PMC, % = PWU
 - ☒ C. # = PMC, % = PWX
 - ☒ D. # = PMC, % = PYX

Q.72 G, H, J, K, L, and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. Only two people live between H and K. Only P lives above G. J lives on an even-numbered floor. H lives on the lowermost floor. How many people live between L and P?

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

Q.73 What should come in place of the question mark (?) in the given series?

66 59 53 48 44 41 ?

- Ans**
- ☐ A. 38
 - ☐ B. 37
 - ☐ C. 40
 - ☒ D. 39

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 statement(s).

Statements:

All wallets are jugs.

Some wallets are mats.

Conclusions:

(I) Some jugs are mats.

(II) All mats are wallets.

- 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 This question is based on the given words.

FIRE BOND GULP CROW

In each of the words, each consonant is changed to the letter immediately preceding it in the English alphabetical order and each vowel is kept unchanged. How many words thus formed have more than one vowel?

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

Q.76 Purshottam starts from Point A and drives 13 km towards the north. He then takes a left turn, drives 8 km, turns left and drives 21 km. He then takes a left turn and drives 13 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. 5 km to the west
 - ☐ B. 6 km to the east
 - ☐ C. 5 km to the east
 - ☐ D. 6 km to the west

Q.77 Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) T Y & 3 4 @ 5 F # G % H 7 9 V B 6 N 4 * (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the right?

- Ans**
- ☐ A. #
 - ☐ B. V
 - ☒ C. H
 - ☐ D. &

Q.78 3 is related to 12 in a certain way. Following the same way, 12 is related to 48. To which of the following is 16 related, following the same logic?
(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.)

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

Q.79 Eight boxes, M, N, O, P, Q, R, S and T, are kept one over the other, but not necessarily in the same order.
Only three boxes are kept between N and R. Only two boxes are kept between R and M. Only two boxes are kept between O and T. T is kept at lowermost position. S is kept immediately above Q. Only P is kept exactly between R and O. T is kept immediately below R.
How many boxes are kept exactly between T and M?

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

Q.80 A, B, C, D, E, F and G are sitting in a straight line facing the north.
No one sits to the right of G. Only three people sit between G and F. Only two people sit between F and B. C sits third to the left of D. E sits to the immediate right of D.
How many people sit to the right of F?

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

Section : General Awareness and Current Affairs

Q.81 The Khelo India Tribal Games were held from 25 March to 3 April 2026 in which state?

- Ans**
- ☒ A. Chhattisgarh
 - ☐ B. Odisha
 - ☐ C. Madhya Pradesh
 - ☐ D. Jharkhand

Q.82 Which state government introduced cyber safety protocols specifically for school children in March 2026?

- Ans**
- ☐ A. Tamil Nadu
 - ☐ B. Maharashtra
 - ☒ C. Kerala
 - ☐ D. Karnataka

Q.83 In 2026, NITI Aayog launched the strategic framework "DPI@2047 for Viksit Bharat". What does "DPI" stand for?

- Ans**
- ☐ A. Digital Policy Initiative
 - ☒ B. Digital Public Infrastructure
 - ☐ C. Development Planning Index
 - ☐ D. Dynamic Policy Integration

Q.84 Which indigenous technology had been launched by the Union Minister of Communications on 02 May 2026 to strengthen India's emergency communication systems and enhance public safety infrastructure under the guidance of the Ministry of Home Affairs?

- Ans**
- ☐ A. Global Positioning System
 - ☐ B. Satellite Tracking Network
 - ☒ C. Cell Broadcast System
 - ☐ D. National Emergency Radio Grid

Q.85 In early 2026, which legendary actor from Maharashtra was posthumously recognized for his significant contributions to Indian commercial and parallel cinema by receiving the Padma Vibhushan in Art?

- Ans**
- ☒ A. Shri Dharmendra Singh Deol
 - ☐ B. Shri Amol Palekar
 - ☐ C. Shri Nana Patekar
 - ☐ D. Shri Dilip Prabhavalkar

Q.86 The EOS-N1 satellite, carried by the PSLV-C62 mission in January 2026, was developed by which organisation?

- Ans**
- ☐ A. Indian Space Research Organisation
 - ☐ B. National Aerospace Laboratories
 - ☒ C. Defence Research and Development Organisation
 - ☐ D. Bharat Electronics Limited

Q.87 Which organisation released the "Women, Business and the Law 2026" report, highlighting the global gap between gender equality laws and their implementation?

- Ans**
- ☐ A. United Nations Development Programme
 - ☐ B. World Economic Forum
 - ☒ C. World Bank Group
 - ☐ D. International Monetary Fund

Q.88 India's flagship global textile event 'Bharat Tex 2026' will be held in:

- Ans**
- ☒ A. New Delhi
 - ☐ B. Ahmedabad
 - ☐ C. Mumbai
 - ☐ D. Bengaluru

Q.89 According to the Supreme Court ruling in 2026, Scheduled Caste status had been restricted to followers of which religions under the Constitution (Scheduled Castes) Order, 1950?

- Ans**
- ☐ A. Hinduism, Jainism and Christianity
 - ☐ B. Hinduism, Christianity and Buddhism
 - ☐ C. Sikhism, Islam and Buddhism
 - ☒ D. Hinduism, Sikhism and Buddhism

Q.90 The Indian Pharmacopoeia Commission (IPC) signed three MoUs in November 2025 with Nagaland Medical Council, Nagaland State Drugs Control Administration (NSDCA), and Nagaland State Pharmacy Council primarily to strengthen which of the following areas in the state?

- Ans**
- ☐ A. Establishment of new medical colleges
 - ☐ B. Implementation of tele-medicine services
 - ☐ C. Expansion of health insurance coverage
 - ☒ D. Promotion of pharmacovigilance and materiovigilance activities

Q.91 What was the name of the app launched by Union Minister Kiren Rijiju under the PMJVK Scheme during the National Chintan Shivir held at Nalanda University, Rajgir, Bihar, in February 2026?

- Ans**
- ☐ A. PRAGATI App
 - ☐ B. SAMVAD App
 - ☐ C. UMEED App
 - ☒ D. NIGRANI App

Q.92 Who won the Laureus World Comeback of the Year Award at the 2026 Laureus World Sports Awards, after completing golf's Career Grand Slam with a Masters victory — 11 years after his last Major win?

- Ans**
- ☐ A. Tiger Woods
 - ☒ B. Rory McIlroy
 - ☐ C. Jon Rahm
 - ☐ D. Justin Rose

Q.93 In May 2026, the Indian para-athlete Sumit Antil broke his own World Record in the Men's Javelin F64 category. What was the distance of his record-breaking throw?

- Ans**
- ☐ A. 80.02 meters
 - ☐ B. 70.50 meters
 - ☒ C. 74.82 meters
 - ☐ D. 73.29 meters

Q.94 Which country was represented by Dr. Iroro Tanshi, who was announced as a recipient of the 2026 Goldman Environmental Prize for protecting the endangered short-tailed roundleaf bat and its habitat in the Afi Mountain Wildlife Sanctuary?

- Ans**
- ☐ A. Brazil
 - ☐ B. South Korea
 - ☒ C. Nigeria
 - ☐ D. Colombia

Q.95 In which state had Oil India Limited unlocked a new gas-bearing pay zone in the Dandewala Field from the Sanu Formation in 2026?

- Ans**
- ☐ A. Assam
 - ☐ B. Odisha
 - ☐ C. Gujarat
 - ☒ D. Rajasthan

Q.96 Which of the following cricketers from Maharashtra received the Padma Shri in 2026?

- Ans**
- ☐ A. Shikhar Dhawan
 - ☒ B. Rohit Sharma
 - ☐ C. Sachin Tendulkar
 - ☐ D. Hardik Pandya

Q.97 Which organisation had released the operational guidelines for implementation of the BHAVYA Scheme aimed at developing investment-ready industrial parks across India in May 2026?

- Ans**
- ☒ A. Department for Promotion of Industry and Internal Trade
 - ☐ B. Department for Development of Industrial Trade and Commerce
 - ☐ C. Department for Industrial Infrastructure and Investment Promotion
 - ☐ D. Department for Manufacturing and Industrial Enterprise Development

Q.98 What was the name of the weapon whose maiden flight-trial had been successfully conducted by DRDO and the Indian Air Force off the coast of Odisha in May 2026?

- Ans**
- ☐ A. Advanced Tactical Glide System
 - ☐ B. Indigenous Air Strike Augmentation System
 - ☐ C. Precision Range Extension Weapon
 - ☒ D. Tactical Advanced Range Augmentation

Q.99 For a lower-middle-income country like India, which figure in 2023 best reflects the average proportion of the population covered by at least one social protection benefit, according to the report?

- Ans**
- ☐ A. 32.4%
 - ☐ B. 85.9%
 - ☐ C. 9.7%
 - ☒ D. 71.2%

Q.100 What was the key outcome of the RBI's Monetary Policy Committee meeting in October 2025?

- Ans**
- ☒ A. A decision to keep the repo rate unchanged at 5.50%.
 - ☐ B. A reduction in the repo rate to 5.25% to boost credit flow.
 - ☐ C. An increase in the repo rate to 6.5% to curb inflation.
 - ☐ D. The introduction of a 25 basis points Cash Reserve Ratio (CRR) hike.



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Gram Raigawan Near Patan Bypass
Test Date	12/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What property of an object does the first law of motion primarily describe?

- Ans
- ☐ A. Energy
 - ☐ B. Acceleration
 - ☒ C. Inertia
 - ☐ D. Momentum

Q.2 What chemical process mainly causes unpleasant smell and taste in oily food items?

- Ans
- ☐ A. Action of enzymes
 - ☐ B. Evaporation of water
 - ☒ C. Oxidation of fats and oils
 - ☐ D. Fermentation of sugars

Q.3 A botanist is designing a water-efficient vertical garden for a city building. Which simple permanent tissue should be mainly used to provide both support and flexibility to withstand wind?

- Ans
- ☐ A. Sclerenchyma
 - ☐ B. Parenchyma
 - ☒ C. Collenchyma
 - ☐ D. Epidermal tissue

Q.4 A patient who frequently chews tobacco products develops difficulty in swallowing and persistent mouth sores. Which health condition is most likely indicated?

- Ans
- ☐ A. Diabetes
 - ☐ B. Asthma
 - ☐ C. Hepatitis
 - ☒ D. Oral cancer

Q.5 Which of the following statements best describes a saturated carbon compound?

- Ans
- ☐ A. A saturated carbon compound contains at least one double bond between carbon atoms.
 - ☐ B. A saturated carbon compound contains a benzene ring in its structure.
 - ☐ C. A saturated carbon compound contains at least one triple bond between carbon atoms.
 - ☒ D. A saturated carbon compound contains only single bonds between carbon atoms.

Q.6 Why can a solenoid be used to magnetise a piece of soft iron placed inside it?

- Ans**
- ☒ A. Because the solenoid produces a strong and uniform magnetic field inside it
 - ☐ B. Because the solenoid creates a weak and scattered magnetic field inside it
 - ☐ C. Because the solenoid produces a non-uniform field only outside it
 - ☐ D. Because the solenoid blocks magnetic fields from entering soft iron

Q.7 Which of the following is a chemical change and NOT a physical change?

- Ans**
- ☐ A. Melting of ice
 - ☒ B. Rusting of iron
 - ☐ C. Dissolving sugar in water
 - ☐ D. Boiling of water

Q.8 A student shouts facing a tall building 176 meters away and hears the echo after 1 second. What is the speed of sound in air based on this observation?

- Ans**
- ☐ A. 400 m/s
 - ☒ B. 352 m/s
 - ☐ C. 330 m/s
 - ☐ D. 176 m/s

Q.9 Sodium carbonate (washing soda) is used in which of the following industries?

- a. glass
- b. soap
- c. paper

- Ans**
- ☐ A. Only a and c
 - ☐ B. Only a and b
 - ☐ C. Only b and c
 - ☒ D. a, b and c

Q.10 Which statement best describes the law of conservation of energy?

- Ans**
- ☒ A. Energy cannot be created or destroyed; it only changes form.
 - ☐ B. Energy always increases in a closed system.
 - ☐ C. Energy is used up during physical processes and disappears.
 - ☐ D. Energy can be destroyed but not created.

Q.11 A couple is considering permanent surgical contraception to avoid future pregnancies. Which of these is a limitation of this approach in the context of sexually transmitted diseases?

- Ans**
- ☐ A. Is reversible by oral pills
 - ☐ B. Causes uterine irritation
 - ☒ C. Does not prevent infections
 - ☐ D. Increases hormonal side effects

Q.12 A new land plant has vascular tissues but no flowers or seeds. Which group does it belong to, and which significant challenge does this group face?

- Ans**
- ☐ A. Gymnosperm; reliance on water for fertilisation
 - ☒ B. Pteridophyta; absence of seeds limits reproductive success
 - ☐ C. Bryophyta; lack of vascular tissues for transport
 - ☐ D. Angiosperm; seeds exposed to environment

Q.13 A student heats ethanol with alkaline potassium permanganate. Which observation confirms that the oxidation process occurred?

- Ans**
- ☐ A. no change in color or smell
 - ☐ B. formation of a sweet-smelling ester
 - ☐ C. evolution of a gas with a burning smell
 - ☒ D. purple color of KMnO_4 fades and a sharp-smelling liquid forms

Q.14 Which statement correctly compares information conduction in plants and animals?

- Ans**
- ☐ A. Both use same tissue
 - ☐ B. Animals lack conduction
 - ☐ C. Plants use nerves
 - ☒ D. Plants lack specialized tissue

Q.15 Which of the following statements are correct according to Bohr's model of the atom?

Electrons revolve around the nucleus in fixed circular paths called energy levels or shells.

The energy of electrons changes continuously while revolving in a particular orbit.

Energy is absorbed or emitted only when an electron jumps from one energy level to another.

- Ans**
- ☒ A. Only 1 and 3 are correct
 - ☐ B. All statements are correct
 - ☐ C. Only 1 and 2 are correct
 - ☐ D. Only 2 and 3 are correct

Q.16 A scientist groups forest animals first by their feeding habits and then by habitat. Which is the main advantage of this multi-criteria classification approach?

- Ans**
- ☐ A. It simplifies taxonomy
 - ☐ B. It focuses on genetic similarity
 - ☐ C. It reduces the number of groups
 - ☒ D. It reveals functional relationships

Q.17 Which factor does **NOT** contribute to immediate plant movement after a stimulus?

- Ans**
- ☐ A. Shape change
 - ☒ B. Muscle contraction
 - ☐ C. Signal transfer
 - ☐ D. Water flow

Q.18 During aerobic respiration in animals, the breakdown of a three-carbon pyruvate molecule produces carbon dioxide and _____.

- Ans**
- ☐ A. Lactic acid
 - ☐ B. Ethanol
 - ☒ C. Water
 - ☐ D. Glucose

Q.19 Where are protons located within an atom?

- Ans**
- ☒ A. In the nucleus of an atom
 - ☐ B. Outside the atom
 - ☐ C. In the electron cloud
 - ☐ D. In the atomic shell

Q.20 A worker is choosing among four levers to lift a heavy concrete block. To reduce the effort required as much as possible, which lever should the worker select?

- Ans
- ☐ A. Effort arm = 30 cm, Load arm = 15 cm
 - ☐ B. Effort arm = 50 cm, Load arm = 25 cm
 - ☐ C. Effort arm = 20 cm, Load arm = 20 cm
 - ☒ D. Effort arm = 40 cm, Load arm = 10 cm

Q.21 Which of the following statements best describes how the speed of sound changes as it moves from air into water?

- Ans
- ☐ A. The speed of sound is slower in water than in air.
 - ☐ B. The speed of sound decreases when moving from air to water.
 - ☒ C. The speed of sound increases when moving from air to water.
 - ☐ D. The speed of sound remains the same in both air and water.

Q.22 Which of the following situations shows an object with zero linear velocity on a position-time graph?

- Ans
- ☐ A. A curved line rising from left to right.
 - ☐ B. An upward-sloping straight line from the origin.
 - ☒ C. A horizontal straight line parallel to the time axis.
 - ☐ D. A downward-sloping straight line from the origin.

Q.23 Why do the seven colors of sunlight emerge separately after passing through a prism?

- Ans
- ☐ A. All colors move at the same speed in glass
 - ☐ B. Prism shape blocks some colors
 - ☒ C. Different colors travel at different speeds in glass
 - ☐ D. Colors are absorbed at different rates

Q.24 Read the given statements of Assertion (A) and Reason (R) carefully and select the correct option.

(A): Copper can be obtained from copper oxide by heating it with carbon.

(R): Copper is low in the activity series and can be reduced by simple heating.

- Ans
- ☒ A. A is true, but R is false.
 - ☐ B. A is false, but R is true.
 - ☐ C. Both A and R are true, but R is not the correct explanation of A.
 - ☐ D. Both A and R are true, and R is the correct explanation of A.

Q.25 What will happen to the resistance of a wire if both the current and voltage are increased by the same factor?

- Ans
- ☒ A. The resistance will remain unchanged.
 - ☐ B. The resistance will increase.
 - ☐ C. The resistance will depend on the factor increase.
 - ☐ D. The resistance will decrease.

Section : Mathematics

Q.26 A can do the work in 6 days, B in 8 days and C in 24 days. If all three work together and C leaves after 3 days, in how many total days will the work be completed?

- Ans
- ☐ A. 2.5 days
 - ☐ B. 1.5 days
 - ☐ C. 2 days
 - ☒ D. 3 days

Q.27 Simplify: $2^3 \times 2^2 \div 2^4$

- Ans ☒ A. 2
☐ B. 1
☐ C. 4
☐ D. 8

Q.28 A sum of money earns interest at a rate of 20% per annum, compounded half-yearly. An amount of ₹4,000 is invested on 1 January and another of ₹5,500 is invested on 1 July of the same year. Find the total interest earned at the end of the year.

- Ans ☐ A. ₹1,350
☐ B. ₹1,240
☐ C. ₹1,280
☒ D. ₹1,390

Q.29 Which of the following pairs of numbers is co-prime with each other?

- Ans ☐ A. 96 and 111
☐ B. 63 and 91
☐ C. 24 and 51
☒ D. 101 and 77

Q.30 A solid metallic right circular cone with a radius of 7 cm and a height of 28 cm is melted and recast into the shape of a sphere. Find the radius of the sphere formed.

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

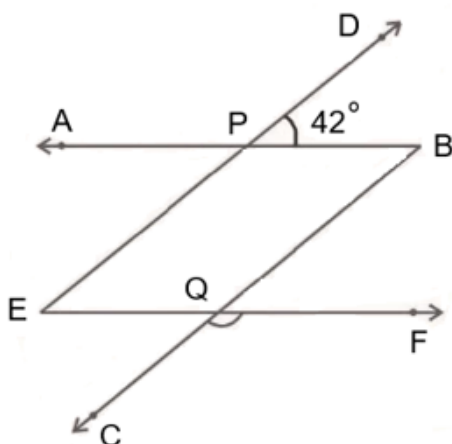
Q.31 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 28% and 93%, shop II allows successive discounts of 41% and 13%, shop III allows successive discounts of 19% and 67% and shop IV allows successive discounts of 31%, 59% and 25% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans ☐ A. IV
☐ B. III
☒ C. I
☐ D. II

Q.32 In an election between two candidates, the candidate who got 59% of valid votes won by a majority of 450 votes. Find the total valid votes.

- Ans ☐ A. 2540
☒ B. 2500
☐ C. 2456
☐ D. 2350

- Q.33 In the given figure, $AB \parallel EF$, $ED \parallel CB$ and $\angle BPD$ is 42° . What is the measure of $\angle CQF$?



- Ans ☒ A. 142°
☒ B. 42°
☒ C. 38°
☒ D. 138°

- Q.34 Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 16% per annum rate of interest.

- Ans ☒ A. 308
☒ B. 408
☒ C. 358
☒ D. 288

- Q.35 The average marks of 20 students is 60, and that of another 30 students is 80. What is the combined average marks obtained per student?

- Ans ☒ A. 70
☒ B. 72
☒ C. 74
☒ D. 68

- Q.36 If $x + y = 5$ and $\frac{1}{x} + \frac{1}{y} = \frac{20}{9}$, then the value of $x^3 + y^3$ is:

- Ans ☒ A. $\frac{365}{4}$
☒ B. $\frac{365}{3}$
☒ C. $\frac{356}{7}$
☒ D. $\frac{367}{7}$

Q.37 A man can row at 8.5 km/h in still water. He finds it takes twice as long to row upstream as downstream for the same distance. Find the speed of the current.

- Ans
- ☐ A. $1\frac{7}{8}$ km/hr
 - ☒ B. $2\frac{5}{6}$ km/hr
 - ☐ C. $3\frac{5}{7}$ km/hr
 - ☐ D. $4\frac{3}{4}$ km/hr

Q.38 If $\frac{\sec\theta + \tan\theta}{\sec\theta - \tan\theta} = 5\frac{3}{13}$, then the value of $\sin\theta$ is:

- Ans
- ☒ A. $\frac{55}{81}$
 - ☐ B. $\frac{45}{81}$
 - ☐ C. $\frac{29}{81}$
 - ☐ D. $\frac{23}{81}$

Q.39 The ratio of two numbers is 3 : 5. If the first number is 24, what is the second number?

- Ans
- ☐ A. 42
 - ☒ B. 40
 - ☐ C. 38
 - ☐ D. 36

Q.40 Kaushal travelled for 1 hour 40 minutes at the speed of 114 km/h. At what speed (in km/h) should he travel to cover the same distance in 5 hours?

- Ans
- ☐ A. 41
 - ☐ B. 40
 - ☐ C. 35
 - ☒ D. 38

Q.41 Given that $27^{0.48} = x$, $27^{0.86} = y$ and $x^z = y^{10}$, then the value of z is close to:

- Ans
- ☒ A. 17.92
 - ☐ B. 17.02
 - ☐ C. 18.65
 - ☐ D. 20.86

- Q.42 The following table shows the number of laptops sold by a company in different cities along with the price per laptop.

City	Laptops Sold	Price per Laptop (₹)
Delhi	120	45,000
Mumbai	150	48,000
Chennai	100	42,000
Kolkata	130	46,000

Find the total revenue (in ₹) generated from laptop sales in Chennai and Kolkata.

- Ans ☐ A. 1,04,80,000
☐ B. 1,03,80,000
☒ C. 1,01,80,000
☐ D. 1,02,80,000

- Q.43 X and Y start a partnership with investments of Rs. 70,000 and Rs 50,000, respectively. After 6 months, Y invests an additional Rs 20,000. If the total profit after a year is 58,500, what is Y's share?

- Ans ☐ A. Rs 24,000
☐ B. Rs 29,000
☒ C. Rs 27,000
☐ D. Rs 25,000

- Q.44 Calculate the compound interest earned on ₹2,500 for 2 years at 6% per annum, compounded annually.

- Ans ☐ A. ₹306
☐ B. ₹312
☐ C. ₹300
☒ D. ₹309

- Q.45 What is the value of $(4x + 9y)$, if mean of the following distribution is 50?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	5	17	x	7	y	41

- Ans ☒ A. 98
☐ B. 87
☐ C. 108
☐ D. 103

- Q.46 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. increase by ₹11,642
☒ B. decrease by ₹11,645
☐ C. decrease by ₹11,647
☐ D. increase by ₹11,647

- Q.47 If the side (in cm) of a regular pentagon is equal to the HCF of 18 and 27, then what is the perimeter (in cm) of the pentagon?

- Ans ☐ A. 54
☐ B. 27
☐ C. 36
☒ D. 45

Q.48 Arvind bought an article for ₹x. He sold it to Biru at a loss of 20%. Biru spent ₹140 on its transportation and sold it to Minu at a profit of 46%. If Minu bought it for ₹1,752, then what is the value of x?

- Ans ☐ A. 1,356
☐ B. 1,357
☒ C. 1,325
☐ D. 1,344

Q.49 The mean of a dataset is 6 more than its mode. If the median is 24, then find the mean.

- Ans ☐ A. 30
☒ B. 26
☐ C. 24
☐ D. 28

Q.50 Find the value of $\frac{\sqrt{1 + \sin 4\theta}}{\sqrt{1 - \sin 4\theta}}$.

- Ans ☐ A. $\tan 4\theta + \cot 4\theta$
☒ B. $\sec 4\theta + \tan 4\theta$
☐ C. $\sec 4\theta - \tan 4\theta$
☐ D. $-\sec 4\theta + \tan 4\theta$

Section : General Intelligence and Reasoning

Q.51 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 flowers are plants.
Some plants are trees.

Conclusions:

(I) Some trees are flowers.
(II) All flowers are trees.

- 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.52 Rakesh ranked 56th from the top and 12th from the bottom in his class. How many students are there in his class?

- Ans ☐ A. 66
☐ B. 68
☒ C. 67
☐ D. 65

Q.53 NZ 15 is related to PY 4 in a certain way. In the same way, EL 8 is related to GK -3. To which of the following is OQ 18 related, following the same logic?

- Ans ☒ A. QP 7
☐ B. GT 4
☐ C. GR 6
☐ D. PU 8

Q.54 Refer to the following letter, 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) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 Ω E C D (Right)

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

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

Q.55 In a certain code language "YCMI" is coded as "174" and " PSXE" is coded as "132" . What is the code for "LAMU" in the given language?

- Ans** ☐ A. 172
☒ B. 183
☐ C. 187
☐ D. 176

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 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. LR - QW
☒ B. KQ - JI
☐ C. MS - RX
☐ D. IO - NT

Q.57 This question is based on the following words.

PET HUS DOG THY

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.58 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?

227 C 135 A 9 B 5 D 89 = ?

- Ans** ☒ A. 213
☐ B. 206
☐ C. 205
☐ D. 158

Q.59 31 is related to 62 in a certain way. Following the same way, 26 is related to 52. To which of the following is 4 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 5
☐ B. 3
☐ C. 7
☒ D. 8

Q.60 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) 6 5 2 9 4 4 5 7 7 6 3 2 1 8 8 3 8 7 3 6 3 3 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. None
☒ C. Two
☐ D. One

Q.61 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. Only two people are seated between F and C when counted from the left of C. D is seated third to the left of E. B is seated to the immediate right of E. B is seated second to the left of F. G is an immediate neighbour of D. How many people are seated between A and C when counted from the right of C?

- Ans** ☐ A. 3
☐ B. 4
☒ C. 2
☐ D. 1

Q.62 Eight boxes, A, B, C, D, E, F, G and H, are kept one over the other, but not necessarily in the same order.

A is kept at third position from the top. Only three boxes are kept between D and A. Only F is kept between C and G. Only two boxes are kept between C and H. B is kept at one of the positions above G.

How many boxes are kept exactly between A and G?

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

Q.63 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Only one person sits between R and Q. Only five people sit between J and Z. R sits to the immediate left of Z. K sits at some place to the left of I but at some place to the right of P.

Who sits third from the left end of the row?

- Ans** ☐ A. Q
☐ B. R
☒ C. K
☐ D. I

Q.64 G is mother of H. H is wife of I. I is father of J. How is G related to J?

- Ans
- ☐ A. Mother
 - ☐ B. Sister
 - ☐ C. Father's Mother
 - ☒ D. Mother's Mother

Q.65 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?

$$20 D 66 A 3 C 10 B 9 = ?$$

- Ans
- ☐ A. 87
 - ☒ B. 88
 - ☐ C. 86
 - ☐ D. 85

Q.66 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) \ ^ 8 / 1 1 % 4 % 3 \ ? / 2 / @ 7 ? @ @ \$ (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. None
 - ☒ C. One
 - ☐ D. Three

Q.67 JJ 8 is related to LF -1 in a certain way. In the same way, UP 5 is related to WL -4. To which of the following is QQ 12 related, following the same logic?

- Ans
- ☐ A. FR 2
 - ☒ B. SM 3
 - ☐ C. HJ 4
 - ☐ D. WR 1

Q.68 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?
12 P 6 R (40 Q 8) P 7 = ?

- Ans
- ☒ A. 37
 - ☐ B. 21
 - ☐ C. 59
 - ☐ D. 44

Q.69 Town L is to the west of Town P. Town N is to the north of Town P. Town S is to the west of Town N. Town M is to the south of Town S. Town L is to the north-west of Town M. What is the position of Town S with respect to Town L?

- Ans
- ☐ A. South-east
 - ☐ B. North-west
 - ☐ C. South-west
 - ☒ D. North-east

Q.70 Each letter in the word VOTABLE is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fifth from the left and the one which is first from the right in the new letter cluster thus formed?

- Ans**
- ☒ A. 4
 - ☒ B. 8
 - ☒ C. 6
 - ☒ D. 5

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.

KNU : HPX
GPP : DRS

- Ans**
- ☒ A. YVQ : VWT
 - ☒ B. QLJ : NNL
 - ☒ C. KJE : HLH
 - ☒ D. FNH : CPJ

Q.72 All the individual letters in the word FILCHED are arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter cluster thus formed?

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

Q.73 Raman ranked 15th from the top and 10th from the bottom in his class. What is the total number of students in his class?

- Ans**
- ☒ A. 24
 - ☒ B. 22
 - ☒ C. 23
 - ☒ D. 25

Q.74 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. PSW
 - ☒ B. MPT
 - ☒ C. KOR
 - ☒ D. ZCG

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 ostriches are kiwis.

No ostrich is a pigeon.

Conclusions:

(I) No kiwi is a pigeon.

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

53 56 62 71 83 98 ?

- Ans**
- ☒ A. 116
 - ☐ B. 121
 - ☐ C. 113
 - ☐ D. 124

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 + B' means 'A is the wife of B',
'A % B' means 'A is the father of B'.

How is M related to T if 'M - N % P + S × T'?

- Ans**
- ☐ A. Son's wife's father
 - ☐ B. Son's wife's brother
 - ☒ C. Son's wife's father's brother
 - ☐ D. Son's wife's father's father

Q.78 This question is based on the following words:

NAP KIT GUN DRY

If in each of the words, each letter is changed to the immediate letter following it in the English alphabetical order, how many letter-clusters thus formed will have no vowel?

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

Q.79 What should come in place of ? in the given series based on the English alphabetical order?

OUF LSE IQD ? CMB

- Ans**
- ☐ A. KJU
 - ☒ B. FOC
 - ☐ C. GTF
 - ☐ D. FTR

Q.80 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

76 - 456 - 423 ;

85 - 510 - 477

Ans ☒ A. 93 - 558 - 525

☒ B. 55 - 360 - 330

☒ C. 68 - 408 - 373

☒ D. 71 - 426 - 383

Section : General Awareness and Current Affairs

Q.81 Which country won the ICC Men's T20 Cricket World Cup 2026 in the final held at Narendra Modi Stadium, Ahmedabad?

Ans ☒ A. India

☒ B. New Zealand

☒ C. Australia

☒ D. England

Q.82 Which agreement was jointly announced at the Sixteenth India-European Union Summit held during the visit of the European leaders to India in January 2026, marking a significant milestone in economic relations between the two regions?

Ans ☒ A. India-European Union Free Trade Agreement

☒ B. India-European Union Common Currency Integration Pact

☒ C. India-European Union Unified Military Command Treaty

☒ D. India-European Union Multilateral Nuclear Supply Accord

Q.83 On 28 February 2026, the United States and Israel launched a series of military strikes targeting which country's nuclear and ballistic missile programme, with the stated goal of regime change?

Ans ☒ A. Iraq

☒ B. Yemen

☒ C. Iran

☒ D. Syria

Q.84 In the context of the December 2025 breakthrough in computer-aided drug discovery, the novel open-source computational framework PathGennie primarily addresses which key limitation of traditional molecular dynamics (MD) simulations?

Ans ☒ A. Incompatibility of MD simulations with quantum chemical calculations

☒ B. Inability to compute drug binding affinity under physiological pH

☒ C. Difficulty in accurately simulating rare unbinding events without introducing artificial bias forces

☒ D. Excessive memory consumption during protein structure visualization

Q.85 The Jan Vishwas (Amendment of Provisions) Bill, 2026, which received Presidential assent in April 2026, proposed to amend how many Central Acts to reduce the criminalisation of minor offences?

Ans ☒ A. 79 Central Acts

☒ B. 62 Central Acts

☒ C. 95 Central Acts

☒ D. 45 Central Acts

Q.86 In its April 2026 bi-monthly policy, the RBI proposed the removal of the requirement for due diligence at the time of onboarding entities onto which platform, primarily to support MSMEs?

- Ans**
- ☐ A. The Factoring Regulation Act (FRA) portal
 - ☐ B. The Sovereign Gold Bond (SGB) Scheme
 - ☐ C. The National Automated Clearing House (NACH)
 - ☒ D. The Trade Receivables Discounting System (TReDS)

Q.87 Which novel by Daniel Kraus won the 2026 Pulitzer Prize for Fiction — described as a World War I story blending allegory, magical realism, and science fiction, uniquely told in a single sentence?

- Ans**
- ☒ A. Angel Down
 - ☐ B. Vigil
 - ☐ C. Audition
 - ☐ D. Whalefall

Q.88 Which country had retained the top position in the ICC Men's T20I rankings with 275 rating points in May 2026 after successfully defending the T20 World Cup title?

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

Q.89 Which of the following National Parks witnessed the birth of four cubs to an Indian-born female cheetah in the wild in April 2026?

- Ans**
- ☐ A. Bandhavgarh National Park
 - ☐ B. Kanha National Park
 - ☐ C. Sundarbans National Park
 - ☒ D. Kuno National Park

Q.90 Who won the gold medal in the Women's Category at the Para Throwball National Federation Cup 2026?

- Ans**
- ☐ A. Rajasthan
 - ☐ B. Karnataka
 - ☒ C. Jharkhand
 - ☐ D. Maharashtra

Q.91 Who among the following is the author of the book "The Star from Calcutta" published in March 2026?

- Ans**
- ☐ A. Vikram Sampath
 - ☒ B. Sujata Massey
 - ☐ C. Shashi Tharoor
 - ☐ D. Ramachandra Guha

Q.92 Which of the following technologies was highlighted by Headquarters Integrated Defence Staff (HQ IDS) in May 2026 for its ability to enable direct communication between the human and external devices?

- Ans**
- ☐ A. Quantum Communication Network (QCN) system
 - ☐ B. Satellite Navigation Interface (SNI) system
 - ☒ C. Brain-Computer Interface (BCI) system
 - ☐ D. Integrated Battlefield Sensor (IBS) system

Q.93 Which of the following portals was launched by the Ministry of Women and Child Development in January 2026 to enhance ease of living for Women & Children?

- Ans**
- ✓ A. PANKHUDI Portal
 - ✗ B. SACHET Portal
 - ✗ C. SAKSHAM Portal
 - ✗ D. CARA Portal

Q.94 Which Indian swimmer made history in 2026 by becoming the youngest and fastest swimmer in his age category to cross the 29-kilometre Palk Strait between Sri Lanka and India?

- Ans**
- ✗ A. Virdhawal Khade
 - ✗ B. Sajjan Prakash
 - ✓ C. Ishank Singh
 - ✗ D. Srihari Nataraj

Q.95 Who moved the Insolvency and Bankruptcy Code (Amendment) Bill, 2026, for consideration and passage in the Lok Sabha on behalf of the Ministry of Corporate Affairs?

- Ans**
- ✗ A. Union Finance Minister Nirmala Sitharaman
 - ✗ B. Union Law Minister Arjun Ram Meghwal
 - ✗ C. Minister of Corporate Affairs Piyush Goyal
 - ✓ D. Minister of State for Corporate Affairs Harsh Malhotra

Q.96 In the context of annual observances in India, which theme was officially declared by the Department of Science and Technology for National Science Day 2026?

- Ans**
- ✗ A. Empowering Youth through Science
 - ✓ B. Women in Science: Catalyzing Viksit Bharat
 - ✗ C. Science for Rural Development
 - ✗ D. Innovating for Sustainable India

Q.97 India launched the Cell Broadcast System (CBS) in 2026 to improve disaster alerts. During a cyclone threat, which CBS feature enables authorities to instantly warn everyone in the affected area?

- Ans**
- ✗ A. Manual message forwarding
 - ✗ B. Individual call routing
 - ✗ C. Satellite image sharing
 - ✓ D. Geo-targeted broadcasting

Q.98 Who was crowned as Femina Miss India World 2026 at the grand finale in Bhubaneswar, representing Goa?

- Ans**
- ✗ A. Ananya Nair
 - ✗ B. Priya Singh
 - ✗ C. Riya Kumari Sharma
 - ✓ D. Sadhvi Satish Sail

Q.99 According to the Periodic Labour Force Survey (PLFS) for January–March 2026, how did unemployment rates change compared with the October–December 2025 quarter?

- Ans**
- ✗ A. Rural unemployment declined, while urban unemployment increased marginally.
 - ✗ B. Rural and urban unemployment rates increased during the quarter.
 - ✓ C. Rural unemployment increased, while urban unemployment declined marginally.
 - ✗ D. Rural and urban unemployment rates remained unchanged during the quarter.

Q.100 Which organisation had successfully completed the development trials of the Unmanned Aerial Vehicle Launched Precision Guided Missile (ULPGM)-V3 in Air-to-Ground and Air-to-Air modes near Kurnool, Andhra Pradesh, in May 2026?

- Ans**
- ☐ A. Indian Space Research Organisation
 - ☒ B. Defence Research and Development Organisation
 - ☐ C. Hindustan Aeronautics Limited
 - ☐ D. Bharat Dynamics Limited



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



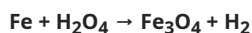
Test Center Name	Yagyavalkya Institute of Technology
Test Date	13/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A student constructs a circuit with a battery of 12 V and two resistors of 6 ohms and 4 ohms connected in series. What is the total current flowing through the circuit according to Ohm's Law?

- Ans** ☒ A. 1.2 A
☒ B. 0.6 A
☒ C. 1.0 A
☒ D. 2.0 A

Q.2 A student tries to balance the equation $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$ and writes the following step:



Which statement best explains why this step is INCORRECT?

- Ans** ☒ A. It balances oxygen atoms directly
☒ B. It changes the composition of water
☒ C. It maintains mass conservation law
☒ D. It increases oxygen atoms correctly

Q.3 Consider the following statements and select the correct option.

Statement A: Addition reactions occur when two or more reactants combine to form a single product.

Statement B: Alkenes and alkynes commonly undergo addition reactions.

- 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.4 The work done to increase the kinetic energy of a 4 kg object from 50 J to 98 J is:

- Ans** ☒ A. 48 J
☒ B. 52 J
☒ C. 148 J
☒ D. 24.5 J

Q.5 Two isotopes of chlorine are present in nature: chlorine-35 and chlorine-37. Which statement best explains their chemical behavior?

- Ans**
- ☐ A. They react differently with sodium
 - ☐ B. They have different valencies
 - ☐ C. They cannot bond with hydrogen
 - ☒ D. They form identical compounds

Q.6 Which acid does our stomach produce and what is its pH?

- Ans**
- ☐ A. Citric acid; pH 6.5-7.0
 - ☐ B. Acetic acid; pH 6.0-7.0
 - ☒ C. Hydrochloric acid (HCl); pH 1.5-3.5
 - ☐ D. Lactic acid; pH 3.5-4.5

Q.7 If the power consumed by a bulb is 60 W and the voltage across it is 120 V, what is the resistance of the bulb?

- Ans**
- ☐ A. 2 Ω
 - ☐ B. 0.5 Ω
 - ☐ C. 60 Ω
 - ☒ D. 240 Ω

Q.8 In a comparative study, angiosperms might be more diverse than gymnosperms in various environments as:

- Ans**
- ☒ A. Angiosperms utilize flowers and fruits for reproduction
 - ☐ B. Aquatic fertilisation events increases variation
 - ☐ C. Gymnosperms rely on efficient water transport
 - ☐ D. Needle-like leaves helps enhance species diversity

Q.9 A zoologist finds two organisms with the same order but different families. Which conclusion about their classification does this indicate?

- Ans**
- ☒ A. They share all higher levels up to order
 - ☐ B. They share species but not order
 - ☐ C. They share genus but not family
 - ☐ D. They share family but not class

Q.10 Why does the sight of or thought of delicious food make our mouths "water"?

- Ans**
- ☒ A. Salivary glands secrete saliva
 - ☐ B. Digestive enzymes are released
 - ☐ C. Stomach acid increases rapidly
 - ☐ D. Taste buds start moving quickly

Q.11 What are the main components of nervous tissue?

- Ans**
- ☐ A. Glands
 - ☒ B. Neurons
 - ☐ C. Muscles
 - ☐ D. Bones

Q.12 A box is raised to the same height either by lifting it vertically or by pushing it up an ideal inclined plane. Which quantity is the same in both cases?

- Ans**
- ☐ A. Distance moved by the box
 - ☒ B. Potential energy gained by the box
 - ☐ C. Mechanical advantage of the method used
 - ☐ D. Effort applied

Q.13 Metals of medium reactivity are generally found in the form of which compounds?

- Ans
- ☐ A. Chlorides, silicates, or phosphates
 - ☒ B. Oxides, sulphides, or carbonates
 - ☐ C. Nitrides, fluorides, or bromides
 - ☐ D. Peroxides, hydrides, or cyanides

Q.14 What is formed when carbon burns in oxygen?

- Ans
- ☐ A. Carbon monoxide with heat and light released
 - ☒ B. Carbon dioxide with heat and light released
 - ☐ C. Hydrogen gas with heat and light released
 - ☐ D. Methane gas with heat and light released

Q.15 Complete the analogy.

Meristematic Tissue : Dividing capacity :: Simple Permanent Tissue : _____

- Ans
- ☐ A. Protective epidermis
 - ☐ B. Active locomotion
 - ☒ C. Lost ability to divide
 - ☐ D. Rapid stimulus transmission

Q.16 Why is the small intestine able to fit into a compact space within the human body?

- Ans
- ☐ A. Rigid lining
 - ☐ B. Large diameter
 - ☒ C. Extensive coiling
 - ☐ D. Thick walls

Q.17 According to Bohr's model, electrons revolve around the nucleus in:

- Ans
- ☐ A. Elliptical energy clouds
 - ☒ B. Fixed circular orbits
 - ☐ C. Random circular paths
 - ☐ D. Spiral trajectories

Q.18 A distance-time graph for an object moving at uniform speed is characterized by which of the following features?

- Ans
- ☐ A. A horizontal straight line
 - ☒ B. A straight line with a constant positive slope
 - ☐ C. A straight line with a negative slope
 - ☐ D. A curved line with changing slope

Q.19 A student notices that the image formed by a lens is virtual, upright, and larger than the object. Which lens and object position is responsible for this observation?

- Ans
- ☐ A. Convex lens with object at twice the focal length
 - ☐ B. Concave lens with object beyond twice the focal length
 - ☒ C. Convex lens with object between optical centre of lens and focal point
 - ☐ D. Concave lens with object at any position

Q.20 Which of the following mixtures is NOT homogeneous?

- Ans
- ☐ A. Salt water
 - ☐ B. Air
 - ☐ C. Vinegar
 - ☒ D. Oil and water

Q.21 During a histological examination of a plant's leaf stalk, elongated cells with irregularly thickened corners and very little intercellular space are observed. Which simple permanent tissue is present and what is its primary function in this region?

- Ans**
- ☒ A. Collenchyma
 - ☐ B. Parenchyma
 - ☐ C. Chlorenchyma
 - ☐ D. Sclerenchyma

Q.22 Which part of the human eye controls the amount of light entering the eye?

- Ans**
- ☐ A. Cornea
 - ☐ B. Optic Nerve
 - ☒ C. Iris
 - ☐ D. Retina

Q.23 A student places an object 20 cm in front of a concave mirror with a focal length of 10 cm, using the sign convention for spherical mirrors. What is the correct value and sign for the image distance?

- Ans**
- ☐ A. +20 cm
 - ☐ B. +10 cm
 - ☒ C. -20 cm
 - ☐ D. -10 cm

Q.24 In geotropism, what does gravity act as?

- Ans**
- ☐ A. Internal factor
 - ☐ B. Reversible signal
 - ☐ C. Biotic factor
 - ☒ D. Directional stimulus

Q.25 In a velocity-time graph, which type of line represents motion with no change in velocity?

- Ans**
- ☐ A. Parabola
 - ☒ B. Horizontal straight line
 - ☐ C. Curved line
 - ☐ D. Slanted straight line

Section : Mathematics

Q.26 Given that $106^{0.02} = x$, $106^{0.59} = y$ and $x^z = y^9$, then the value of z is:

- Ans**
- ☐ A. 266.5
 - ☒ B. 265.5
 - ☐ C. 264.5
 - ☐ D. 263.5

Q.27 If the mean of the following data is 42, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	44	29	39	10	x

- Ans**
- ☒ A. 148
 - ☐ B. 172
 - ☐ C. 169
 - ☐ D. 175

Q.28 A number is first increased by 45%, then decreased by 20%, again increased by 10%, and then decreased by 25%. What is the overall increase/decrease percentage in the number?

- Ans**
- ☒ A. 4.3% decrease
 - ☐ B. 4.1% decrease
 - ☐ C. 4.3% increase
 - ☐ D. 5.2% increase

Q.29 During a craft activity, a student creates a paper model in the shape of a right circular cone. The cone has a volume of $100\pi \text{ cm}^3$ and a height of 12 cm. Find the curved surface area (in cm^2) of the cone. Give your answer in terms of π .

- Ans**
- ☐ A. 25π
 - ☐ B. 60π
 - ☐ C. 90π
 - ☒ D. 65π

Q.30 Akshat and Shivam start simultaneously from point P towards point Q, which is 300 km away. Akshat travels at 70 km/h, while Shivam moves at 50 km/h. After reaching point Q, Akshat immediately turns back towards point P and eventually meets Shivam on the way. At what distance from point Q do they meet?

- Ans**
- ☒ A. 50 km
 - ☐ B. 48 km
 - ☐ C. 49 km
 - ☐ D. 51 km

Q.31 Arjun travelled from place A to place B by car at a speed of 48 km/hr and returned back to place A at a speed of 60 km/hr. He then again went to place B at a speed of 72 km/hr. Find the average speed of the car for the whole journey (rounded off to two decimal places).

- Ans**
- ☐ A. 50.53 km/hr
 - ☒ B. 58.38 km/hr
 - ☐ C. 54.86 km/hr
 - ☐ D. 48.31 km/hr

Q.32 If $\sin \theta + \cos \theta = \sqrt{2}$, find the value of $\tan \theta + \cot \theta$.

- Ans**
- ☐ A. 1
 - ☐ B. 5
 - ☒ C. 2
 - ☐ D. 4

Q.33 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%, then what is the percentage change in the total cost of 6 washing machines and 2 TVs?

- Ans**
- ☐ A. Increase by 26%
 - ☐ B. Decrease by 29%
 - ☐ C. Decrease by 33%
 - ☒ D. Increase by 31.6%

Q.34 If 8 painters can paint 18 rooms in 9 days, then how many rooms can 4 painters paint in 12 days?

- Ans**
- ☒ A. 12 rooms
 - ☐ B. 18 rooms
 - ☐ C. 14 rooms
 - ☐ D. 16 rooms

Q.35 The ratio of men to women in a hall is 5 : 3. If 24 more women join and 12 men leave, the ratio becomes 3 : 2. Find the number of men originally present.

- Ans**
- ☐ A. 360
 - ☐ B. 440
 - ☐ C. 520
 - ☒ D. 480

Q.36 In a digital design company, there are only graphic designers and content writers. The average monthly salary of the graphic designers is ₹520, while those of the content writers is ₹420. If the average monthly salary of all employees is ₹500, then what percentage of the company's employees are graphic designers, and are content writers, respectively?

- Ans**
- ☐ A. 30% and 70%
 - ☐ B. 20% and 80%
 - ☐ C. 70% and 30%
 - ☒ D. 80% and 20%

Q.37 If $\sin \theta + \cos \theta = \frac{7}{17}$, then find the positive value of $\sin \theta - \cos \theta$.

- Ans**
- ☐ A. $\frac{25}{17}$
 - ☐ B. $\frac{21}{17}$
 - ☐ C. $\frac{27}{17}$
 - ☒ D. $\frac{23}{17}$

Q.38 A manufacturer fixes his selling price at 25% over the cost of production. If the cost of production goes up by 50%, and the manufacturer raises his selling price by 68%, find the profit percentage.

- Ans**
- ☐ A. 45%
 - ☒ B. 40%
 - ☐ C. 41%
 - ☐ D. 39%

Q.39 Find the volume of a cone, whose slant height is 25 cm and curved surface area is 942 cm^2 (rounded off to two places of decimal, use $\pi = 3.14$, $\sqrt{481} = 21.93$).

- Ans**
- ☐ A. 2789.95 cm^3
 - ☐ B. 2156.33 cm^3
 - ☐ C. 2438.56 cm^3
 - ☒ D. 3305.29 cm^3

Q.40 Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 12% per annum rate of interest.

- Ans**
- ☐ A. 331
 - ☐ B. 281
 - ☒ C. 231
 - ☐ D. 211

Q.41 What is the value of $(x + 2)^2 - (x - 2)^2$ when $x = 1$?

- Ans
- ☐ A. 4
 - ☐ B. 12
 - ☒ C. 8
 - ☐ D. 16

Q.42 A city's population increases by 15% in the first year and by 20% in the second year. If the original population was 50,000, find the population after 2 years.

- Ans
- ☐ A. 68,800
 - ☒ B. 69,000
 - ☐ C. 69,900
 - ☐ D. 68,000

Q.43 Anshu can do a piece of work in 16 days, and Bijeta can do the same work in 24 days. They work together for 6 days, after which Anshu leaves. In how many days will Bijeta complete the remaining work?

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

Q.44 Mahesh deposited a certain sum of money at 20% rate of interest per annum, compounded annually. At the end of 2 years, Mahesh received a total amount of ₹26,316. What was the sum of money deposited by Mahesh?

- Ans
- ☐ A. ₹18,539
 - ☐ B. ₹18,607
 - ☐ C. ₹17,872
 - ☒ D. ₹18,275

Q.45 A regular hexagon is inscribed within a circle. If the area of the hexagon is $\frac{1}{2} \pi r^2$, find the ratio of the circumference of the circle to the perimeter of the hexagon.

- Ans
- ☐ A. $\pi:2$
 - ☐ B. $2:\pi$
 - ☐ C. $3:\pi$
 - ☒ D. $\pi:3$

Q.46 A rope of length 1120 meters is divided equally among a group of trekkers and there are 80 trekkers, what is the value of a ?

- Ans
- ☒ A. 196
 - ☐ B. 140
 - ☐ C. 224
 - ☐ D. 112

Q.47 The sum of three numbers is 455. The ratio of the first number to the second number is 2:3, and the ratio of the second number to the third number is 4:5. Find the first number

- Ans
- ☒ A. 104
 - ☐ B. 108
 - ☐ C. 102
 - ☐ D. 106

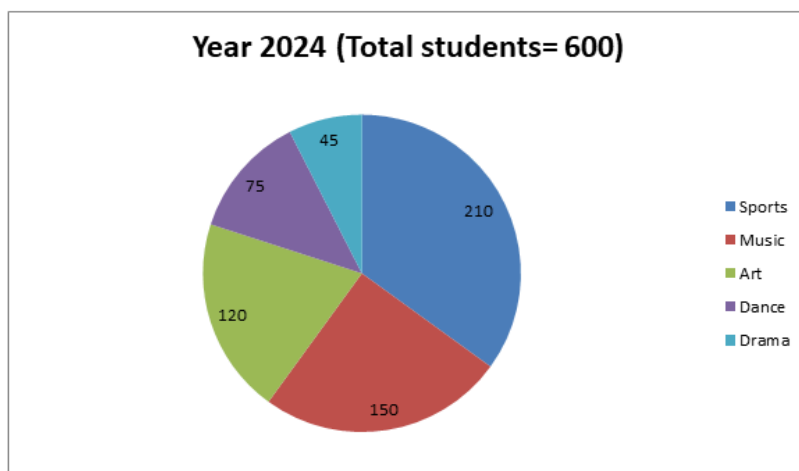
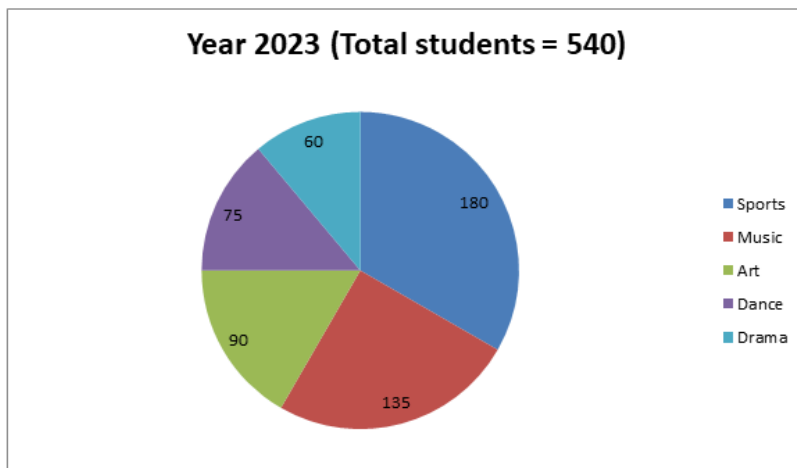
Q.48 In an examination the weights assigned to the scores in Mathematics and Science are 2 and 3, respectively. A student scores 50 in Mathematics and 70 in Science. What is his weighted average score in the examination?

- Ans**
- ☐ A. 58
 - ☒ B. 62
 - ☐ C. 64
 - ☐ D. 60

Q.49 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 87% and 66%, shop II allows successive discounts of 56% and 30%, shop III allows successive discounts of 23% and 69% and shop IV allows successive discounts of 97%, 45%, and 27% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☐ A. II
 - ☐ B. I
 - ☐ C. III
 - ☒ D. IV

- Q.50** A school conducted a survey of co-curricular activities opted by students in 2023 and 2024.
The results are shown in the two pie charts below:



By what percentage did the number of students choosing Art increase from 2023 to 2024? (Approximately)

- Ans** ☒ A. 33.33%
 ☒ B. 34.67%
 ☒ C. 30%
 ☒ D. 32.5%

Section : General Intelligence and Reasoning

- Q.51** Each of the digits in the number 5698321 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. 11
 ☒ B. 10
 ☒ C. 12
 ☒ D. 9

Q.52 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

SBM : # :: % : GOD

- Ans** ☒ A. # = RAL, % = HPE
☐ B. # = SAL, % = HPE
☐ C. # = RAL, % = HPD
☐ D. # = SBN, % = HPE

Q.53 Each of the digits in the number 52369841 is arranged in descending order from left to right. Which of the following digits will be fifth from the right in the new number thus formed?

- Ans** ☐ A. 6
☒ B. 5
☐ C. 8
☐ D. 4

Q.54 Each vowel in the word FLIGHTY is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

- Ans** ☒ A. H
☐ B. G
☐ C. I
☐ D. M

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 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. BF - ZD
☐ B. PT - NR
☒ C. LO - IL
☐ D. RV - PT

Q.56 What should come in place of the question mark (?) in the given series?

64 82 100 118 136 154 ?

- Ans** ☐ A. 168
☒ B. 172
☐ C. 170
☐ D. 174

Q.57 This question is based on the given words.

PLAN FREY BORN WANT

How many letters are there between the fourth letter of the first word from the right and the fourth letter of the first word from the left as per the English alphabetical order?

- Ans** ☒ A. Five
☐ B. Three
☐ C. Four
☐ D. Six

Q.58 What should come in place of ? in the given series based on the English alphabetical order?

PGD MFF JEH GDJ ?

- Ans**
- ☒ A. FGR
 - ☒ B. BGT
 - ☒ C. DCL
 - ☒ D. LKJ

Q.59 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 son of B', and
A ÷ B means 'A is the husband of B'.

How is P related to T if 'P + Q - R × S - T'?

- Ans**
- ☒ A. Daughter's daughter
 - ☒ B. Sister
 - ☒ C. Daughter
 - ☒ D. Son's daughter

Q.60 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, U, R, N, S and T, each having a different height, which stick is the shortest?

(I) T is shorter than R. S is shorter than U.

(II) S is taller than T.

- Ans**
- ☒ A. Data in statement I alone is sufficient to answer the question while data in statement II is not.
 - ☒ B. Both statements I and II together are NOT sufficient to answer the question.
 - ☒ C. Data in statement II alone is sufficient to answer the question while data in statement I is not.
 - ☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.61 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

145 - 725 - 404 ;

159 - 795 - 474

- Ans**
- ☒ A. 164 - 820 - 499
 - ☒ B. 159 - 795 - 464
 - ☒ C. 122 - 610 - 389
 - ☒ D. 139 - 695 - 383

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 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. AYB
☒ B. VUW
☐ C. WUX
☐ D. LJM

Q.63 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ZQB : CSC
OIF : RKG

- Ans ☐ A. SBU : VFT
☒ B. TCR : WES
☐ C. LCX : NEA
☐ D. NDS : RHV

Q.64 G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. G lives on floor numbered 4. Only two people live between G and L. Only P lives between G and J. H lives immediately below G. Who lives on floor number 2?

- Ans ☐ A. L
☐ B. P
☒ C. K
☐ D. G

Q.65 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) 2 5 7 2 8 8 9 3 2 5 4 4 9 8 5 6 1 2 7 3 1 7 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. Three
☐ B. None
☒ C. Two
☐ D. One

Q.66 In a certain code language, 'cut the ice' is coded as 'th vd kb' and 'make sharp cut' is coded as 'vd ry mu'. How is 'cut' coded in that language? (All the codes are two-letter codes only.)

- Ans ☐ A. ry
☐ B. kb
☐ C. th
☒ D. vd

Q.67 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $259 \div 66 \times 462 - 483 + 321 = ?$

- Ans**
- ☐ A. 209
 - ☐ B. 119
 - ☐ C. 919
 - ☒ D. 199

Q.68 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.
P sits third to the left of K. Only one person sits between R and J when counted from the left of J. Q sits third to the right of Z. Q sits to the immediate right of P. I is not an immediate neighbor of P.
Who sits third to the left of R?

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

Q.69 MKRO is related to SQXU in a certain way based on the English alphabetical order. In the same way, JHOL is related to PNUR. To which of the following is ECJG related, following the same logic?

- Ans**
- ☐ A. IKMP
 - ☐ B. KIMP
 - ☒ C. KIPM
 - ☐ D. IKPM

Q.70 Each of A, B, C, D, P, Q and R has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.
C has the exam on Friday. Only two people have exams between D and C. Only four people have exams between R and D. B has the exam immediately after Q. P does not have the exam on Monday.
How many people have the exam before P and after A?

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

Q.71 Each of C, D, E, F, G, X and Y has interview on a different day of a week, starting from Monday and ending on Sunday of the same week.
C has interview on Sunday. Only three people have interview between Y and C. Only one person has interview between E and X. G has interview immediately the day before D. F doesn't have interview on Friday. X has interview immediately before Y.
How many people have interview after F?

- Ans**
- ☐ A. Five
 - ☐ B. Three
 - ☐ C. Four
 - ☒ D. Six

Q.72 This question is based on the following words.

VAN POS CUT DIE

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.73 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'.

How is Sid related to Aditya if 'Sid # Kashish \$ Tarun % Puneet @ Aditya'?

- Ans**
- ☒ A. Mother's mother's father
 - ☒ B. Mother's mother's brother
 - ☒ C. Mother's father's brother
 - ☒ D. Mother's father's father

Q.74 Seven people, P, Q, R, S, T, U, and V, are sitting in a straight line, facing the north.

Only two people sit to the left of Q. S sits to the immediate right of Q. Only two people sit between S and R. R does not sit to the extreme left end of the line. P sits to the immediate left of U. Only T sits between V and R.

Who sits at the extreme right end of the line?

- Ans**
- ☒ A. R
 - ☒ B. U
 - ☒ C. T
 - ☒ D. P

Q.75 Each vowel in the word DECOMPOSERS is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans**
- ☒ A. D
 - ☒ B. T
 - ☒ C. N
 - ☒ D. Q

Q.76 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, B, U, N, M and D, each having a different height, which stick is the shortest?

(I) D is taller than only two sticks. M is taller than D but shorter than N.

(II) B is taller than U.

- Ans**
- ☒ A. Data in statement I alone is sufficient to answer the question while data in statement II is not.
 - ☒ B. Both statements I and II together are NOT sufficient to answer the question.
 - ☒ C. Data in statement II alone is sufficient to answer the question while data in statement I is not.
 - ☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.77 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: M, N, O, P, and Q - each got different marks. Who got the highest marks?

Statements:

(I) N scored more than M and O. M scored more than P and Q.

(II) P scored more than O. Q scored less than M.

- Ans**
- ☒ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☒ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☒ C. Both statements I and II together are NOT sufficient to answer the question
 - ☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

Q.78 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) + F M A @ M S < Z = V P & M = A % T @ # ? Ω F J > P = (Right)

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

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

Q.79 Refer to the following letter series and answer the question. Counting to be done from left to right only.

(Left) U S A O S H T E D W W U X Z Z U O N A I F F (Right)

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

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

Q.80 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 68 - 98;

21 - 42 - 84 - 114

- Ans**
- ☒ A. 23 - 46 - 92 - 122
 - ☒ B. 24 - 48 - 52 - 62
 - ☒ C. 32 - 64 - 128 - 138
 - ☒ D. 27 - 54 - 72 - 92

Q.81 Who was appointed as the Vice Chairperson of NITI Aayog in April 2026?

- Ans**
- ☐ A. Shri Suman Bery
 - ☐ B. Dr. Rajiv Kumar
 - ☐ C. Shri Amitabh Kant
 - ☒ D. Shri Ashok Kumar Lahiri

Q.82 In February 2026, Eileen Gu won a silver medal in the Big Air event at the Winter Olympics. This achievement made her the most decorated woman in the history of which sport?

- Ans**
- ☐ A. Snowboarding
 - ☐ B. Alpine Skiing
 - ☐ C. Ski Jumping
 - ☒ D. Freestyle Skiing

Q.83 Under the National Anti-Doping (Amendment) Bill, 2025, which authority has been designated to enforce anti-doping regulations in India?

- Ans**
- ☐ A. Sports Authority of India
 - ☐ B. Indian Sports Council
 - ☐ C. Counter Doping Council of India
 - ☒ D. National Anti-Doping Agency

Q.84 Thiru C. Joseph Vijay, recently sworn in as the Chief Minister of Tamil Nadu 2026, was previously known for his career in which field before entering politics?

- Ans**
- ☐ A. Law practice
 - ☐ B. Scientific research
 - ☒ C. Film acting
 - ☐ D. Sports coaching

Q.85 Which centre had been notified by the Ministry as a 'Nodal Centre for Para Sports' while Union Sports Minister Dr. Mansukh Mandaviya inaugurated integrated sports infrastructure facilities in May 2026?

- Ans**
- ☐ A. Indira Gandhi Stadium, New Delhi
 - ☒ B. Sports Authority of India National Centre of Excellence (SAI NCoE), Gandhinagar
 - ☐ C. Netaji Subhas National Institute of Sports, Patiala
 - ☐ D. Lakshmi Bai National Institute of Physical Education, Gwalior

Q.86 The Union Budget 2026-27 introduced a new comprehensive framework to upgrade the earlier Khelo India programme. What is the name of this new multi-faceted mission?

- Ans**
- ☒ A. Khelo India Mission
 - ☐ B. Bharat Sports Excellence Programme
 - ☐ C. National Sports Development Framework
 - ☐ D. Target Olympic Podium Scheme (TOPS) 2.0

Q.87 Where was the India Pharma 2026 conference held?

- Ans**
- ☐ A. Jaipur
 - ☒ B. New Delhi
 - ☐ C. Chennai
 - ☐ D. Hyderabad

Q.88 Which Prime Minister had secured a historic third consecutive general election victory in Barbados in February 2026, leading the Barbados Labour Party (BLP) to another parliamentary majority?

- Ans**
- ☐ A. Sandra Mason
 - ☐ B. Freundel Stuart
 - ☐ C. Ralph Thorne
 - ☒ D. Mia Amor Mottley

Q.89 According to the Economic Survey 2025–26 tabled in Parliament, India improved its rank in the Global Innovation Index (GII) 2025 from 66th in 2019 to which position — also making it 1st among lower-middle-income economies and 1st in Central & Southern Asia?

- Ans**
- ☐ A. 45th
 - ☐ B. 40th
 - ☒ C. 38th
 - ☐ D. 42nd

Q.90 Under which Article of the Constitution of India did the Supreme Court in 2026 declare safe travel on National Highways as part of the fundamental right to life?

- Ans**
- ☐ A. Article 32
 - ☒ B. Article 21
 - ☐ C. Article 14
 - ☐ D. Article 19

Q.91 In February 2026, DRDO successfully demonstrated which advanced propulsion technology for long-range missiles?

- Ans**
- ☐ A. Electric Jet Propulsion System
 - ☒ B. Solid Fuel Ducted Ramjet technology
 - ☐ C. Nuclear Thermal Engine
 - ☐ D. Cryogenic Propulsion System

Q.92 In April 2026, which of the following national parks recorded its first-ever birth of a cheetah litter in the absolute wild?

- Ans**
- ☐ A. Pench National Park
 - ☐ B. Kanha National Park
 - ☒ C. Kuno National Park
 - ☐ D. Bandhavgarh National Park

Q.93 During the severe heatwave conditions reported in 2026, India accounted for 95 of the world's 100 hottest cities, highlighting growing concerns regarding rising temperatures and climate-related risks. This issue is most directly associated with which Sustainable Development Goal (SDG) of the United Nations?

- Ans**
- ☐ A. SDG 11
 - ☐ B. SDG 15
 - ☐ C. SDG 6
 - ☒ D. SDG 13

Q.94 The Union Budget 2026, as appreciated by Prataprao Jadhav, focuses on strengthening which approach to healthcare?

- Ans**
- ☒ A. Holistic healthcare
 - ☐ B. Emergency healthcare
 - ☐ C. Military healthcare
 - ☐ D. Veterinary healthcare

Q.95 In January 2026, which supercomputing facility was launched at IIT Madras by the Secretary of the Ministry of Electronics and Information Technology (MeitY), Shri S. Krishnan?

- Ans**
- ☐ A. PARAM Ganga Supercomputing Facility
 - ☒ B. Param Shakti Supercomputing Facility
 - ☐ C. PARAM Yuva Supercomputer
 - ☐ D. PARAM Siddhi Supercomputer

Q.96 Under which Rules did the Department of Consumer Affairs amend the framework in May 2026 to expand the scope of Government Approved Test Centres (GATCs) for verification and re-verification of fuel dispensing systems?

- Ans**
- ☒ A. Legal Metrology (Government Approved Test Centre) Rules, 2013
 - ☐ B. Legal Metrology (Packaged Commodities) Rules, 2011
 - ☐ C. Legal Metrology (General) Rules, 2011
 - ☐ D. Legal Metrology (National Standards) Rules, 2011

Q.97 In May 2026, the Railway Protection Force highlighted its humanitarian initiative aimed at assisting pregnant women who unexpectedly go into labour during train journeys. Under which operation is this assistance provided?

- Ans**
- ☐ A. Operation Nanhe Faristey
 - ☒ B. Operation Matrishakti
 - ☐ C. Operation Suraksha
 - ☐ D. Operation Jeevan Raksha

Q.98 At which institution was the 3rd International Conference on Nonlinear Dynamics and Applications (ICNDA 2026) conducted?

- Ans**
- ☐ A. National Institute of Technology Silchar
 - ☐ B. Birla Institute of Technology Mesra
 - ☐ C. Indian Institute of Technology Guwahati
 - ☒ D. Sikkim Manipal Institute of Technology

Q.99 At which championship had Indian wrestlers secured two gold, two silver, and one bronze medal in the men's freestyle category in Da Nang, Vietnam, in 2026?

- Ans**
- ☒ A. Asian Under-23 Wrestling Championships
 - ☐ B. World Under-23 Wrestling Championships
 - ☐ C. Asian Wrestling Championships
 - ☐ D. Commonwealth Wrestling Championships

Q.100 Shri Kallipatti Ramasamy Palaniswamy, who received the Padma Bhushan in May 2026, was awarded in which of the following categories?

- Ans**
- ☐ A. Social Work
 - ☐ B. Literature and Education
 - ☐ C. Science and Engineering
 - ☒ D. Medicine



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Luthergeri
Test Date	13/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 For a car moving with accelerated motion, the distance-time graph is:

- Ans ☒ A. Non-linear curve
☒ B. Straight line
☒ C. Vertical line
☒ D. Horizontal line

Q.2 Which gas released from bleaching powder is primarily responsible for its bleaching and disinfecting action?

- Ans ☒ A. Hydrogen chloride (HCl)
☒ B. Oxygen (O₂)
☒ C. Carbon dioxide (CO₂)
☒ D. Chlorine (Cl₂)

Q.3 Why are xylem and phloem described as independently organised conducting tubes in plants?

- Ans ☒ A. They transport different substances separately.
☒ B. They share a single pathway for all transport needs
☒ C. They act as one type of tissue in all plants
☒ D. They perform identical functions in tandem

Q.4 Which of the following is a heterogenous mixture?

- Ans ☒ A. Sand and Iron fillings
☒ B. Salt solution
☒ C. Air
☒ D. Vinegar

Q.5 A technician needs to design a circuit where removing one device does not interrupt the operation of others. Which resistor arrangement should the technician choose?

- Ans ☒ A. The technician should use a parallel combination of resistors.
☒ B. The technician should use a series combination of resistors.
☒ C. The technician should connect resistors in a random arrangement.
☒ D. The technician should use a series-parallel mixed combination of resistors.

Q.6 Why do higher homologues of alkanes produce multiple products when they react with chlorine in a substitution reaction?

- Ans**
- ☒ A. Chlorine replaces hydrogen at different position
 - ☐ B. Hydrogen atoms are absent
 - ☐ C. Alkanes are aromatic
 - ☐ D. Chlorine is unstable in nature

Q.7 Which change correctly represents oxidation in a chemical reaction?

- Ans**
- ☐ A. Formation of salt and water
 - ☐ B. Exchange of ions between compounds
 - ☒ C. Addition of oxygen to a substance
 - ☐ D. Removal of oxygen from a compound

Q.8 Which of the following characteristics are true for the cells of meristematic tissue?

- Ans**
- ☐ A. Very active, prominent nuclei, dense cytoplasm and thick cellulose walls
 - ☒ B. Very active, prominent nuclei, dense cytoplasm and thin cellulose walls
 - ☐ C. Very active, prominent nuclei, light cytoplasm and thick cellulose walls
 - ☐ D. Very active, prominent nuclei, light cytoplasm and thin cellulose walls

Q.9 In which of the following organisms are pseudopodia used for capturing the food?

- Ans**
- ☐ A. Euglena
 - ☐ B. Hydra
 - ☐ C. Paramecium
 - ☒ D. Amoeba

Q.10 The element with the symbol K is:

- Ans**
- ☒ A. Potassium
 - ☐ B. Phosphorous
 - ☐ C. Krypton
 - ☐ D. Palladium

Q.11 Two objects, P and Q, move with uniform speeds. The distance-time graph of P is steeper than that of Q. What does this indicate?

- Ans**
- ☒ A. P has greater speed than Q
 - ☐ B. P is accelerating
 - ☐ C. Both have equal speed
 - ☐ D. P has lower speed than Q

Q.12 A student observes that when an object is placed at 15 cm from a mirror, the image is formed at 30 cm on the same side. What is the focal length of the mirror?

- Ans**
- ☐ A. -8 cm
 - ☐ B. -5 cm
 - ☐ C. -12 cm
 - ☒ D. -10 cm

Q.13 Which functional group is found in esters?

- Ans**
- ☐ A. -OH
 - ☐ B. -COOH
 - ☒ C. -COO-
 - ☐ D. -NH₂

Q.14 If you lift a book and place it on a shelf, what happens to its energy?

- Ans**
- ☒ A. Its potential energy increases
 - ☐ B. It gains kinetic energy
 - ☐ C. It loses all energy
 - ☐ D. Its thermal energy increases

Q.15 Which of the following organisms break down complex organic substances from dead organisms into simple inorganic substances?

- Ans**
- ☐ A. Herbivores
 - ☒ B. Decomposers
 - ☐ C. Parasites
 - ☐ D. Autotrophs

Q.16 A roller coaster car of mass 500 kg moves down a steep track, converting its potential energy into kinetic energy. At the lowest point, it is moving at 20 m/s. If the car encounters a section with friction that removes 30,000 J of energy, what is its new speed, assuming no other forces act?

- Ans**
- ☐ A. ≈ 15 m/s
 - ☒ B. ≈ 18 m/s
 - ☐ C. ≈ 10 m/s
 - ☐ D. ≈ 20 m/s

Q.17 Complete the analogy.

Parenchyma: Large intercellular spaces:: Sclerenchyma: _____

- Ans**
- ☒ A. No internal space
 - ☐ B. Thin cellulose walls
 - ☐ C. Large air cavities
 - ☐ D. Living cells

Q.18 Three microbes were classified together, but DNA sequencing shows two have closer genetic material. Which classification change could this finding suggest?

- Ans**
- ☐ A. Grouping by habitat similarities
 - ☐ B. Ignoring genetic information
 - ☐ C. Maintaining previous grouping
 - ☒ D. Reassignment based on DNA similarities

Q.19 What protects the stomach lining from damage by its own acid under normal conditions?

- Ans**
- ☐ A. Pepsin release
 - ☐ B. Saliva entry
 - ☐ C. Acid increase
 - ☒ D. Mucus secretion

Q.20 Why is the reaction flask corked during experiments verifying conservation of mass?

- Ans**
- ☐ A. To cool reaction mixture
 - ☐ B. To increase reaction speed
 - ☒ C. To prevent loss of matter
 - ☐ D. To allow air circulation

Q.21 A student places an object at 90 cm from a concave mirror and finds the image at 45 cm in front of the mirror. What will be the distance between the pole and the principal focus of this mirror?

- Ans**
- ☒ A. 30 cm
 - ☐ B. 60 cm
 - ☐ C. 45 cm
 - ☐ D. 22.5 cm

Q.22 What is the primary reason stars appear to twinkle in the night sky as seen from Earth?

- Ans**
- ☐ A. Stars emit light at varying intensities
 - ☒ B. The light from stars is refracted by varying atmospheric layers
 - ☐ C. The Earth rotates causing starlight to flicker
 - ☐ D. Stars are closer to the Earth than planets

Q.23 What happens at the anode during anodising?

- Ans**
- ☐ A. Hydrogen gas reacts with aluminium to form oxide
 - ☐ B. Nitrogen gas reacts with aluminium to form oxide
 - ☐ C. Carbon dioxide reacts with aluminium to form oxide
 - ☒ D. Oxygen gas reacts with aluminium to form oxide

Q.24 During an algal bloom, dominant species are single-celled organisms with a nucleus that can photosynthesize and ingest food. Which organism is most likely responsible?

- Ans**
- ☐ A. Bacteria
 - ☐ B. Cyanobacteria
 - ☒ C. Euglena-like protists
 - ☐ D. Amoeba

Q.25 Which expression correctly represents the commercial unit of electrical energy in terms of joules?

- Ans**
- ☒ A. 1 kilowatt hour = 3.6×10^6 joules
 - ☐ B. 1 kilowatt hour = 1000 joules
 - ☐ C. 1 kilowatt hour = 360 joules
 - ☐ D. 1 kilowatt hour = 1.6×10^6 joules

Section : Mathematics

Q.26 Simplify: $\left(\frac{\tan A + \sec A - 1}{\tan A - \sec A + 1} \right)$

- Ans**
- ☒ A. $\tan A + \sec A$
 - ☐ B. $\tan A - \operatorname{cosec} A$
 - ☐ C. $\tan A + \operatorname{cosec} A$
 - ☐ D. $\tan A - \sec A$

Q.27 Three numbers are in the ratio 4 : 5 : 6 and their HCF is 13. Find their LCM.

- Ans**
- ☐ A. 686
 - ☒ B. 780
 - ☐ C. 960
 - ☐ D. 1080

Q.28 Heights (in cm) of 50 children are shown in the table below. Find the mode (in cm) of the data.

Height	50-60	60-70	70-80	80-90
Number of children	12	20	8	10

- Ans** ☒ A. 64
☒ B. 58.5
☒ C. 60
☒ D. 67.5

Q.29 Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 30 hours and pipe C can fill the same tank in 20 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

- Ans** ☒ A. 1
☒ B. 3
☒ C. 4
☒ D. 2

Q.30 If the ratio of two numbers is 4 : 7 and their sum is 33, what is the smaller number?

- Ans** ☒ A. 20
☒ B. 24
☒ C. 12
☒ D. 16

Q.31 Kaushal travelled for 14 hours 28 minutes at the speed of 90 km/h. At what speed (in km/h) should he travel to cover the same distance in 7 hours?

- Ans** ☒ A. 187
☒ B. 184
☒ C. 185
☒ D. 186

Q.32 The HCF of two numbers is 18 and their LCM is 540. If one number is 90, find the other number.

- Ans** ☒ A. 96
☒ B. 120
☒ C. 54
☒ D. 108

Q.33 If $3\cos^2\theta + 7\sin^2\theta = 6$, then find the value of $\sec\theta$, given that θ is an acute angle.

- Ans** ☒ A. 1
☒ B. 2
☒ C. 0
☒ D. 3

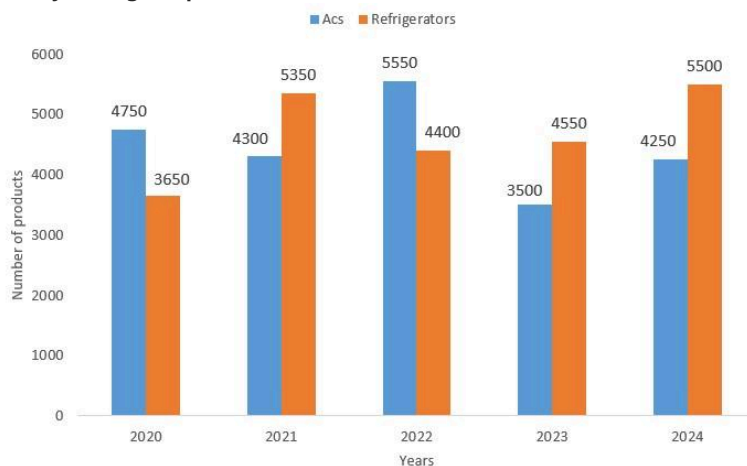
Q.34 A shopkeeper mixes two varieties of rice costing ₹40 per kg and ₹60 per kg to get a mixture worth ₹50 per kg. In what ratio did he mix the two varieties of rice?

- Ans** ☒ A. 1:1
☒ B. 2:1
☒ C. 1:2
☒ D. 3:2

Q.35 The profit of a company is increased from ₹11,10,000 to ₹13,10,000 in one year. Calculate the percentage increase in the profit of the company (rounded off to two decimal places).

- Ans** ☒ A. 18.02%
☒ B. 18.47%
☒ C. 18.26%
☒ D. 18.12%

Q.36 Study the following bar diagram carefully and answer the following question. The bar graph shows the production of electronic items (ACs and Refrigerators) in a factory during the period from 2020 to 2024.



The difference between averages of production of Refrigerators and ACs from 2021 to 2024 is:

- Ans** ☒ A. 330
☒ B. 220
☒ C. 440
☒ D. 550

Q.37 What is the value of $(9x + 2y)$, if the mean of the following distribution is 68?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	4	10	x	2	y	60

- Ans** ☒ A. 138
☒ B. 156
☒ C. 151
☒ D. 137

Q.38 Find the area of the sector of a circle of radius 9 cm, if the corresponding arc length is 6.3 cm.

- Ans** ☒ A. 28.35 cm^2
☒ B. 30.05 cm^2
☒ C. 29.15 cm^2
☒ D. 27.95 cm^2

Q.39 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 68% and 24%, shop II allows successive discounts of 37% and 55%, shop III allows successive discounts of 89% and 10% and shop IV allows successive discounts of 41%, 90% and 48% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. IV
☐ B. II
☐ C. III
☐ D. I

Q.40 A bank offers 9.2% compound interest per annum, calculated on a half-yearly basis. A customer deposits ₹5449 each on 1 January and 1 July of a particular year. At the end of the year, the amount he would have gained by way of interest is _____. (Round off the answer to the nearest paise.)

- Ans** ☐ A. ₹749.52
☐ B. ₹759.40
☐ C. ₹755.50
☒ D. ₹763.49

Q.41 The mean proportional between two numbers is 42. If one of the numbers is 31, find the other number. (Round to the nearest whole number).

- Ans** ☒ A. 57
☐ B. 55
☐ C. 56
☐ D. 58

Q.42 A building has 8 cylindrical pillars, each with a radius of 3 m and a height of 14 m. The curved surface of each pillar is to be painted at a cost of ₹25 per square metre. Find the total cost of painting all 8 pillars. (Use $\pi = 22/7$)

- Ans** ☐ A. ₹60,600
☒ B. ₹52,800
☐ C. ₹41,485
☐ D. ₹47,142

Q.43 What is the compound interest on ₹1,500 at 12% per annum (compounded annually) for 3 years? (Rounded off to the nearest integer)

- Ans** ☐ A. ₹610
☒ B. ₹607
☐ C. ₹605
☐ D. ₹612

Q.44 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. Increase by 24%
☐ C. Decrease by 15%
☒ D. Increase by 20%

Q.45 A room is 10 meters long, 8 meters broad, and 6 meters high. The length of the longest bamboo pole that can be placed in it is (approximately):

- Ans** ☐ A. 16.16 meters
☐ B. 12.46 meters
☐ C. 10.12 meters
☒ D. 14.14 meters

Q.46 What is the value that must be assigned to A so that the 8-digit number 541A4888 is divisible by 9?

- Ans** ☒ A. 7
☒ B. 2
☒ C. 1
☒ D. 9

Q.47 Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 20% per annum rate of interest.

- Ans** ☒ A. 385
☒ B. 435
☒ C. 485
☒ D. 365

Q.48 A 200-meter long train running at 72 km/hr crosses another 250-meter long train running in the opposite direction in 9 seconds. How long will the second train take to cross a 350-meter long platform?

- Ans** ☒ A. 15 seconds
☒ B. 20 seconds
☒ C. 19 seconds
☒ D. 18 seconds

Q.49 A manufacturer fixes his selling price at 72% above the cost of production. If the cost of production increases by 50% and the manufacturer raises his selling price by 50%, find the new profit percentage.

- Ans** ☒ A. 75%
☒ B. 72%
☒ C. 69%
☒ D. 71%

Q.50 7 years ago, Saumya was twice as old as Isha. Five years from now, the sum of their ages will be 66. Find the present age of Isha.

- Ans** ☒ A. 25 years
☒ B. 28 years
☒ C. 21 years
☒ D. 20 years

Section : General Intelligence and Reasoning

Q.51 This question is based on the following words.

RAY DUE AMP DOF

In each of the words, each vowel is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.52 This question is based on the given words.

KIT BUY HEN TEN

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letter-clusters thus formed will have at least two vowels?

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

Q.53 A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor number 5. B lives on a floor above D. Only C lives below T. S lives on an even numbered floor. How many people live below A?

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

Q.54 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above T. Only three boxes are kept between Q and T. Only one box is kept between I and K. K is kept immediately above T. Only four boxes are kept between I and S. J is kept at some place above R. Which box is kept second below J?

- Ans ☐ A. R
☒ B. T
☐ C. K
☐ D. I

Q.55 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

LH-NJ-PQ
OK-QM-ST

- Ans ☐ A. SN-TP-VX
☐ B. RN-TP-VX
☐ C. SN-TO-VX
☒ D. RN-TP-VW

Q.56 Each of the digits in the number 7129865 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. 6
☒ C. 10
☐ D. 12

Q.57 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) P H E D L B J E A E H I A Z E E I Q A A I W (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. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☒ D. 2

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 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. HFB
 - ☐ B. CAW
 - ☐ C. VTP
 - ☒ D. DCX

Q.59 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) W U C C U ^ * H / J + / # U Q # J V D T K (Right)

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

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

Q.60 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 blankets are feathers.

No feather is a light.

Conclusions:

(I) No blanket is a light.

(II) Some lights are feathers.

- 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.61 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 518624, what will be the difference between the last and first digits from right in the number thus formed?

- Ans
- ☒ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 1

Q.62 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☒ A. JMO

☒ B. HKM

☒ C. MQR

☒ D. NQS

Q.63 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number, and so on. Which of the given options follows the same set of operations as in the question?
(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

122 - 976 - 244 ; 119 - 952 - 238

Ans ☒ A. 107 - 856 - 214

☒ B. 101 - 808 - 302

☒ C. 112 - 896 - 298

☒ D. 187 - 996 - 442

Q.64 Town B is to the west of Town X. Town C is to the east of Town X. Town D is to the south of Town C. Town C is to the west of Town A. What is the position of Town X with respect to Town A?

Ans ☒ A. South

☒ B. East

☒ C. West

☒ D. North

Q.65 JK 6 is related to LG -3 in a certain way. In the same way, HI 8 is related to JE -1. To which of the following is ST 10 related, following the same logic?

Ans ☒ A. RU 2

☒ B. KI 3

☒ C. RD 4

☒ D. UP 1

Q.66 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the right?

Ans ☒ A. R

☒ B. T

☒ C. #

☒ D. K

Q.67 In a certain code language, "JUMOC" is coded as "15" and "QYATXZR" is coded as "21". What is the code for "VTGZXAIW" in that language?

- Ans ☒ A. 21
☒ B. 24
☒ C. 30
☒ D. 29

Q.68 Each vowel in the word CAPTURE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- Ans ☒ A. 2
☒ B. 1
☒ C. 3
☒ D. 0

Q.69 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EAW BXT YUQ VRN ?

- Ans ☒ A. SER
☒ B. SOK
☒ C. SLO
☒ D. SOP

Q.70 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 phones are jugs.
Some phones are caps.

Conclusions:

(I) Some jugs are caps.
(II) All caps are phones.

- 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.71 In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y - R # B @ G'?

- Ans ☒ A. Sister
☒ B. Wife
☒ C. Daughter
☒ D. Mother

Q.72 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'.

How is Suzy related to Brit if 'Suzy @ Alex % Kabir # George \$ Brit'?

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

Q.73 9 is related to 32 following a certain logic. Following the same logic, 18 is related to 59. To which of the following is 12 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 41
☐ B. 44
☐ C. 26
☐ D. 53

Q.74 Each letter in the word WRINKLE is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one that is first from the right in the new letter cluster thus formed?

- Ans** ☐ A. 14
☒ B. 17
☐ C. 13
☐ D. 12

Q.75 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.

STY : WWW
BQX : FTV

- Ans** ☒ A. PSG : TVE
☐ B. LFP : PIM
☐ C. QMQ : UPN
☐ D. SWT : WYR

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

48 63 78 95 112 131 ?

- Ans** ☐ A. 154
☐ B. 158
☐ C. 146
☒ D. 150

Q.77 Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing north. Only V sits to the left of W. There are exactly four people between V and P. Only Q sits between S and U, and S is not an immediate neighbour of P. Based on the given information, who is sitting at the extreme right end of the row?

- Ans** ☐ A. W
☒ B. T
☐ C. S
☐ D. P

Q.78 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.
R sits third to the left of I. Z sits to the immediate left of I. P sits to the immediate left of J. J sits second to the left of K.
Who sits second to the right of Q?

- Ans** ☐ A. R
☒ B. J
☐ C. K
☐ D. P

Q.79 Each of the digits in the number 7942586 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. None
☒ D. One

Q.80 In a row of 66 students facing the north, Nidhi's position is 18th from the left end and Sonu's position is 28th from the right end. How many students are sitting between Nidhi and Sonu?

- Ans** ☐ A. 19
☐ B. 21
☒ C. 20
☐ D. 22

Section : General Awareness and Current Affairs

Q.81 Carlos Alcaraz won the 2026 Australian Open men's singles title — simultaneously completing the youngest-ever Career Grand Slam in men's tennis — by defeating which opponent in the final?

- Ans** ☐ A. Jannik Sinner
☐ B. Taylor Fritz
☒ C. Novak Djokovic
☐ D. Daniil Medvedev

Q.82 Amrabad Tiger Reserve, which was in the news in April 2026 for the rehabilitation of tribal families, is located in which Indian state?

- Ans** ☐ A. Karnataka
☐ B. Andhra Pradesh
☒ C. Telangana
☐ D. Maharashtra

- Q.83** Which Indian organisation had signed the Record of Discussions with the Japan International Cooperation Agency (JICA) for Phase II of Japan-India Cooperative Actions towards Sustainable Development Goals (SDGs) in March 2026?
- Ans** ☐ A. Indian Space Research Organisation
☐ B. Border Roads Organisation (BRO)
☒ C. NITI Aayog
☐ D. Centre of Development of Telematics (C-DOT)
- Q.84** India signed the Rules of Procedure for overseeing the implementation of bilateral defence cooperation during the inaugural Joint Commission meeting held in New Delhi in May 2026 with which country?
- Ans** ☐ A. Tunisia
☐ B. Egypt
☒ C. Algeria
☐ D. Morocco
- Q.85** Which Indian sprinter became the first Indian to run the 100 metres under 10.1 seconds at the 2026 Athletics Federation Cup in Ranchi?
- Ans** ☒ A. Gurindervir Singh
☐ B. Muhammed Anas
☐ C. Amlan Borgohain
☐ D. Manikanta Hoblidhar
- Q.86** In the Padma Awards 2026, which of the following eminent cultural figures from Assam was awarded the Padma Shri for exceptional contributions to the classical Sattriya dance and music tradition?
- Ans** ☐ A. Shri Nuruddin Ahmed
☐ B. Shri Sangyusang S. Pongener
☐ C. Shri Jogesh Deuri
☒ D. Shri Haricharan Saikia
- Q.87** The World Athletics Relays 2026, which had started in Gaborone in May 2026, was hosted by which country?
- Ans** ☐ A. Namibia
☐ B. Kenya
☒ C. Botswana
☐ D. South Africa
- Q.88** Which national park hosted the 'Lion' Species Spotlight Programme inaugurated by Union Environment Minister Bhupender Yadav ahead of the International Big Cat Alliance Summit 2026?
- Ans** ☒ A. Gir National Park
☐ B. Kanha National Park
☐ C. Bandipur National Park
☐ D. Ranthambore National Park
- Q.89** At what age did Vaibhav Sooryavanshi achieve the record for scoring over 500 runs in a single IPL season?
- Ans** ☐ A. 18 years
☐ B. 16 years
☒ C. 15 years
☐ D. 17 years

Q.90 Which of the following states launched the 'Mukhyamantri Gramotthan Yojana' in January, 2026?

- Ans**
- ☐ A. Uttar Pradesh
 - ☒ B. Gujarat
 - ☐ C. Rajasthan
 - ☐ D. Madhya Pradesh

Q.91 In March 2026, the birth of cheetah cubs in India was reported from which national park?

- Ans**
- ☐ A. Jim Corbett National Park
 - ☐ B. Kanha National Park
 - ☒ C. Kuno National Park
 - ☐ D. Ranthambore National Park

Q.92 The Gulfood 2026 exhibition, recognised as the world's largest annual food and beverage event, was organised simultaneously across which two venues in Dubai?

- Ans**
- ☐ A. Expo City Dubai and Sharjah Expo Centre
 - ☒ B. Dubai World Trade Centre and Dubai Exhibition Centre at Expo City Dubai
 - ☐ C. Dubai International Convention Centre and Abu Dhabi National Exhibition Centre
 - ☐ D. Dubai Trade Centre Arena and Jebel Ali Convention Centre

Q.93 At the Chintan Shivir held in Chandigarh from 24 to 26 April 2026, which mobile application was launched under the SMILE-Beggary Sub-Scheme to enable real-time digital collection of survey data and improve monitoring?

- Ans**
- ☐ A. SMILE-Rehabilitation Monitoring App
 - ☐ B. SUGAM Welfare Tracking Portal
 - ☐ C. SAMARTH Social Survey App
 - ☒ D. SMILE-Beggary Survey Mobile Application

Q.94 In May 2026, ICMR and ICAR jointly launched which national mission-mode programme to strengthen the convergence of agriculture, nutrition, and public health in India?

- Ans**
- ☐ A. KRISHI – Knowledge Reform Initiative for Sustainable Human Immunity
 - ☐ B. POSHAN – Public Outreach for Sustainable Health and Nutrition
 - ☐ C. AROGYA – Agricultural Research for Organic Growth and Youth Advancement
 - ☒ D. SEHAT – Science Excellence for Health through Agricultural Transformation

Q.95 In which of the following cities was the Bharat Electricity Summit organized in March 2026?

- Ans**
- ☐ A. Bengaluru
 - ☐ B. Mumbai
 - ☐ C. Hyderabad
 - ☒ D. New Delhi

Q.96 Which of the following Senior scientists took over as the new director of the Vikram Sarabhai Space Centre in August 2025?

- Ans**
- ☐ A. B K Das
 - ☐ B. S Unnikrishnan Nair
 - ☒ C. A Rajarajan
 - ☐ D. V Narayanan

Q.97 Which individual began their first tenure as a Speaker of the West Bengal Legislative Assembly in 2026?

- Ans**
- ✓ A. Rathindra Basu
 - ✗ B. Tapas Roy
 - ✗ C. Shovondeb Chattopadhyay
 - ✗ D. Suvendu Adhikari

Q.98 Which of the following initiatives was launched by the Union Ministry of Health and Family Welfare on 17 February 2026?

- Ans**
- ✗ A. National Digital Health Mission
 - ✓ B. Strategy for AI in Healthcare in India (SAHI)
 - ✗ C. Universal Health Coverage Program
 - ✗ D. National Immunization Drive

Q.99 Under the new 'Viksit Bharat G RAM G Act' commencing in July 2026, how many days of annual wage employment are legally guaranteed to rural households?

- Ans**
- ✓ A. 125 days
 - ✗ B. 150 days
 - ✗ C. 90 days
 - ✗ D. 100 days

Q.100 Which of the following was the primary objective of the Military Quantum Mission Policy Framework released by the Indian Defence establishment in late 2025?

- Ans**
- ✗ A. To establish quantum technology incubation centres for civilian start-ups in major Indian cities
 - ✗ B. Upgrade missile guidance systems with imported AI systems
 - ✓ C. To integrate quantum communication, computing, sensing, and metrology across all three services
 - ✗ D. To launch a constellation of quantum satellites exclusively for the Indian Space Research Organisation (ISRO)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Online Examination Center Kavyatri Bahinabai Chaudhari North Maharashtra University Jalgaon
Test Date	13/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : **General Science**

Q.1 Muscular tissue is responsible for all movement in our body and consists of elongated cells which are also commonly referred to as _____.

- Ans** ☒ A. Muscle fibres
☒ B. Cartilage cells
☒ C. Epithelial cells
☒ D. Neurons

Q.2 Which of the following is NOT a heterogeneous mixture?

- Ans** ☒ A. Iron filings and sulphur
☒ B. Lemonade (with pulp)
☒ C. Alcohol and water
☒ D. Soil

Q.3 A student wants to use the Right Hand Thumb Rule to determine the direction of the magnetic field around a current-carrying straight conductor. Which of the following steps is essential in applying the rule correctly?

- Ans** ☒ A. Use the left hand for orientation
☒ B. Align the thumb with the magnetic field
☒ C. Point the thumb in the direction of current
☒ D. Wrap fingers in the direction of the conductor

Q.4 The mass number of an atom represents the total count of which particles present within its nucleus?

- Ans** ☒ A. protons only
☒ B. protons and neutrons
☒ C. protons and electrons
☒ D. electrons and neutrons

Q.5 A weather report for a Himalayan town mentions wind direction reversal every evening, affecting local farming. Which atmospheric phenomenon is primarily responsible for this reversal?

- Ans** ☒ A. Daily cycle of valley and mountain breezes
☒ B. Onset of monsoon winds
☒ C. Movement of global wind belts
☒ D. Constant high-pressure wind flow

Q.6 Which feature of a velocity-time graph for uniform acceleration determines the value of acceleration?

- Ans
- ☐ A. The maximum value on the velocity axis
 - ☒ B. The slope of the velocity-time graph
 - ☐ C. The area under the velocity-time graph
 - ☐ D. The intercept on the velocity axis

Q.7 Imagine a region with abundant ancient plant remains, frequent earthquakes, and thick rock layers. Which fossil fuel is most likely to be found there and why?

- Ans
- ☐ A. Natural gas, because these conditions favor gas formation from volcanic activity
 - ☐ B. Oil, because these conditions favor oil formation from sea animals
 - ☒ C. Coal, because these conditions favor coal formation from ancient plants
 - ☐ D. No fossil fuels, because biomass cannot decay underground

Q.8 In an ecosystem, the organisms that recycle nutrients by breaking down dead matter are called:

- Ans
- ☒ A. Decomposers
 - ☐ B. Herbivores
 - ☐ C. Consumers
 - ☐ D. Producers

Q.9 Increase in concentration of harmful chemicals progressively through the trophic levels is called ____.

- Ans
- ☐ A. Decomposition
 - ☐ B. Recycling
 - ☐ C. Pollution
 - ☒ D. Biomagnification

Q.10 Which of the following best describes the role of apical meristems?

- Ans
- ☐ A. Increase the diameter of stems and roots.
 - ☒ B. Drive lengthwise growth at the tips of roots and shoots.
 - ☐ C. Form only in mature tissues after the plant has fully grown.
 - ☐ D. Store nutrients in parenchyma

Q.11 How does Paramecium ensure that food particles are directed to its intake spot?

- Ans
- ☐ A. Releases enzymes to move food particles
 - ☐ B. Forms pseudopodia to engulf food
 - ☐ C. Utilises contractile vacuoles for food transport
 - ☒ D. Uses movement of cilia covering the cell surface

Q.12 A 3 cm tall object is placed 9 cm in front of a concave lens with focal length 6 cm. What is the approximate height of the image formed?

- Ans
- ☐ A. 4 cm and upright
 - ☐ B. 1 cm and inverted
 - ☐ C. 3 cm and inverted
 - ☒ D. 1.2 cm and upright

Q.13 Which of the following is NOT true about simple machines?

- Ans
- ☐ A. They make tasks more convenient
 - ☐ B. They can change the direction of force
 - ☐ C. They can reduce the effort required
 - ☒ D. They reduce total work done in all cases

Q.14 A worker performs a task. Which of the following statements about power are correct?

1. If work remains constant and time increases, power decreases.
2. If time remains constant and work increases, power increases.
3. Power is directly proportional to work done.
4. Power is inversely proportional to time taken.

Ans ☒ A. 1, 3 and 4 only
☒ B. 1, 2, 3 and 4
☒ C. 2 and 4 only
☒ D. 1, 2 and 3 only

Q.15 Why are few metals NOT found in their native state of nature?

Ans ☒ A. Because they are soluble in nature.
☒ B. Because they are high density.
☒ C. Because they have high reactivity.
☒ D. Because they have low melting points.

Q.16 Read the following statements carefully and choose the CORRECT option:
Statement I: Neutralisation reactions always produce salt, water, and hydrogen gas.

Statement II: Neutralisation reaction is a type of double displacement reaction.

Ans ☒ A. Both statements are incorrect
☒ B. Only Statement II is correct
☒ C. Both statements are correct
☒ D. Only Statement I is correct

Q.17 If the refractive index of medium 2 with respect to medium 1 is n_{21} , which formula correctly represents n_{21} ?

Ans ☒ A. n_{21} = Speed of light in medium 1 minus speed of light in medium 2.
☒ B. n_{21} = Speed of light in medium 1 divided by speed of light in medium 2.
☒ C. n_{21} = Speed of light in medium 2 minus speed of light in medium 1.
☒ D. n_{21} = Speed of light in medium 2 divided by speed of light in medium 1.

Q.18 Why are magnetic field lines due to current in a straight conductor denser near the wire and farther apart as distance increases?

Ans ☒ A. Because magnetic field strength decreases with increasing distance from the wire
☒ B. Because the magnetic field becomes uniform farther away
☒ C. Because of interference from external magnets only
☒ D. Because the current in the wire decreases with distance

Q.19 Which product is commonly formed during anaerobic respiration in animals?

Ans ☒ A. Lactic acid
☒ B. Glucose
☒ C. Alcohol
☒ D. Oxygen

Q.20 A chemist mixes two colorless aqueous solutions X and Y. A white precipitate Z forms instantly. Later, analysis shows Z is insoluble calcium carbonate. Which pair of solutions was most likely used?

Ans ☒ A. NaCl and KNO_3
☒ B. HCl and NaOH
☒ C. ZnSO_4 and FeCl_2
☒ D. Na_2CO_3 and CaCl_2

Q.21 A taxonomist examines DNA sequences of two bacteria and finds high similarity. Based on current classification principles, which relationship does this suggest between them?

- Ans**
- ☐ A. They are unrelated
 - ☐ B. They occupy same ecological niche
 - ☒ C. They likely share a common ancestry
 - ☐ D. They belong to different domains

Q.22 A convex lens forms a real, inverted image of an object placed at a distance of 30 cm from the lens. The image is found to be formed at a distance of 60 cm on the other side of the lens. What is the focal length of the lens?

- Ans**
- ☐ A. 15 cm
 - ☐ B. 12 cm
 - ☐ C. 18 cm
 - ☒ D. 20 cm

Q.23 Which of the following statements about ethanol is CORRECT?

- Ans**
- ☐ A. Ethanol reacts with baking soda to release hydrogen gas.
 - ☐ B. Ethanol is a colorless, odourless liquid that does not evaporate easily.
 - ☒ C. Ethanol burns with a clear blue flame, producing carbon dioxide and water.
 - ☐ D. Ethanol does not mix with water at all.

Q.24 During the firing of a gun, the bullet moves forward while the gun recoils backward. Which option correctly identifies the action and the corresponding reaction in this situation?

- Ans**
- ☐ A. The bullet moves forward due to gunpowder only, and the gun moves backward due to its own weight.
 - ☒ B. The gun exerts a forward force on the bullet; the bullet exerts an equal backward force on the gun.
 - ☐ C. The bullet pushes the gun forward, and the gun pushes the bullet backward.
 - ☐ D. The gun and bullet both move because the trigger is pulled, not because of action-reaction forces.

Q.25 What is the valency of oxygen in MgO ?

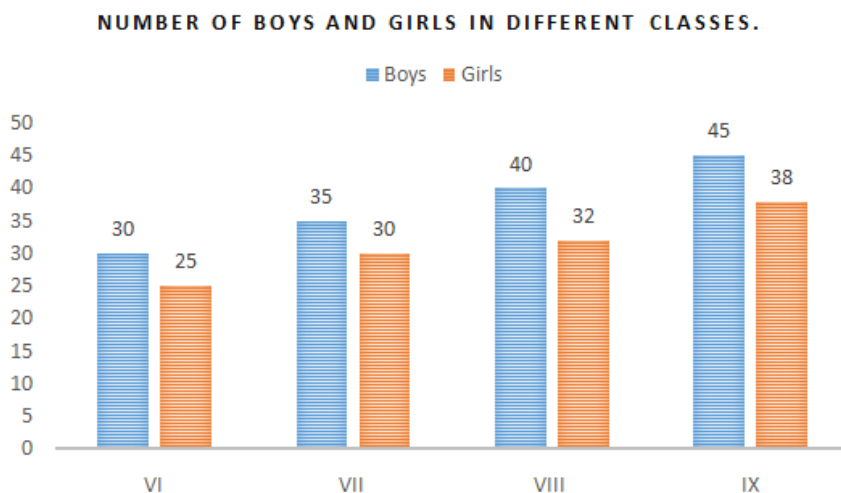
- Ans**
- ☐ A. Four
 - ☐ B. One
 - ☐ C. Three
 - ☒ D. Two

Section : Mathematics

Q.26 Two 80-m and 120-m long trains are running in opposite directions at the speeds of 50 km/hr and 30 km/hr, respectively. Calculate the time taken by the trains to cross each other.

- Ans**
- ☐ A. 12 seconds
 - ☒ B. 9 seconds
 - ☐ C. 8 seconds
 - ☐ D. 10 seconds

- Q.27** The given bar graph shows the number of boys and girls in different classes. If 20% of the boys and 25% of the girls from Class VIII participate in a competition, then how many students from Class VIII participate in the competition?



Ans ✓ A. 16

✗ B. 14

✗ C. 15

✗ D. 17

- Q.28** Two trains are travelling in opposite directions at 108 km/h and 90 km/h. If the length of the faster train is 550 metres, then find the time taken by the faster train to cross a man standing in the slower train.

Ans ✗ A. 15 seconds

✗ B. 11 seconds

✗ C. 12 seconds

✓ D. 10 seconds

- Q.29** Find the simple interest (in ₹) if a sum of ₹550 is borrowed for 3.5 years at 8% per annum rate of interest.

Ans ✗ A. 134

✗ B. 204

✓ C. 154

✗ D. 254

- Q.30** In a parallelogram ABCD, the diagonals intersect at O. $\angle BCA = 38^\circ$ and $\angle CAB = 27^\circ$. Find $\angle AOD$ if $\angle ADO : \angle CDO = 2 : 3$.

Ans ✗ A. 86°

✓ B. 96°

✗ C. 92°

✗ D. 102°

- Q.31** If the difference between compound interest (compounded annually) and simple interest for a sum at 5% per annum for 2 years is ₹5, what is the sum (in ₹)?

Ans ✗ A. 2,500

✗ B. 1,000

✓ C. 2,000

✗ D. 1,500

Q.32 Raman's income is ₹50,400, and he saves 7.5% of it. If his income increases by 26% and his expenditure increases by 20%, then by how much percent will his savings increase?

- Ans**
- ☐ A. 125%
 - ☐ B. 75%
 - ☒ C. 100%
 - ☐ D. 50%

Q.33 What is the least value that must be assigned to A so that the 8-digit number 910A3076 is divisible by 6?

- Ans**
- ☒ A. 1
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 4

Q.34 Anita saves y% of her income. If her income increases by 30% and her expenditure increases by 20%, her savings increase by 40%. What is the value of y?

- Ans**
- ☐ A. 48
 - ☐ B. 42
 - ☐ C. 43
 - ☒ D. 50

Q.35 The hypotenuse of a right-angled triangle is 46 cm and the difference of other two sides is 26 cm. Then, the area of the triangle is:

- Ans**
- ☐ A. 598 cm^2
 - ☒ B. 360 cm^2
 - ☐ C. 299 cm^2
 - ☐ D. 720 cm^2

Q.36 If the mean proportional between two numbers is 12 and one of the numbers is 8, what is the other number?

- Ans**
- ☐ A. 9
 - ☐ B. 24
 - ☒ C. 18
 - ☐ D. 36

Q.37 Simplify: $\left(\frac{17a^5b^2c^4}{51a^3b^3c^4}\right) \times 9b^3$

- Ans**
- ☐ A. $3ab^2$
 - ☒ B. $3a^2b^2$
 - ☐ C. $5a^2b$
 - ☐ D. $3ab$

Q.38 Simplify: $(\sqrt{50} + 2\sqrt{2})^2$

- Ans**
- ☐ A. 78
 - ☐ B. $78\sqrt{2}$
 - ☒ C. 98
 - ☐ D. $98\sqrt{5}$

Q.39 Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 48 hours and pipe C can fill the same tank in 16 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

- Ans** ☒ A. 4
☒ B. 1
☒ C. 2
☒ D. 3

Q.40 Three partners, A, B, and C, invest ₹25,000, ₹35,000, and ₹60,000, respectively. If the total profit is ₹66,000, what is the share of C?

- Ans** ☒ A. ₹33,000
☒ B. ₹35,000
☒ C. ₹37,000
☒ D. ₹39,000

Q.41 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 63% and 42%, shop II allows successive discounts of 43% and 88%, shop III allows successive discounts of 52% and 34% and shop IV allows successive discounts of 33%, 61% and 51% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. III
☒ B. I
☒ C. IV
☒ D. II

Q.42 Arvind bought an article for ₹x. He sold it to Biru at a loss of 25%. Biru spent ₹183 on its transportation and sold it to Minu at a profit of 45%. If Minu bought it for ₹1,479, then what is the value of x?

- Ans** ☒ A. 1,067
☒ B. 1,092
☒ C. 1,079
☒ D. 1,116

Q.43 A sum of money earns interest at a rate of 20% per annum, compounded half-yearly. An amount of ₹8,000 is invested on 1 January and another of ₹4,500 is invested on 1 July of the same year. Find the total interest earned at the end of the year.

- Ans** ☒ A. ₹2,190
☒ B. ₹2,250
☒ C. ₹2,130
☒ D. ₹2,280

Q.44 Three years ago, Mr. Sohan Lal was four times as old as his grandson. In eight years, his age will be thrice that of his grandson. Find the present age of Mr. Sohan Lal.

- Ans** ☒ A. 78 years
☒ B. 95 years
☒ C. 85 years
☒ D. 91 years

Q.45 The mean and the mode of a set of data are 62 and 43.6, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)

- Ans** ☒ A. 55.4
☒ B. 55.9
☒ C. 56.9
☒ D. 56.1

Q.46 If the surface areas of two spheres are in the ratio 900 : 1089, then the ratio of their volumes is ____.

- Ans ☐ A. 1000 : 1223
☐ B. 125 : 591
☐ C. 125 : 137
☒ D. 1000 : 1331

Q.47 If $\sin\theta + \operatorname{cosec}\theta = \sqrt{5}$, then find the value of $\sin^3\theta + \operatorname{cosec}^3\theta$.

- Ans ☐ A. $3\sqrt{5}$
☐ B. $4\sqrt{5}$
☐ C. $\sqrt{5}$
☒ D. $2\sqrt{5}$

Q.48 If $\cos\theta = \frac{1}{2}$, then $7\sec^2\theta + 3\tan^2\theta - 9$ equals to:

- Ans ☐ A. 31
☐ B. 9
☒ C. 28
☐ D. 14

Q.49 A chemist has 90 liters of a solution with alcohol and water in the ratio 1:2. How much water must be removed and replaced with alcohol to make the ratio 2:3?

- Ans ☐ A. 9 liters
☐ B. 5 liters
☒ C. 6 liters
☐ D. 7 liters

Q.50 Find the median of the following data.

Class interval	0-8	8-16	16-24	24-32	32-40	40-48
Frequency	5	7	12	8	10	13

- Ans ☐ A. 25.3
☐ B. 26.2
☐ C. 28.4
☒ D. 27.5

Section : General Intelligence and Reasoning

Q.51 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.
 I sits to the immediate right of Q. Only two people sit between R and P when counted from the right of R. Only three people sit between Z and K when counted from the right of K. P sits to the immediate right of K.
 Who sits second to the right of J?

- Ans ☐ A. K
☐ B. I
☐ C. Q
☒ D. P

Q.52 14 is related to 213 following a certain logic. Following the same logic, 22 is related to 333. To which of the following is 31 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 436
☒ B. 468
☒ C. 454
☒ D. 472

Q.53 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept between S and Q. T is kept above S. Only two boxes are kept between I and J. K is kept immediately above R. J is not kept immediately above K. No box is kept below Q. Which box is kept fourth from the top?

- Ans** ☒ A. I
☒ B. K
☒ C. J
☒ D. R

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?

$$40 \div 2 + 12 \times 3 - 9 = ?$$

- Ans** ☒ A. 115
☒ B. 85
☒ C. 95
☒ D. 105

Q.55 This question is based on the following words.

POR MIC HAS WET

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.56 In a row of 85 students facing the north, Nishtha's position is 25th from the left end and Vibha's position is 28th from the right end. How many students are sitting between Nishtha and Vibha?

- Ans** ☒ A. 32
☒ B. 31
☒ C. 34
☒ D. 33

Q.57 19 is related to 57 in a certain way. Following the same way, 25 is related to 75. To which of the following is 10 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 34
☐ B. 31
☐ C. 33
☒ D. 30

Q.58 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, what will be the sum of the digits which are first from the left and first from the right in the new number thus formed?

- Ans** ☐ A. 10
☐ B. 16
☐ C. 12
☒ D. 14

Q.59 In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y # R @ B - G'?

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

Q.60 Each letter in the word KNIFERS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is third from the left and the one that is second from the right in the new letter-cluster thus formed?

- Ans** ☐ A. 7
☐ B. 9
☒ C. 8
☐ D. 11

Q.61 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits third to the left of F. D sits second to the left of G. F is an immediate neighbour of both E and D. A is not an immediate neighbour of B. How many people sit between E and G when counted from the right of E?

- Ans** ☐ A. 4
☒ B. 3
☐ 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 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. FI - BE
☒ B. BE - XB
☒ C. PS - LO
☒ D. KN - GJ

Q.63 What should come in place of the question mark (?) in the given series?

72 84 93 105 114 126 ?

- Ans** ☒ A. 135
☒ B. 138
☒ C. 141
☒ D. 132

Q.64 Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. P has an exam on Friday. Only one person has an exam between P and R. U has an exam immediately before R. Only three people have an exam between U and V. T has an exam after V but before S. When does Q have an exam?

- Ans** ☒ A. Tuesday
☒ B. Monday
☒ C. Thursday
☒ D. Sunday

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.

CJM : EHO
GLN : IJP

- Ans** ☒ A. FKM : GMO
☒ B. BPW : DNY
☒ C. CFO : EHM
☒ D. DGL : EOH

Q.66 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: GIE :: EGC : %

- Ans** ☒ A. # = JLH , % = BDZ
☒ B. # = JPH , % = BDD
☒ C. # = OBH , % = BER
☒ D. # = JOX , % = ASZ

Q.67 What should come in place of ? in the given series based on the English alphabetical order?

LDE JGD HJC FMB ?

- Ans** ☒ A. DSR
☒ B. HYT
☒ C. GFR
☒ D. DPA

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. MP - PU
 ☐ B. KN - JM
 ☐ C. NQ - MP
 ☐ D. OR - NQ

Q.69 This question is based on the following words:

VAN LIE JOY HEN

If in each of the words, every letter is changed to the letter immediately following it in the English alphabetical order, how many letter-clusters thus formed will have no vowels?

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

Q.70 What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$112 - 32 \div 6 + 88 \times 11 = ?$$

- Ans** ☐ A. 300
 ☐ B. 298
 ☐ C. 291
 ☒ D. 296

Q.71 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HBO :: LIV : %

- Ans** ☐ A. # = GCP, % = ILV
 ☐ B. # = IAR, % = KJT
 ☐ C. # = IAR, % = VIL
 ☒ D. # = IAR, % = KJS

Q.72 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'.

How is Manoj related to Wasim if 'Manoj @ Palak % Soumya \$ Jagriti # Wasim'?

- Ans** ☐ A. Brother's wife's mother's mother
 ☐ B. Brother's wife's mother's sister
 ☒ C. Brother's wife's father's mother
 ☐ D. Brother's wife's father's sister

Q.73 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) V L E N H N F I N P V O Y B Z Y E W P O A A (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. 5

☐ B. 6

☐ C. 7

☐ D. 4

Q.74 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five children – A, B, C, D, and E – who is the shortest?

(I) A is shorter than B and C. B is shorter than D.

(II) A is shorter than E. B is shorter than E. C is shorter than E. D is shorter than E.

Ans ☐ A. Data in statement II alone is sufficient to answer the question while data in statement I is not.

☐ B. Data in statement I alone is sufficient to answer the question while data in statement II is not.

☐ C. Both statements I and II together are NOT sufficient to answer the question.

☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.75 The position(s) of how many letters will remain unchanged if each letter in the word BLOCKING is arranged in the English alphabetical order?

Ans ☒ A. Three

☐ B. Two

☐ C. None

☐ D. One

Q.76 Manohar starts from Point A and drives 16 km towards the north. He then takes a right turn, drives 6 km, turns right and drives 17 km. He then takes a right turn and drives 10 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. 4 km to the east

☐ B. 5 km to the west

☐ C. 5 km to the east

☐ D. 4 km to the west

Q.77 Saksham starts from Point A and drives 18 km towards north. He then takes a left turn, drives 15 km, turns left and drives 21 km. He then takes a left turn and drives 17 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. 1 km towards north

☐ B. 4 km towards east

☒ C. 2 km towards west

☐ D. 3 km towards west

Q.78 In a certain code language, 'window is closed' is coded as 'ra cy mb' and 'he is bad' is coded as 'cy tg lo'. How is 'is' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☐ A. lo
 - ☐ B. mb
 - ☐ C. tg
 - ☒ D. cy

Q.79 Refer to the given letter, 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) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

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

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

Q.80 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) A \$ 3 B 7 @ M 2 % P 9 # D 4 & H 5 @ J 8 ! (Right)

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

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

Section : General Awareness and Current Affairs

Q.81 Vajra Prahar conducted from February 24 to March 16, 2026, at the Special Forces Training School, Bakloh, Himachal Pradesh, was organised as a bilateral Special Forces military drill between India and which country?

- Ans**
- ☒ A. United States
 - ☐ B. Russia
 - ☐ C. Australia
 - ☐ D. France

Q.82 In 2026, the Government of India notified amendments to the Plastic Waste Management Rules, making it mandatory for producers and brand owners to use what type of material in plastic packaging to promote circular economy practices?

- Ans**
- ☒ A. Recycled plastic content
 - ☐ B. Imported compostable packaging material
 - ☐ C. Bamboo-based polymer substitutes
 - ☐ D. Biodegradable metallic coatings

Q.83 What was the official theme of Earth Day 2026, an environmental awareness movement that was born on 22 April 1970 and initiated by U.S. Senator Gaylord Nelson?

- Ans**
- ☒ A. Our Power, Our Planet
 - ☐ B. Invest in Our Planet
 - ☐ C. Restore Our Earth
 - ☐ D. Planet vs. Plastics

Q.84 Which player was conferred the title of India's 94th Chess Grandmaster in March 2026?

- Ans**
- ☐ A. R Praggnanandhaa
 - ☒ B. Mayank Chakraborty
 - ☐ C. D Gukesh
 - ☐ D. Arjun Erigaisi

Q.85 In March 2026, the Publications Division of the Ministry of Information and Broadcasting released which latest annual reference publication in both English and Hindi?

- Ans**
- ☒ A. Bharat 2026: A Reference Annual
 - ☐ B. New India: Policy and Progress
 - ☐ C. India 2047: A Development Report
 - ☐ D. Governance in India: Annual Review

Q.86 In December 2025, which organisation successfully tested a high-speed indigenous fighter jet escape system?

- Ans**
- ☐ A. Hindustan Aeronautics Limited (HAL)
 - ☐ B. Indian Space Research Organisation (ISRO)
 - ☒ C. Defence Research and Development Organisation (DRDO)
 - ☐ D. Bharat Heavy Electricals Limited (BHEL)

Q.87 The 21st Edition of the Global Risks Report 2026 was released by which of the following organizations?

- Ans**
- ☐ A. World Bank
 - ☐ B. International Monetary Fund
 - ☐ C. United Nations Development Programme
 - ☒ D. World Economic Forum

Q.88 The "Khelo India Tribal Games 2026", which focused on promoting indigenous and traditional Indian sports, was held in which Indian state?

- Ans**
- ☐ A. Odisha
 - ☒ B. Chhattisgarh
 - ☐ C. Jharkhand
 - ☐ D. Madhya Pradesh

Q.89 The State Disaster Management Authority selected in the Institutional Category for the Subhash Chandra Bose Aapda Prabandhan Puraskar 2026 had belonged to which state?

- Ans**
- ☒ A. Sikkim
 - ☐ B. Himachal Pradesh
 - ☐ C. Assam
 - ☐ D. Uttarakhand

Q.90 The 2026 World Athletics Indoor Championships (20–22 March 2026), where Armand "Mondo" Duplantis won his fourth consecutive indoor pole vault title, was held at the Kujawsko-Pomorska Arena in which city?

- Ans**
- ☐ A. Warsaw, Poland
 - ☒ B. Toruń, Poland
 - ☐ C. Kraków, Poland
 - ☐ D. Gdańsk, Poland

Q.91 Which national campaign is being strengthened in 2026 to address the problem of drug abuse among the youth in India?

- Ans**
- ☒ A. Nasha Mukt Bharat Abhiyan
 - ☐ B. Startup India Scheme
 - ☐ C. Digital India Programme
 - ☐ D. Fit India Movement

Q.92 Which institution launched the Central Prabharī Officer (CPO) Portal in May 2026 to strengthen real-time governance, stakeholder coordination, and last-mile delivery under the Aspirational Districts and Blocks Programme?

- Ans**
- ☐ A. National Informatics Centre
 - ☐ B. Department of Administrative Reforms and Public Grievances
 - ☐ C. National Human Rights Commission
 - ☒ D. NITI Aayog

Q.93 In January 2026, which rural development scheme was launched by the Gujarat government to provide urban-like facilities in villages?

- Ans**
- ☒ A. Mukhyamantri Gramotthan Yojana
 - ☐ B. Mukhyamantri Gramvikas Yojana
 - ☐ C. Mukhyamantri Gramkalyan Yojana
 - ☐ D. Mukhyamantri Shaheri Vikas Yojana

Q.94 In 2026, the state of Andhra Pradesh specially compiled the works of a legendary Carnatic composer who was posthumously awarded the Padma Shri. Which individual's spiritual and classical compositions were honored in this manner?

- Ans**
- ☐ A. Dr. Mandolin U. Srinivas
 - ☐ B. Ms. Sudha Raghunathan
 - ☐ C. Pt. Ajay Pohankar
 - ☒ D. Shri Garimella Balakrishna Prasad

Q.95 In April 2026, which organization launched the strategic roadmap "DPI@2047 for Viksit Bharat"?

- Ans**
- ☒ A. National Institution for Transforming India
 - ☐ B. Telecom Regulatory Authority of India
 - ☐ C. Securities and Exchange Board of India Organization
 - ☐ D. Ministry of Electronics and Information Technology

Q.96 Which player won the 2026 Australian Open women's singles title, claiming her second Grand Slam—her first being Wimbledon 2022?

- Ans**
- ☐ A. Jessica Pegula
 - ☐ B. Aryna Sabalenka
 - ☐ C. Iga Świątek
 - ☒ D. Elena Rybakina

Q.97 Following the 2026 West Bengal Legislative Assembly Elections, who was sworn in as the first BJP Chief Minister of West Bengal on May 9, 2026?

- Ans**
- ☐ A. Dilip Ghosh
 - ☐ B. Agnimitra Paul
 - ☒ C. Suwendu Adhikari
 - ☐ D. Locket Chatterjee

Q.98 In 2026, India achieved a major milestone under the National Quantum Mission. What was this landmark achievement?

- Ans**
- ☐ A. Developing a quantum internet for the Mumbai financial district.
 - ☐ B. Achieving quantum supremacy in computational speed.
 - ☒ C. Completing 1,000 kms of secure quantum communication.
 - ☐ D. Launching the world's first quantum computing satellite.

Q.99 The Viksit Bharat – Guarantee for Rozgar and Ajeevika Mission (Gramin) (VB-G RAM G) Act introduced in December 2025 included:

- Ans**
- ☐ A. Complete privatisation of rural employment delivery
 - ☐ B. Limiting participation to agricultural labourers only
 - ☒ C. Increasing guaranteed workdays from 100 to 125
 - ☐ D. Replacement of DBT with food-grain transfers

Q.100 Who had assumed charge as the Deputy Governor of the Reserve Bank of India (RBI) in May 2026 for a tenure of three years following the retirement of T. Rabi Sankar?

- Ans**
- ☐ A. Rohit Sharma
 - ☐ B. Rajesh Kumar
 - ☐ C. Rakesh Sinha
 - ☒ D. Rohit Jain



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ 2 Batasingaram
Test Date	14/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following changes will most likely reduce the clarity of an echo in a large room?

- Ans**
- ☒ A. Adding thick curtains to the walls
 - ☐ B. Making the room larger
 - ☐ C. Installing smooth ceramic tiles
 - ☐ D. Painting the walls a light colour

Q.2 What do methane, ethane and propane represent in the study of carbon compounds?

- Ans**
- ☐ A. Chains containing aromatic carbon atoms
 - ☒ B. Chains containing increasing carbon atoms
 - ☐ C. Chains containing single carbon atom
 - ☐ D. Chains containing mixed metal atoms

Q.3 Which of the following phenomena is explained by Bohr's model?

- Ans**
- ☐ A. Rutherford scattering
 - ☐ B. Diffraction of neutron
 - ☒ C. Hydrogen line spectrum
 - ☐ D. Diffraction of proton

Q.4 A student classifies animals in a diagram by both activity time (day/night) and visible characteristics. Which statement best shows what combining these criteria demonstrates about scientific classification?

- Ans**
- ☐ A. It always focuses on genetics
 - ☐ B. It creates unique groups
 - ☒ C. It allows for multiple perspectives
 - ☐ D. It eliminates overlaps

Q.5 When a metal reacts with a dilute acid, hydrogen gas is released. What is the compound formed along with hydrogen gas called?

- Ans**
- ☐ A. Oxide
 - ☐ B. Base
 - ☐ C. Water
 - ☒ D. Salt

Q.6 A diver jumps off a diving board into a pool. At the moment just before entering the water, which statement best applies according to the law of conservation of energy?

- Ans**
- ☐ A. The diver loses energy during the fall to the surroundings
 - ☐ B. The diver's potential energy stays the same throughout
 - ☐ C. The diver's total energy increases during the fall
 - ☒ D. The diver's loss in potential energy equals the gain in kinetic energy

Q.7 On a velocity-time graph, what does a horizontal straight line above the time axis indicate about the motion of the object?

- Ans**
- ☒ A. Constant velocity
 - ☐ B. Increasing velocity
 - ☐ C. Changing direction
 - ☐ D. Constant acceleration

Q.8 What is the role of decomposers in an ecosystem?

- Ans**
- ☐ A. Synthesize organic substances from inorganic substances
 - ☐ B. Convert light energy into chemical energy
 - ☒ C. Break down dead remains of organisms
 - ☐ D. Bring about the death of plants

Q.9 Complete the analogy.
Light Microscope: Visible Light:: Electron Microscope: _____.

- Ans**
- ☐ A. Laser Light
 - ☐ B. X rays
 - ☐ C. Ultraviolet Light
 - ☒ D. Electron Beam

Q.10 The measure of an image's clarity is called _____, whereas _____ is the brightness difference between object parts.

- Ans**
- ☐ A. magnification, illumination
 - ☐ B. contrast, resolution
 - ☒ C. resolution, contrast
 - ☐ D. illumination, magnification

Q.11 Which of the following pairs is correctly matched?

- Ans**
- ☐ A. Au – Aluminum
 - ☐ B. Ag – Argon
 - ☒ C. Pb – Lead
 - ☐ D. Fe – Fluorine

Q.12 What is the primary reason water moves into the phloem tissue after sucrose is actively loaded into it in plants?

- Ans**
- ☒ A. The increase in osmotic pressure draws water into the phloem
 - ☐ B. Increased ATP usage raises the temperature in the phloem
 - ☐ C. Pressure equalizes between phloem and xylem tissues
 - ☐ D. Water moves to phloem due to root pressure buildup

Q.13 A technician reverses the direction of current in a conductor placed in a magnetic field. According to Fleming's Left Hand Rule, what will happen to the direction of force on the conductor?

- Ans**
- ☒ A. The force will always increase
 - ☒ B. The force direction will remain unchanged
 - ☒ C. The force direction will reverse
 - ☒ D. The force will disappear

Q.14 When an object is placed at $2F_1$ of a convex lens, where is the image formed?

- Ans**
- ☒ A. At $2F_2$
 - ☒ B. At infinity
 - ☒ C. At F_2
 - ☒ D. Between F_2 and $2F_2$

Q.15 A student accidentally spills a small amount of dilute sulfuric acid on the laboratory table. The teacher suggests adding sodium bicarbonate powder to neutralize the acid.

Which product confirms that a neutralization reaction has occurred?

- Ans**
- ☒ A. Formation of metal oxide
 - ☒ B. Formation of hydrogen gas
 - ☒ C. Formation of oxygen gas
 - ☒ D. Formation of carbon dioxide and salt

Q.16 Who was the first scientist to use the term 'element'?

- Ans**
- ☒ A. Robert Boyle
 - ☒ B. JJ Thomson
 - ☒ C. John Dalton
 - ☒ D. Antoine Lavoisier

Q.17 Identify the correct statement regarding the reaction of sodium carbonate and dilute HCl.

- Ans**
- ☒ A. Carbon monoxide is released.
 - ☒ B. Carbon dioxide is released.
 - ☒ C. Hydrogen is released.
 - ☒ D. Chlorine is released.

Q.18 A student observes green mats growing on rocks in a damp forest. They have rhizoid-like structures but lack true roots. Which class do these plants most likely represent?

- Ans**
- ☒ A. Bryophyta
 - ☒ B. Pteridophyta
 - ☒ C. Thallophyta
 - ☒ D. Gymnosperm

Q.19 In a tug-of-war, Team A pulls Team B with a force of 300 N. According to Newton's Third Law, what force does Team B exert on Team A?

- Ans**
- ☒ A. 300 N in the opposite direction
 - ☒ B. 150 N in the same direction
 - ☒ C. 300 N in the same direction
 - ☒ D. 600 N in the opposite direction

Q.20 What does the fact that movement in a plant occurs away from the point of touch suggest about plant coordination?

- Ans**
- ☐ A. Water absorption
 - ☐ B. Photosynthesis
 - ☐ C. Growth stimulation
 - ☒ D. Signal transmission

Q.21 A chemist is designing a synthetic route for a new medicine and must select a carbon compound as the starting material. Which property of carbon allows it to form a wide variety of organic molecules suitable for this task?

- Ans**
- ☐ A. Carbon's ability to lose electrons easily
 - ☐ B. Carbon's ability to attract electrons strongly
 - ☒ C. Carbon's ability to form four strong covalent bonds
 - ☐ D. Carbon's ability to form double bonds with oxygen

Q.22 Why can humans NOT hear the sound produced by a bat?

- Ans**
- ☐ A. The frequency of bat sounds is below 20 Hz.
 - ☒ B. The frequency of bat sounds is above 20,000 Hz.
 - ☐ C. The sound is too loud for humans.
 - ☐ D. The sound travels only in water.

Q.23 Which of the following graphs best represents Ohm's Law for a resistor at constant temperature?

- Ans**
- ☐ A. A horizontal line graph when current is plotted against voltage
 - ☐ B. A straight line graph not passing through the origin when current is plotted against voltage
 - ☒ C. A straight line graph passing through the origin when current is plotted against voltage
 - ☐ D. A curved line graph passing through the origin when current is plotted against voltage

Q.24 Which of the following organs is most commonly affected by smoking tobacco products?

- Ans**
- ☐ A. Intestine
 - ☐ B. Brain
 - ☒ C. Lungs
 - ☐ D. Pancreas

Q.25 What form of energy does a glowing bulb emit?

- Ans**
- ☒ A. Light energy
 - ☐ B. Chemical energy
 - ☐ C. Sound energy
 - ☐ D. Gravitational energy

Section : Mathematics

Q.26 From the following data, what is the value of the median?

18, 20, 21, 25, 26, 23, 29, 32, 41, 33, 39

- Ans**
- ☐ A. 25
 - ☐ B. 29
 - ☐ C. 32
 - ☒ D. 26

Q.27 The surface area of a sphere is numerically equal to the volume of another sphere. If the radius of the first sphere is 7 cm, find the radius (in cm) of the second sphere.

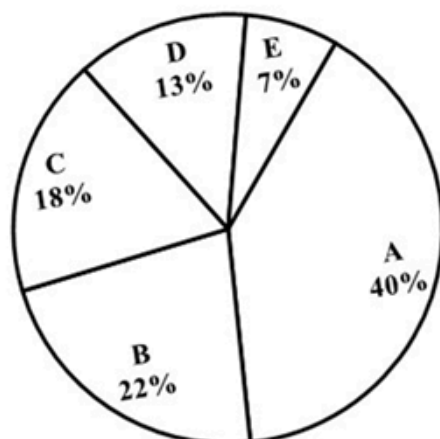
- Ans**
- ☐ A. $\sqrt{147}$
 - ☒ B. $\sqrt[3]{147}$
 - ☐ C. $\sqrt{174}$
 - ☐ D. $\sqrt[3]{174}$

Q.28 Arvind bought an article for ₹x. He sold it to Biru at a loss of 19%. Biru spent ₹166 on its transportation and sold it to Minu at a profit of 35%. If Minu bought it for ₹1,755, then what is the value of x?

- Ans**
- ☒ A. 1,400
 - ☐ B. 1,450
 - ☐ C. 1,350
 - ☐ D. 1,500

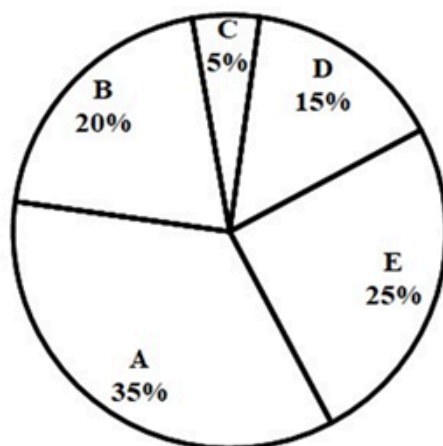
Q.29 Study the two pie-charts given below and answer the question that follows.

MARCH MONTH'S SALARY: ₹ 34000



A - Education B - Savings
 C - Grocery D - Electricity and Phone Bills
 E - Miscellaneous

APRIL MONTH'S SALARY: ₹ 35000



Find the ratio of the amount spent for education from March's salary and that spent for grocery from April's salary.

- Ans ☒ A. 271:33
☒ B. 272:35
☒ C. 271:35
☒ D. 272:33

Q.30 The company has two options to pack a certain item.

Box A: Cubical box of side 5 cm

Box B: Cuboidal box of $l = 6$ cm, $b = 4$ cm and $h = 3$ cm.

The cost of cardboard required to make boxes is ₹10/cm². However, box A uses 10% more cardboard while box B uses 15% more cardboard due to fold and turns.

Which box will the company prefer to minimise the total cost of cardboard and what is the cost of making it?

- Ans ☒ A. Box A: ₹1650
☒ B. Box B: ₹1242
☒ C. Box A: ₹1500
☒ D. Box B: ₹1800

Q.31 Given that $94^{0.8} = x$, $94^{0.03} = y$ and $x^z = y^2$, then the value of z is:

- Ans
- ☐ A. 1.175
 - ☒ B. 0.075
 - ☐ C. 0.625
 - ☐ D. 1.225

Q.32 Find the simple interest (in ₹) on a sum of ₹600 borrowed for 2.5 years at a rate of interest of 4% per annum.

- Ans
- ☐ A. 70
 - ☐ B. 40
 - ☐ C. 50
 - ☒ D. 60

Q.33 A car travels from city A to city B at 30 km/hr and returns at 45 km/hr. Find the average speed for the entire trip.

- Ans
- ☐ A. 40 km/hr
 - ☐ B. 35 km/hr
 - ☒ C. 36 km/hr
 - ☐ D. 42 km/hr

Q.34 A common external tangent is drawn to two circles of radius r units each. The common tangent is $2r$ units. The distance between the centres of the circles is

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

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 81% and that of the TV decreases by 47%, then what is the percentage change in the total cost of 4 washing machines and 3 TVs?

- Ans
- ☐ A. Increase by 3.2%
 - ☐ B. Decrease by 2.1%
 - ☐ C. Decrease by 5.4%
 - ☒ D. Increase by 4.2%

Q.36 Simplify $32 - 5 \text{ of } (17 - 12) + 4 \times 7 - 6 \div 3$.

- Ans
- ☐ A. 32
 - ☐ B. 35
 - ☒ C. 33
 - ☐ D. 31

Q.37 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 18% and 65%, shop II allows successive discounts of 56% and 86%, shop III allows successive discounts of 53% and 69% and shop IV allows successive discounts of 15%, 60% and 65% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans
- ☒ A. II
 - ☐ B. III
 - ☐ C. IV
 - ☐ D. I

Q.38 If the mean of the following data is 47, then what is the value of x ?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	20	29	22	32	x

Ans ☒ A. 53

☒ B. 32

☒ C. 36

☒ D. 30

Q.39 Yuvraj deposited a certain sum of money at 20% rate of interest per annum, compounded annually. At the end of 2 years, Yuvraj received a total amount of ₹34,668. What was the sum of money deposited by Yuvraj?

Ans ☒ A. ₹24,075

☒ B. ₹23,641

☒ C. ₹23,925

☒ D. ₹23,790

Q.40 A vessel contains a mixture of orange juice and water in the ratio 3:5. How many litres should be replaced with water so that the ratio becomes 2:5, given the total mix is 168 L?

Ans ☒ A. 45 L

☒ B. 40 L

☒ C. 42 L

☒ D. 38 L

Q.41 If $x:(y+z)=3:8$, $y:(x+z)=4:11$, and $x+y+z=4950$, then find the value of $z-y$.

Ans ☒ A. 840

☒ B. 960

☒ C. 720

☒ D. 1080

Q.42 Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 36 hours and pipe C can fill the same tank in 18 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

Ans ☒ A. 2

☒ B. 3

☒ C. 4

☒ D. 1

Q.43 The distance between two cities A and B is 120 km. A motorcycle rider starts from A towards B at 8 am at a speed of 21 km/h. Another motorcyclist starts from B towards A at 9 am at a speed of 34 km/h. At what time (in 12-hour clock format) will they cross each other?

Ans ☒ A. 10:48 am

☒ B. 10:15 am

☒ C. 11:20 am

☒ D. 11:10 am

Q.44 If x , 2.6, 5.2 and 10.4 are in proportion, what is the value of x ?

Ans ☒ A. 1.8

☒ B. 2.4

☒ C. 1.2

☒ D. 1.3

Q.45 Six years ago, A's age was half of what his age will be six years from now. What is A's present age?

- Ans
- ☐ A. 13 years
 - ☐ B. 12 years
 - ☐ C. 24 years
 - ☒ D. 18 years

Q.46 The number of students in a class is a prime number greater than 50 but less than 58. How many students are there in the class?

- Ans
- ☐ A. 57
 - ☐ B. 52
 - ☐ C. 55
 - ☒ D. 53

Q.47 What will be the compound interest on a sum of ₹10,176 after 3 years at the rate of 25% per annum, interest being compounded annually?

- Ans
- ☒ A. ₹9,699
 - ☐ B. ₹9,799
 - ☐ C. ₹9,999
 - ☐ D. ₹9,899

Q.48 In a town, 75% of the registered voters cast their votes in an election contested by candidates X and Y. Candidate X won the election by 840 votes. If candidate Y had received 50% more votes, the election would have resulted in a tie. Find the total number of registered voters in the town.

- Ans
- ☐ A. 5700
 - ☐ B. 5230
 - ☒ C. 5600
 - ☐ D. 4800

Q.49 The value of $\sin^2 42^\circ + \sin^2 48^\circ + \sec^2 30^\circ - \cot^2 45^\circ$ is:

- Ans
- ☐ A. $\frac{3}{4}$
 - ☐ B. $\frac{2}{3}$
 - ☒ C. $\frac{4}{3}$
 - ☐ D. 1

Q.50 In $\triangle ABC$, $\angle C = 90^\circ$, and $\tan A = \sqrt{6}$, then find the value of $\sin A$

- Ans
- ☐ A. 1
 - ☐ B. 0
 - ☐ C. $\frac{\sqrt{3}}{2}$
 - ☒ D. $\frac{6}{7}$

Section : General Intelligence and Reasoning

Q.51 What should come in place of the question mark (?) in the given series?

205 181 157 133 109 ?

- Ans ☒ A. 81
☒ B. 85
☒ C. 89
☒ D. 93

Q.52 Refer to the given letter and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) £ V ÷ L ÷ H @ Y S € > K ? V Ω G Z ? U \$ A © E @ \$ U Ω E (Right)

How many such symbols are there, which are immediately preceded by a symbol and also immediately followed by a letter?

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

Q.53 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 apples are fruits.

Some fruits are sweet.

Conclusions:

(I) Some apples are sweet.

(II) All sweet are apples.

- 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.54 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$77 \div 11 + 225 \times 5 - 126 = ?$

- Ans ☒ A. 924
☒ B. 919
☒ C. 928
☒ D. 914

Q.55 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 32 - 42 - 54;
33 - 41 - 51 - 63

- Ans** ☒ A. 21 - 31 - 38 - 40
☒ B. 16 - 32 - 42 - 52
☒ C. 18 - 24 - 34 - 52
☒ D. 34 - 42 - 52 - 64

Q.56 What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$8 \div 4 - 38 + 49 \times 7 = ?$

- Ans** ☒ A. 71
☒ B. 67
☒ C. 61
☒ D. 63

Q.57 Each vowel in the word DECONGESTED is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans** ☒ A. F
☒ B. B
☒ C. E
☒ D. A

Q.58 Each of P, Q, R, S, T, U and V has an exam on a different day of the same week starting from Monday and ending on Sunday. R has an exam on Thursday. Only two people have an exam between V and R. Only three people have an exam between U and V. T has an exam after U but before S. Q has an exam immediately before P but not on Monday. How many people have an exam between V and P?

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

Q.59 This question is based on the given words.

TRY MAT CAN JUG

If in each of the words, each letter is changed to the second letter immediately following it in the English alphabetical order, how many words thus formed will have more than one vowel?

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

Q.60 Smita starts from Point A and drives 6 km towards north. She then takes a left turn, drives 8 km, turns left and drives 10 km. She then takes a left turn and drives 12 km. She takes a final left turn, drives 4 km and stops at Point B. 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 south
 - ☒ B. 4 km towards west
 - ☒ C. 5 km towards east
 - ☒ D. 4 km towards north

Q.61 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: LMN :: STU : %

- Ans**
- ☒ A. # = MNP, % = TUS
 - ☒ B. # = XYZ, % = TUS
 - ☒ C. # = IJK, % = VWX
 - ☒ D. # = LMP, % = VWX

Q.62 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: PLQ :: LHM : %

- Ans**
- ☒ A. # = SOT, % = IEJ
 - ☒ B. # = SIT, % = IEQ
 - ☒ C. # = PIT, % = IEV
 - ☒ D. # = SPZ, % = QPJ

Q.63 In a certain code language, 'TINY' is coded as '2176' and 'ANTI' is coded as '7618'. How is 'A' coded in that language?

- Ans**
- ☒ A. 6
 - ☒ B. 7
 - ☒ C. 8
 - ☒ D. 1

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

LRM IOJ FLG CID ?

- Ans**
- ☒ A. ZAF
 - ☒ B. ZER
 - ☒ C. ZDS
 - ☒ D. ZFA

Q.65 Each of A, B, C, D, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
Only three people have the exam between Q and B. Only three people have the exam between R and P. D has the exam on some day before A and on some day after C. Only P has the exam after B.
How many people have the exam after Q?

- Ans**
- ☒ A. Six
 - ☒ B. Five
 - ☒ C. Two
 - ☒ D. Four

Q.66 Each vowel in the word 'MOURNED' is changed to the immediate second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

- Ans ☒ A. Q
☐ B. G
☐ C. C
☐ D. M

Q.67 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) $\infty * R M \% \& H G W \pi R \beta U H \# * + L \div V A \Omega H M = A V$ (Right)

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

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

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. HX-QW
☒ B. TJ-EI
☐ C. CS-LR
☐ D. VL-EK

Q.69 35 is related to 283 following a certain logic. Following the same logic, 27 is related to 219. To which of the following is 41 related, following the same logic?

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

- Ans ☐ A. 310
☐ B. 319
☒ C. 331
☐ D. 301

Q.70 A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

P lives on the topmost floor. Only three people live between P and G. S lives on a floor below G. A lives on an even-numbered floor. Y lives on an odd-numbered floor but not on floor number 5.

How many people live between H and G?

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

Q.71 V is wife of W. W is brother of X. X is father of Y. How is V related to Y?

- Ans**
- ☐ A. Mother's Sister's Husband
 - ☒ B. Father's Brother's Wife
 - ☐ C. Sister's Husband
 - ☐ D. Brother's Wife

Q.72 This question is based on the following words.

RUG DOF AMP DIM

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.73 A, B, C, D, E, F and G are sitting around a circular table facing the centre. A is sitting to the immediate right of E and immediate left of D. F is sitting to the immediate right of D. G is sitting second to the right of F. C is not the immediate neighbour of F. Who is sitting to the immediate right of F?

- Ans**
- ☐ A. G
 - ☒ B. B
 - ☐ C. A
 - ☐ D. E

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?

201 D 400 A 5 B 2 C 31 = ?

- Ans**
- ☒ A. 72
 - ☐ B. 74
 - ☐ C. 70
 - ☐ D. 78

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. TQ - SO
 - ☐ B. MJ - LI
 - ☐ C. FC - EB
 - ☐ D. OL - NK

Q.76 In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y # R - B @ G'?

- Ans**
- ☐ A. Brother's wife
 - ☒ B. Brother's wife's sister
 - ☐ C. Brother's daughter
 - ☐ D. Brother's wife's mother

Q.77 In a certain code language, 'TANK' is coded as '9356' and 'AUNT' is coded as '6579'. How is 'U' coded in that language?

- Ans** ☒ A. 7
☐ B. 5
☐ C. 6
☐ D. 9

Q.78 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: LNJ :: SUQ : %

- Ans** ☐ A. # = MPK, % = TUS
☒ B. # = IKG, % = VXT
☐ C. # = MPK, % = WVX
☐ D. # = PRO, % = VWX

Q.79 Refer to the given 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 4 \$ ^ / * > % @ 8 & > / 5 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. Two
☐ B. Three
☒ C. One
☐ D. None

Q.80 Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table. Q sits to the immediate left of J. R is an immediate neighbour of both K and Z. Z sits third to the left of J. P is not an immediate neighbor of Z. Who sits third to the right of I?

- Ans** ☐ A. R
☒ B. P
☐ C. Q
☐ D. J

Section : General Awareness and Current Affairs

Q.81 What triggered the 2025 India-Pakistan crisis?

- Ans** ☐ A. Diplomatic expulsion of ambassadors
☒ B. Terrorist attack in Pahalgam, Kashmir
☐ C. Cross-border artillery fire
☐ D. Suspension of the Indus Waters Treaty

Q.82 Which cricket team defeated Haryana in the final to claim their maiden Syed Mushtaq Ali Trophy title in 2025?

- Ans** ☐ A. Karnataka
☐ B. Rajasthan
☒ C. Jharkhand
☐ D. Punjab

Q.83 Which ISRO mission detected the effects of Coronal Mass Ejections (CMEs) on the Moon's exosphere, marking a global first in 2025?

- Ans**
- ☐ A. Aditya-L1
 - ☐ B. Chandrayaan-1
 - ☒ C. Chandrayaan-2
 - ☐ D. Chandrayaan-3

Q.84 Which weightlifter had won the gold medal in the men's 65-kilogram category at the Commonwealth Youth Weightlifting Championships conducted in Samoa during April 2026?

- Ans**
- ☒ A. Sunil Singh
 - ☐ B. Jeremy Lalrinnunga
 - ☐ C. Harjinder Kaur
 - ☐ D. Abhinob Gogoi

Q.85 As part of India's Gaganyaan human spaceflight programme, which organisation conducted crew module recovery trials in the Bay of Bengal in 2026?

- Ans**
- ☒ A. Indian Space Research Organisation (ISRO)
 - ☐ B. Indian National Centre for Ocean Information Services (INCOIS)
 - ☐ C. Hindustan Aeronautics Limited (HAL)
 - ☐ D. Defence Research and Development Organisation (DRDO)

Q.86 Who had authored the book "Tides of Time: Bharat's History through Murals in Parliament" unveiled by Vice President C. P. Radhakrishnan in 2026?

- Ans**
- ☐ A. Amish Tripathi
 - ☐ B. Shashi Tharoor
 - ☒ C. Sudha Murty
 - ☐ D. Devdutt Pattanaik

Q.87 Which theme was adopted for the World Governments Summit, 2026, that brought together governments, international organizations, thought leaders, and private sector leaders to identify innovative solutions for future challenges?

- Ans**
- ☒ A. Shaping Future Governments
 - ☐ B. Empowering Modern Governments
 - ☐ C. Strengthening Sustainable Governments
 - ☐ D. Reinventing Digital Governments

Q.88 Who had won the silver medal in women's singles at the Baoji China Masters Super 100 badminton event held at Baoji City Gymnasium in May 2026?

- Ans**
- ☐ A. Unnati Hooda
 - ☐ B. An Qi Yuan
 - ☐ C. Malvika Bansod
 - ☒ D. Shriyanshi Valishetty

Q.89 The Indian Computer Emergency Response Team (CERT-In) under the Ministry of Electronics and Information Technology had developed a comprehensive framework and guidelines for Space Cyber Security in collaboration with which organisation during the DefSat Conference & Expo 2026 held in New Delhi?

- Ans**
- ☐ A. Indian Space Research Organisation
 - ☐ B. NewSpace India Limited
 - ☐ C. Antrix Corporation Limited
 - ☒ D. Satcom Industry Association-India

Q.90 In which state was the 24th National Junior Athletics Federation Competition held from April 24 to 26, 2026?

- Ans**
- ☐ A. Gujarat
 - ☒ B. Karnataka
 - ☐ C. Maharashtra
 - ☐ D. Tamil Nadu

Q.91 As per the Union Budget 2025-26 announcement, in which state is a greenfield airport to be established?

- Ans**
- ☐ A. Rajasthan
 - ☐ B. Haryana
 - ☐ C. Odisha
 - ☒ D. Bihar

Q.92 The Market Access Support (MAS) Scheme, launched in December 2025, was introduced primarily to strengthen which area of economic activity?

- Ans**
- ☐ A. Provide urban housing subsidies for migrants
 - ☐ B. Increase agricultural procurement for farmers
 - ☐ C. Expand universal rural health insurance
 - ☒ D. Promote exports and support MSME exporters

Q.93 According to the Corruption Perceptions Index (CPI), 2025, published by Transparency International, what was India's rank among 182 countries?

- Ans**
- ☒ A. 91st
 - ☐ B. 96th
 - ☐ C. 102nd
 - ☐ D. 84th

Q.94 Where was Exercise Vayushakti-26 conducted in February 2026?

- Ans**
- ☒ A. Pokhran Field Firing Range, Jaisalmer
 - ☐ B. Kachchh, Gujarat
 - ☐ C. Leh, Ladakh
 - ☐ D. Srinagar, Jammu & Kashmir

Q.95 On May 11, 2026, the Government of India notified the rollout of the VB-G RAM G Act, 2025 from July 1, 2026. It replaced which earlier rural employment law?

- Ans**
- ☒ A. Mahatma Gandhi National Rural Employment Guarantee Act, 2005
 - ☐ B. Deendayal Antyodaya Yojana
 - ☐ C. Pradhan Mantri Gram Sadak Yojana
 - ☐ D. National Rural Livelihood Mission

Q.96 Who is the author of the book 'General Brasstacks: The Sundarji story' published in January 2026?

- Ans**
- ☐ A. Arjun Subramaniam
 - ☐ B. Shiv Kunal Verma
 - ☐ C. Srinath Raghavan
 - ☒ D. Probal Dasgupta

Q.97 Which institution was honored with the Subhash Chandra Bose Aapda Prabandhan Puraskar 2026 in the Institutional Category for exceptional work in disaster management?

- Ans**
- ☐ A. Indian Red Cross Society
 - ☐ B. National Disaster Response Force
 - ☐ C. National Institute of Disaster Management
 - ☒ D. Sikkim State Disaster Management Authority

Q.98 Which landmark achievement in hypersonic technology did the Defence Research and Development Organisation (DRDO) announce in May 2026?

- Ans**
- ☒ A. The successful long-duration ground test of an actively cooled scramjet combustor
 - ☐ B. The induction of a hypersonic variant of the BrahMos missile
 - ☐ C. The signing of a technology transfer deal with the US for hypersonic engines
 - ☐ D. The launch of the first operational hypersonic cruise missile

Q.99 India renewed the Memorandum of Understanding on Environmental Cooperation in March 2026 for collaboration on pollution control, waste management, circular economy, and climate action with which country?

- Ans**
- ☐ A. Sweden
 - ☒ B. Finland
 - ☐ C. Norway
 - ☐ D. Denmark

Q.100 According to the Global Terrorism Index 2026 published by the Institute for Economics and Peace (IEP), which country had ranked first following a rise in terrorism-related fatalities?

- Ans**
- ☐ A. Iraq
 - ☒ B. Pakistan
 - ☐ C. India
 - ☐ D. Afghanistan



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Parthivi College Digital Zone
Test Date	14/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A ray passing through the principal focus of a concave mirror will, after reflection:

- Ans**
- ✓ A. emerge parallel to the principal axis
 - ✗ B. diverge away from the mirror
 - ✗ C. converge at the pole
 - ✗ D. reflect back through the centre of curvature

Q.2 Consider the following statements and select the correct option.

Statement 1: Food chains in an ecosystem are interlinked to form a food web.

Statement 2: Food webs show the interdependence of organisms.

- Ans**
- ✗ A. Both statements are false
 - ✗ B. Statement 1 is true and Statement 2 is false
 - ✓ C. Both statements are true
 - ✗ D. Statement 1 is false and Statement 2 is true

Q.3 During the electrolytic refining of copper, which of the following correctly matches the components and their roles?

Component	Role in Refining Process
A. Pure Copper	i. Anode
B. Impure Copper	ii. Cathode
C. Acidified Copper Sulphate	iii. Electrolyte

- Ans**
- ✗ A. A - ii, B - iii, C - i
 - ✗ B. A - iii, B - i, C - ii
 - ✗ C. A - i, B - ii, C - iii
 - ✓ D. A - ii, B - i, C - iii

Q.4 Which pair of compounds will show different chemical properties despite having the same molecular formula?

- Ans**
- ✗ A. Ethane and ethene
 - ✓ B. Butane and isobutane
 - ✗ C. Ethanol and ethanoic acid
 - ✗ D. Propanol and methanol

Q.5 Which of the following best describes the power of accommodation of the human eye?

- Ans**
- ☐ A. The movement of the eyeball to follow moving objects
 - ☐ B. The adjustment of eyelid position for better vision
 - ☐ C. The ability of the pupil to change size with light intensity
 - ☒ D. The ability of the eye lens to change its focal length to focus on objects at different distances

Q.6 Suppose a household replaces all 5 A sockets with 15 A sockets and connects multiple high-power appliances to each. What potential risk does this introduce, and why?

- Ans**
- ☐ A. It ensures that all appliances will work at lower voltage
 - ☐ B. It prevents the fuse from operating under any circumstances
 - ☒ C. It increases the risk of overloading and possible short-circuit due to excessive current
 - ☐ D. It decreases the risk of electrical hazards in the house

Q.7 A conservation biologist is designing a strategy to protect the Nilgiri tahr, which is found only in a specific Indian region. Which approach would be most appropriate for its conservation, based on its classification?

- Ans**
- ☒ A. Focusing on its endemic habitat in the Western Ghats
 - ☐ B. Relocating species to other regions
 - ☐ C. Creating generic wildlife reserves
 - ☐ D. Prioritizing widespread species elsewhere

Q.8 Which of the following most accurately represents a heterogeneous mixture?

- Ans**
- ☒ A. Sand and water solution
 - ☐ B. Sodium chloride and water
 - ☐ C. Acetic acid and water solution
 - ☐ D. Sugar and water solution

Q.9 In Rutherford's α -particle scattering experiment, the conclusion that most of the atom is empty space was drawn because:

- Ans**
- ☒ A. Only a few α -particles showed deflection
 - ☐ B. Electrons in atoms were electrically neutral
 - ☐ C. Gold atoms were chemically unstable
 - ☐ D. Most α -particles were absorbed by the foil

Q.10 A traffic surveillance camera uses a convex mirror with a radius of curvature of 2 m. Where will the image of a car located 3 m from the mirror appear?

- Ans**
- ☐ A. 0.12 m in front of the mirror
 - ☐ B. 3 m in front of the mirror
 - ☐ C. 3 m behind the mirror
 - ☒ D. 0.75 m behind the mirror

Q.11 Which of the following structures in throat is responsible for the prevention of collapse of air-passage in human beings?

- Ans**
- ☐ A. Pharynx
 - ☐ B. Larynx
 - ☐ C. Oesophagus
 - ☒ D. Rings of cartilage

Q.12 In a bacterial cell, the genetic material is found without a surrounding membrane in a region called the _____.

- Ans**
- ☐ A. Vacuole
 - ☐ B. Cytoplasm
 - ☐ C. Nucleolus
 - ☒ D. Nucleoid

Q.13 A trolley is pulled along a straight track by a constant force of 40 N. If the work done on the trolley is 240 J, what distance does the trolley travel?

- Ans**
- ☐ A. 2 m
 - ☐ B. 12 m
 - ☒ C. 6 m
 - ☐ D. 4 m

Q.14 The IUPAC name for the compound $\text{CH}_3\text{-C}(\text{CH}_3)_2\text{-CH}_2\text{-CH}_3$ is:

- Ans**
- ☐ A. 3,3-Dimethylbutane
 - ☐ B. 2,3-Dimethylbutane
 - ☒ C. 2,2-Dimethylbutane
 - ☐ D. 1,2-Dimethylbutane

Q.15 If a force of 1 N displaces an object by 1 m along the line of force, the work done is:

- Ans**
- ☒ A. 1 J
 - ☐ B. 10 J
 - ☐ C. 0.1 J
 - ☐ D. 0.5 J

Q.16 When interpreting a velocity-time graph, what physical quantity is represented by the area under the graph during a specific time interval?

- Ans**
- ☒ A. Distance (or displacement) travelled
 - ☐ B. Speed of the car
 - ☐ C. Change in velocity
 - ☐ D. Acceleration of the car

Q.17 What is the main function of saliva in the mouth during digestion?

- Ans**
- ☐ A. It transports food to the stomach
 - ☐ B. It absorbs nutrients
 - ☐ C. It kills all bacteria
 - ☒ D. It breaks down starch into simple sugar

Q.18 When carbon dioxide gas is passed through lime water (calcium hydroxide solution), it produces a white precipitate which is of:

- Ans**
- ☐ A. calcium hydrogen carbonate
 - ☒ B. calcium carbonate
 - ☐ C. calcium sulphate
 - ☐ D. calcium oxide

Q.19 A student places a compass near a straight, current-carrying conductor and observes the needle deflect. What does this observation indicate about the region around the conductor?

- Ans**
- ☐ A. An electric field is generated around the conductor
 - ☐ B. The region becomes gravitationally active
 - ☒ C. There is a magnetic field present around the conductor
 - ☐ D. Heat is produced around the conductor

Q.20 A velocity-time graph for a body moving with uniform acceleration is a straight line that slopes upwards. What does the area under this line between two time points represent?

- Ans**
- ☒ A. The average velocity during that time interval
 - ☒ B. The total change in velocity during that time interval
 - ☒ C. The displacement of the body during that time interval
 - ☒ D. The acceleration of the body during that time interval

Q.21 A researcher needs to deliver a drug directly to the cells of an organ for rapid effect. Which blood vessel should the delivery target for optimal diffusion to surrounding cells?

- Ans**
- ☒ A. Veins because they collect blood
 - ☒ B. Arteries due to thick elastic walls
 - ☒ C. Veins due to presence of valves
 - ☒ D. Capillaries because of their one-cell thick walls

Q.22 What primary factor determines whether one element can displace another from its compound?

- Ans**
- ☒ A. Difference in atomic masses
 - ☒ B. Relative reactivity of the elements involved
 - ☒ C. Difference in physical state
 - ☒ D. Difference in solution concentration

Q.23 Among the following, what has a molecular mass of 44 u?

- Ans**
- ☒ A. CO_2
 - ☒ B. NH_3
 - ☒ C. H_2O
 - ☒ D. N_2

Q.24 If a researcher finds that a plant cell is neither swelling nor shrinking in a specific solution, they can conclude the solution is ____.

- Ans**
- ☒ A. Isotonic
 - ☒ B. Hypotonic
 - ☒ C. Concentrated
 - ☒ D. Pure water

Q.25 All of the following are ways to restore Earth's natural systems EXCEPT, _____.

- Ans**
- ☒ A. Save water and recycle waste
 - ☒ B. Plant trees and practice sustainable farming
 - ☒ C. Increase fossil fuel use
 - ☒ D. Use solar and wind energy

Section : Mathematics

Q.26 What is the value of $(9x + 2y)$, if mean of the following distribution is 64?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	8	20	x	6	y	80

- Ans**
- ☒ A. 106
 - ☒ B. 94
 - ☒ C. 113
 - ☒ D. 99

Q.27 Weight of Manoj is $\frac{5}{7}$ times of weight of Sanju. By what fraction weight of Manoj?

- Ans
- ☒ A. $\frac{2}{7}$
 - ☒ B. $\frac{2}{5}$
 - ☒ C. $\frac{7}{5}$
 - ☒ D. $\frac{3}{7}$

Q.28 If $\cos A = \frac{9}{41}$, A is an acute angle, then find the value of $\operatorname{cosec} A \cos A$

- Ans
- ☒ A. $4\frac{241}{360}$
 - ☒ B. $2\frac{131}{180}$
 - ☒ C. $3\frac{119}{180}$
 - ☒ D. $5\frac{317}{360}$

Q.29 A cylindrical tank of radius 2 m and height 7 m is completely filled with water. After 10% of the water leaks out, in a larger tank the remaining water is mixed with milk in the ratio 4 : 1. How many litres of milk is added to the water in the larger tank? (Use $\pi = 22/7$)

- Ans
- ☒ A. 17800
 - ☒ B. 18400
 - ☒ C. 19400
 - ☒ D. 19800

Q.30 The weights assigned to four subjects are 2, 3, 4 and 1, respectively. A student scores 60, 70, 80 and 90 in these subjects. What is the weighted mean of the marks?

- Ans
- ☒ A. 68
 - ☒ B. 64
 - ☒ C. 74
 - ☒ D. 78

Q.31 Find the value of $\frac{\sqrt{264} \times \sqrt{330} \times \sqrt{1125}}{\sqrt{1296} \times \sqrt{400}}$.

- Ans
- ☒ A. $\frac{89}{6}$
 - ☒ B. $\frac{38}{3}$
 - ☒ C. $\frac{55}{4}$
 - ☒ D. $\frac{11}{2}$

Q.32 In a local club election, the two candidates received votes in the ratio 7 : 5. If the total number of votes cast was 360, how many votes did the winning candidate receive?

- Ans**
- ☐ A. 200
 - ☒ B. 210
 - ☐ C. 180
 - ☐ D. 240

Q.33 What is the value of $[(1 + \cot^2 A) + (1 + \frac{1}{\cot^2 A})] \times \sin^2 A \cos^2 A$?

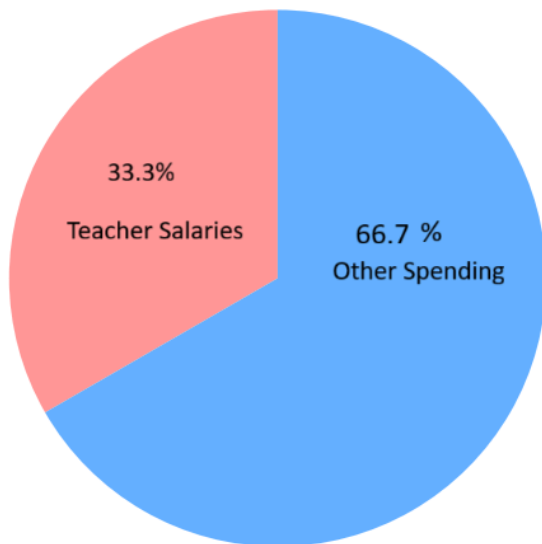
- Ans**
- ☐ A. 3
 - ☐ B. 5
 - ☐ C. 4
 - ☒ D. 1

Q.34 A bus leaves City A at 7:00 a.m. and travels at 48 km/h. At 10:00 a.m., the driver stops for a 30-minute break. Then he continues at 60 km/h. Find the time he reaches City B, which is 300 km from City A.

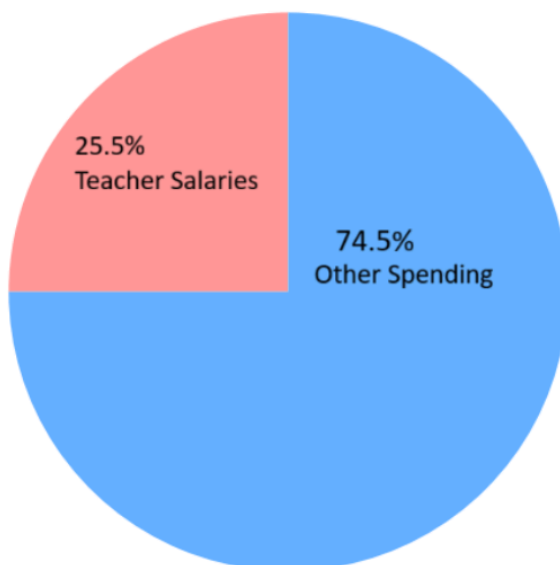
- Ans**
- ☒ A. 1:06 pm
 - ☐ B. 1:30 pm
 - ☐ C. 1:10 pm
 - ☐ D. 12:56 pm

- Q.35** As the multiple pie charts below depict, School A spends 33.3% of its budget on teacher salaries while School B spends 25.5% of its budget on the same. If both have equal total budgets of ₹36,00,000, how much more (in ₹) does School A spend on salaries than School B?

School A Budget



School B Budget



- Ans** ☒ A. 4,00,000
☒ B. 2,80,800
☒ C. 2,00,000
☒ D. 5,00,000

- Q.36** A man covered a total distance of 800 km on motor bike. For the first 12 hours, the speed was 50 km/hr and for the rest of the journey, it came down to 25 km/hr. The average speed (in km/hr) was:

- Ans** ☒ A. 36
☒ B. 42
☒ C. 40
☒ D. 48

Q.37 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 84% and 97%, shop II allows successive discounts of 42% and 94%, shop III allows successive discounts of 50% and 85% and shop IV allows successive discounts of 89%, 37% and 82% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. I
☐ B. IV
☐ C. III
☐ D. II

Q.38 A student scores 80 on an assignment that carries a weight of 40%, and 70 on a project that carries a weight of 60%. What is the weighted average score?

- Ans** ☐ A. 72
☐ B. 70
☐ C. 80
☒ D. 74

Q.39 A bank offers 6.8% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹3,485 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is: (round off to two decimal places)

- Ans** ☐ A. ₹376.50
☐ B. ₹352.50
☒ C. ₹359.50
☐ D. ₹348.50

Q.40 The income of Raman 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 ₹4,133
☐ B. increase by ₹4,131
☐ C. decrease by ₹4,133
☒ D. decrease by ₹4,128

Q.41 A sum of ₹5,000 is invested for 2 years at 8% per annum. Find the difference between the compound interest and the simple interest (in ₹), if the interest is compounded annually.

- Ans** ☐ A. ₹50
☒ B. ₹32
☐ C. ₹20
☐ D. ₹80

Q.42 Two chords AB and CD of a circle whose centre is O, meet at the point E. If angle AOC = 54° and angle BOD = 48°, then the value of angle BED is:

- Ans** ☐ A. 50°
☐ B. 53°
☒ C. 51°
☐ D. 52°

Q.43 Arvind bought an article for ₹x. He sold it to Biru at a loss of 26%. Biru spent ₹102 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,374, then what is the value of x?

- Ans** ☒ A. 1,100
☐ B. 1,120
☐ C. 1,060
☐ D. 1,080

Q.44 What is the mean proportional between $3 + \sqrt{2}$ and $12 - \sqrt{32}$?

- Ans
- ☐ A. $3\sqrt{7}$
 - ☐ B. $3\sqrt{6}$
 - ☒ C. $2\sqrt{7}$
 - ☐ D. $2\sqrt{6}$

Q.45 Simplify the following expression:

$$(2a + 3b + 4c)^2 + (2a - 3b - 4c)^2 - 8a^2 - 18b^2 - 32c^2$$

- Ans
- ☐ A. $12bc$
 - ☐ B. $24ab$
 - ☐ C. $16ac$
 - ☒ D. $48bc$

Q.46 Given that $116^{0.26} = x$, $116^{0.1} = y$ and $x^z = y^4$, then the value of z is close to:

- Ans
- ☐ A. 3.39
 - ☐ B. 2.42
 - ☐ C. 0.58
 - ☒ D. 1.54

Q.47 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 6% per month in 10 months.

- Ans
- ☐ A. 120
 - ☐ B. 60
 - ☐ C. 80
 - ☒ D. 720

Q.48 The total surface area of a cube having side 65 cm is:

- Ans
- ☐ A. 25332 cm^2
 - ☒ B. 25350 cm^2
 - ☐ C. 25386 cm^2
 - ☐ D. 25320 cm^2

Q.49 Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 28 hours and pipe C can fill the same tank in 21 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

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

Q.50 Evaluate: $16 - 5 \times 3 + 19$

- Ans
- ☒ A. 20
 - ☐ B. 19
 - ☐ C. 18
 - ☐ D. 22

Q.51 B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.
Only two people sit between B and T when counted from the left of T. E sits third to the left of W. P sits to the immediate right of W. P sits second to the left of B. S is not an immediate neighbor of E. How many people sit between D and W when counted from the right of D?

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

Q.52 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 1 T 5 # 6 % G F 4 & J @ S R 7 ! N * Q H \$ (Right)

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

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

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) 7 1 5 9 2 7 6 5 8 2 3 2 5 9 7 8 6 4 2 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 odd digit?

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

Q.54 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among five sticks, V, H, Y, D and N each having a different height, which stick is the tallest?

(I) Y is shorter than N.
(II) D is taller than N.

- Ans** ☐ A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
☐ B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☐ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
☒ D. Both statements I and II together are NOT sufficient to answer the question

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

SHR APZ IXH QFP ?

- Ans** ☐ A. NYX
☐ B. NXY
☐ C. YNI
☒ D. YNX

Q.56 Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. There are exactly five people between P and T. W sits immediately to the left of T. There is exactly one person between W and Q. S sits somewhere to the left of U but to the right of V. Based on the given information, who is sitting third from the left end of the line?

- Ans** ☒ A. S
☐ B. Q
☐ C. W
☐ D. P

Q.57 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' and
A @ B means 'A is the father of B'.

How is M related to K if 'M % E # W - P @ K'?

- Ans** ☐ A. Son
☐ B. Father
☐ C. Husband
☒ D. Brother

Q.58 Each vowel in the word MAGNIFIERS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans** ☐ A. F
☒ B. J
☐ C. L
☐ D. D

Q.59 57 is related to 173 following a certain logic. Following the same logic, 65 is related to 197. To which of the given options is 49 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 136
☒ B. 149
☐ C. 175
☐ D. 122

Q.60 In a certain code language, 'learn from mistakes' is coded as 'wg ht kc' and 'mistakes shape us' is coded as 'aq sn ht'. How is 'mistakes' coded in the given language? (All codes are two-letter codes.)

- Ans** ☐ A. kc
☐ B. aq
☐ C. wg
☒ D. ht

Q.61 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Amu, Bari, Cona, Dinu and Ess are sitting around a circular table, facing the centre. Who sits to the immediate right of Cona?

(I) Amu sits second to the right of Bari. Cona sits second to the left of Bari.

(II) Dinu sits second to the right of Ess. Amu sits to the immediate right of Dinu.

Ans ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

☐ B. Data in statement I alone is sufficient to answer the question while data in statement II is not.

☐ C. Data in statement II alone is sufficient to answer the question while data in statement I is not.

☐ D. Data in statements I and II together are NOT sufficient to answer the question.

Q.62 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.

BUNK - BKNU - KNUB

POUR - PRUO - RUOP

Ans ☐ A. VENT - VETN - ENTV

☐ B. MONK - OMNK - KONM

☐ C. RING - RNIG - GNIR

☒ D. DEAR - DRAE - RAED

Q.63 A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

S lives on floor number 5. G lives on a floor above S. Only Y lives below H. P lives on an even-numbered floor.

How many people live below A?

Ans ☐ A. Four

☐ B. Three

☒ C. Two

☐ D. One

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 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. ZDC

☐ B. WAZ

☒ C. E JH

☐ D. XBA

Q.65 QP 5 is related to TL -6 in a certain way. In the same way, HG 9 is related to KC -2. To which of the following is LK 19 related, following the same logic?

Ans ☐ A. JI 5

☒ B. OG 8

☐ C. FT 6

☐ D. DG 7

Q.66 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 5891632, what will be the difference between the greatest and smallest digits in the number thus formed?

- Ans** ☒ A. 5
☒ B. 9
☒ C. 7
☒ D. 8

Q.67 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among five sticks, V, H, Y, D and N each having a different height, which stick is the tallest?

(I) H is shorter than V but taller than Y.

(II) D is taller than N.

- Ans** ☒ A. Both statements I and II together are NOT sufficient to answer the question
☒ B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☒ C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

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. IK - NQ
☒ B. QS - VX
☒ C. EG - JL
☒ D. MO - RT

Q.69 The question is based on the following words.

(Left) EYE, SAT, EAR, CAT (Right)

How many letters in the English alphabetical order are there between the third letter of the third word from the right and the second letter of the first word from the left?

- Ans** ☒ A. Four
☒ B. Six
☒ C. Five
☒ D. Three

Q.70 Each of the digits in the number 6743219 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. 10
☒ B. 8
☒ C. 11
☒ D. 9

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) 6 3 7 1 2 3 8 6 4 2 9 7 1 3 8 5 3 2 1 9 6 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 even digit?

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

Q.72 All 54 people are standing in a row facing North. Aruna is 18th from the left end while Tripti is 17th from the right end. How many people are there between Aruna and Tripti?

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

Q.73 The question is based on the given words.

(Left) TOFU, BOTH, FARE, SANE, ZERO (Right)

How many letters in the English alphabetical order are there between the fourth letter of the first word from the left and the first letter of the first word from the right?

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

Q.74 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

80 D 10 C 3 A 12 B 7 = ?

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

Q.75 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

GOT : # :: % : SFM

- Ans** ☐ A. # = JPW, % = PCJ
☐ B. # = KPS, % = PGJ
☐ C. # = GRW, % = PGJ
☒ D. # = JRW, % = PCJ

Q.76 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only Q is kept above I. Only R is kept between J and K. Only S is kept below J. How many boxes are kept between R and Q?

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

Q.77 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'.

How is Cori related to Marsha if 'Cori @ Ashley \$ Shana % Jess # Marsha'?

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

Q.78 33 is related to 136 following a certain logic. Following the same logic, 28 is related to 116. To which of the given options is 18 related, following the same logic?

(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.)

- Ans**
- ☒ A. 76
 - ☐ B. 74
 - ☐ C. 77
 - ☐ D. 84

Q.79 What should come in place of '?' in the given series?
7 21 43 73 111 ?

- Ans**
- ☒ A. 157
 - ☐ B. 163
 - ☐ C. 151
 - ☐ D. 153

Q.80 Each letter in the word YANKING is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one which is fourth from the right in the new letter cluster thus formed?

- Ans**
- ☐ A. 12
 - ☐ B. 13
 - ☐ C. 11
 - ☒ D. 9

Q.81 Which organization launched the Young Scientists Programme, YUVIKA-2026, to nurture scientific curiosity among young students in India?

- Ans**
- ☐ A. National Council of Educational Research and Training
 - ☒ B. Indian Space Research Organisation
 - ☐ C. Ministry of Education
 - ☐ D. Council of Scientific and Industrial Research

Q.82 Under the modified interest subvention scheme, what is the new credit limit for loans taken through Kisan Credit Cards as per Budget 2025?

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

Q.83 In February 2026, Union Minister of Minority Affairs Kiren Rijiju launched the NIGRANI App under which scheme to help bridge infrastructural gaps across India?

- Ans**
- ☐ A. Pradhan Mantri Gram Sadak Yojana
 - ☐ B. Prime Minister Employment Generation Programme
 - ☒ C. Pradhan Mantri Jan Vikas Karyakram
 - ☐ D. National Urban Livelihoods Mission

Q.84 In the West Bengal Legislative Assembly elections of April–May 2026, which political party secured its first-ever victory in terms of winning Assembly representation in the state?

- Ans**
- ☐ A. Indian National Congress
 - ☒ B. Bharatiya Janata Party
 - ☐ C. Left Front
 - ☐ D. Trinamool Congress

Q.85 In May 2026, Indian sprinting witnessed a historic moment at the Federation Cup in Ranchi. Who became the first Indian man to break the 10.10-second barrier in the 100m?

- Ans**
- ☐ A. Vishal TK
 - ☐ B. Yashas P
 - ☒ C. Gurindervir Singh
 - ☐ D. Animesh Kujur

Q.86 As per the announcement by the Union Finance Minister of India, how many Day Care Cancer Centres will the Government set up in district hospitals in 2025–26?

- Ans**
- ☐ A. 500
 - ☐ B. 300
 - ☐ C. 400
 - ☒ D. 200

Q.87 The second edition of the International Conference on Spacecraft Mission Operations (SMOPS-2026), organised with the participation of ISRO and international space organisations, had been held in which Indian city?

- Ans**
- ☒ A. Bengaluru
 - ☐ B. Hyderabad
 - ☐ C. Pune
 - ☐ D. Chennai

Q.88 The Jan Vishwas (Amendment of Provisions) Bill, 2026, builds upon the Jan Vishwas Act, 2023, by promoting which major shift in India's regulatory enforcement framework?

- Ans**
- ☒ A. Expanding preventive detention for economic offences
 - ☒ B. Decriminalising minor offences to improve ease of doing business
 - ☒ C. Replacing civil penalties with mandatory imprisonment
 - ☒ D. Centralising all regulatory powers under the Union Government

Q.89 What achievement is associated with Siddhant Bhanthia in recent Indian sports news of May month of 2026?

- Ans**
- ☒ A. Claiming a doubles tennis title with Alexander Donski
 - ☒ B. Winning a national badminton championship
 - ☒ C. Captaining the Indian cricket team in a series win
 - ☒ D. Receiving the Arjuna Award for excellence

Q.90 On 3 January 2026, the US military conducted "Operation Resolve" — a surprise raid on which country's capital to capture its president, who was then flown to New York to face narco-terrorism charges?

- Ans**
- ☒ A. Venezuela
 - ☒ B. Colombia
 - ☒ C. Cuba
 - ☒ D. Bolivia

Q.91 Which organisation had signed a Memorandum of Understanding with ISRO Telemetry, Tracking and Command Network (ISTRAC) in May 2026 for technological advancement in deep space missions and development of indigenous high power systems?

- Ans**
- ☒ A. Scientific Association for Microwave Electronics and Radar
 - ☒ B. Society for Applied Microwave Electronics Engineering and Research
 - ☒ C. Space Applications for Microwave Engineering and Research
 - ☒ D. Semiconductor Applications and Microwave Engineering Research

Q.92 Which multilateral naval exercise did the Indian Navy host off the coast of Visakhapatnam in February 2026, involving 42 ships and 29 aircraft?

- Ans**
- ☒ A. Malabar
 - ☒ B. Varuna
 - ☒ C. Konkan
 - ☒ D. MILAN

Q.93 Which prominent tribal icon and former three-time chief minister of Jharkhand was officially conferred with the Padma Bhushan award posthumously in 2026?

- Ans**
- ☒ A. Shri Madhu Koda
 - ☒ B. Shri Babulal Marandi
 - ☒ C. Shri Shibu Soren
 - ☒ D. Shri Arjun Munda

Q.94 Which Indian body hosted the 68th Session of the Governing Body Meeting of the Asian Productivity Organization in May 2026?

- Ans**
- ☒ A. National Productivity Council
 - ☒ B. All India Business & Community Foundation
 - ☒ C. NITI Aayog
 - ☒ D. Ministry of External Affairs

Q.95 Which week-long governance and capacity-building initiative, observed from 2-8 April 2026 to mark the Foundation Day of the Capacity Building Commission and five years of Mission Karmayogi, included an interactive session on Indian Knowledge Systems (IKS) organised by the Department of Higher Education?

- Ans**
- ☒ A. Sadhana Saptah 2026
 - ☐ B. Karmayogi Governance Week 2026
 - ☐ C. Viksit Bharat Saptah 2026
 - ☐ D. National Education Advancement Week 2026

Q.96 At the 2026 World Athletics Indoor Championships in Toruń, Poland, which athlete broke the men's indoor heptathlon world record, surpassing a mark that had stood since the 2012 Istanbul Championships?

- Ans**
- ☐ A. Damian Warner
 - ☒ B. Simon Ehammer
 - ☐ C. Niklas Kaul
 - ☐ D. Kevin Mayer

Q.97 The Asian Weightlifting Championships 2026, in which India won 10 medals, had been held in which city?

- Ans**
- ☐ A. Birmingham
 - ☐ B. Pune
 - ☐ C. Jiangshan
 - ☒ D. Gandhinagar

Q.98 Which National Park was in the news in 2026 after nine cheetahs from Botswana were released into quarantine enclosures under Project Cheetah?

- Ans**
- ☐ A. Kaziranga National Park, Assam
 - ☐ B. Gir National Park, Gujarat
 - ☐ C. Hemis National Park, Ladakh
 - ☒ D. Kuno National Park, Madhya Pradesh

Q.99 What had been the theme of the International Conference on Carbon Markets-Prakriti 2026 organised by the Bureau of Energy Efficiency under the Ministry of Power and Ministry of Environment, Forest and Climate Change in New Delhi?

- Ans**
- ☐ A. Building Climate Resilience through Clean Energy Innovation and Finance
 - ☒ B. Unlocking Carbon Finance for NDC Implementation through Global Partnerships and Digital Pathways
 - ☐ C. Promoting Green Technology for Net Zero and Energy Security
 - ☐ D. Accelerating Renewable Energy for Sustainable Industrial Transformation

Q.100 In November 2025, ICMR licensed indigenous diagnostic tools for the rapid detection of vector-borne diseases. Which technology primarily enables this single-tube simultaneous detection of Dengue, Chikungunya, and Zika?

- Ans**
- ☒ A. Single-tube Multiplex Real-Time RT-PCR Method
 - ☐ B. AI-Enabled Dengue Sentinel Platform
 - ☐ C. CRISPR-Cas9 Based Fever-Scan Tool
 - ☐ D. Portable RT-PCR device



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	SANGWAN ACADEMY
Test Date	14/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 During rehabilitation, a patient with vertebral damage has impaired organ coordination. Which vertebrate feature underlies this complication?

- Ans** ☒ A. Complex organ system integration
☒ B. Protective single-layered skin
☒ C. Basic independent cell clusters
☒ D. Simple external limb appendages

Q.2 Which situation demonstrates the correct application of the force formula?

- Ans** ☒ A. A 4 kg object accelerates at 3 m/s squared and a force of 20 N is applied
☒ B. A 5 kg object accelerates at 2 m/s squared and a force of 10 N is applied
☒ C. A 10 kg object accelerates at 1 m/s squared and a force of 5 N is applied
☒ D. A 2 kg object accelerates at 5 m/s squared and a force of 15 N is applied

Q.3 Which statement about power is correct?

- Ans** ☒ A. Power depends only on force.
☒ B. Power and work have the same SI unit.
☒ C. Power is independent of time.
☒ D. Power measures how quickly work is done.

Q.4 Methyl orange turns red in:

- Ans** ☒ A. Both acid and base
☒ B. Neutral solution
☒ C. Acid only
☒ D. Base only

Q.5 If two sounds have the same frequency but different amplitudes, what will be different?

- Ans** ☒ A. Their direction will be different
☒ B. Their pitch will be different
☒ C. Their speed will be different
☒ D. Their loudness will be different

Q.6 Why does white light split into different colours when passing through a prism but not when passing through a glass slab?

- Ans**
- ☐ A. Because a prism is transparent
 - ☐ B. Because a prism is made of a different material
 - ☒ C. Because a prism has non-parallel sides
 - ☐ D. Because a prism is thinner than a slab

Q.7 A rescue team uses a long steel rod as a lever to lift a heavy concrete slab. To minimize the force required, where should the fulcrum be positioned?

- Ans**
- ☐ A. Away from both the slab and the effort
 - ☐ B. Exactly halfway between the slab and the effort
 - ☒ C. Near the slab being lifted
 - ☐ D. Near the point where the force is applied

Q.8 Why cannot pesticide residues always be removed from food by washing?

- Ans**
- ☐ A. Because they are present only on the surface
 - ☒ B. Because they are accumulated within the tissues
 - ☐ C. Because they evaporate easily
 - ☐ D. Because they dissolve in water

Q.9 Which statement explains why covalent compounds generally have low melting points?

- Ans**
- ☐ A. Metallic bonding
 - ☒ B. Weak intermolecular forces
 - ☐ C. Strong ionic attractions
 - ☐ D. Free electrons

Q.10 Why is composting considered environmentally beneficial?

- Ans**
- ☐ A. It increases non-biodegradable waste
 - ☐ B. It releases toxic gases
 - ☒ C. It converts organic waste into useful manure
 - ☐ D. It generates biodegradable waste

Q.11 A velocity-time graph for a car moving with uniform velocity starts at $t=0$ s and ends at $t=10$ s, always at 5 m/s. What is the shape of the graph?

- Ans**
- ☐ A. A straight line rising from 0 to 5 m/s
 - ☐ B. A curve rising above 5 m/s
 - ☒ C. A straight horizontal line at 5 m/s
 - ☐ D. A straight line falling from 5 to 0 m/s

Q.12 Which of the following best represents the characteristic properties of isotopes?

- Ans**
- ☐ A. Both the chemical and physical properties of isotopes are different.
 - ☐ B. The chemical properties of isotopes are different but their physical properties are similar.
 - ☒ C. The chemical properties of isotopes are similar, but their physical properties are different.
 - ☐ D. Both the chemical and physical properties of isotopes are similar.

Q.13 Which of the following statements correctly describes the behaviour of different metals when heated in air?

- Ans**
- ☐ A. Silver and gold burn in air and form thick oxide coatings
 - ☐ B. Iron and copper burn with a flame producing metal oxides
 - ☒ C. Potassium and sodium react so vigorously with oxygen that they catch fire
 - ☐ D. All metals burn in air with the same intensity and form metal oxides

Q.14 In a circuit, two resistors R_1 and R_2 are connected in parallel. If $R_1 = 4\ \Omega$ and $R_2 = 12\ \Omega$, and the total voltage across the parallel combination is 6V, what is the total current flowing in the circuit?

- Ans
- ☐ A. 1.5 A
 - ☐ B. 8 A
 - ☒ C. 2 A
 - ☐ D. 10 A

Q.15 Compounds that differ by a $-\text{CH}_2-$ unit belong to which type of chemical grouping?

- Ans
- ☐ A. Functional group
 - ☐ B. Ionic compound
 - ☐ C. Structural isomer
 - ☒ D. Homologous series

Q.16 Complete the analogy.

Hypotonic solution : Cell Swells :: Hypertonic solution : _____.

- Ans
- ☐ A. Cell stays same
 - ☒ B. Cell Shrinks
 - ☐ C. Cell Divides
 - ☐ D. Cell becomes rigid

Q.17 Two vascular plants: one produces seeds in cones, the other has seeds in fruits. Which statement accurately distinguishes these groups?

- Ans
- ☐ A. First is bryophyte, second is gymnosperm
 - ☒ B. First is gymnosperm, second is angiosperm
 - ☐ C. First is angiosperm, second is pteridophyte
 - ☐ D. First is pteridophyte, second is bryophyte

Q.18 Complete the analogy.

Dye in water : Diffusion :: Roots absorbing water : _____.

- Ans
- ☐ A. Filtration
 - ☐ B. Evaporation
 - ☒ C. Osmosis
 - ☐ D. Photosynthesis

Q.19 If a resistor is connected across a battery and used for a longer time period, which of the following will increase, assuming current and resistance remain constant?

- Ans
- ☐ A. The charge per unit time
 - ☐ B. The potential difference across the resistor
 - ☒ C. The total heat produced in the resistor
 - ☐ D. The resistance of the resistor

Q.20 Which part of a neuron receives information from the environment?

- Ans
- ☐ A. Nucleus
 - ☒ B. Dendrite
 - ☐ C. Synapse
 - ☐ D. Axon

Q.21 Which of the following statements is FALSE for a converging lens?

- Ans
- ☐ A. A converging lens can focus sunlight to form a sharp bright spot on paper.
 - ☐ B. The light from the Sun, before reaching the converging lens, consists of parallel rays.
 - ☐ C. The concentration of sunlight at a point due to the converging lens generates heat.
 - ☒ D. The bright spot formed on the paper by the converging lens is a virtual image of the Sun.

Q.22 Which of the following statements is true for homogeneous mixtures?

- Ans**
- ☒ A. The particles of a solution are smaller and cannot be seen with the naked eye.
 - ☐ B. They show the Tyndall effect.
 - ☐ C. The components of the mixture can be separated by filtration.
 - ☐ D. The solute particles settle down when it is left undisturbed.

Q.23 In animal cells, the breakdown of pyruvate using oxygen during aerobic respiration occurs in the ____.

- Ans**
- ☐ A. Cytoplasm
 - ☐ B. Nucleus
 - ☒ C. Mitochondria
 - ☐ D. Ribosome

Q.24 What is the main characteristic of a double displacement reaction?

- Ans**
- ☐ A. Combination of two elements
 - ☐ B. Removal of hydrogen from acid
 - ☐ C. Gain of oxygen by a substance
 - ☒ D. Exchange of ions between reactants

Q.25 Which of the following correctly describes a proton?

- Ans**
- ☐ A. Neutral particle
 - ☒ B. Positively charged particle
 - ☐ C. Negatively charged particle
 - ☐ D. Particle with no mass

Section : Mathematics

Q.26 The mean and the mode of a set of data are 50.7 and 66.9, respectively. Find the median of the data, using the empirical formula.

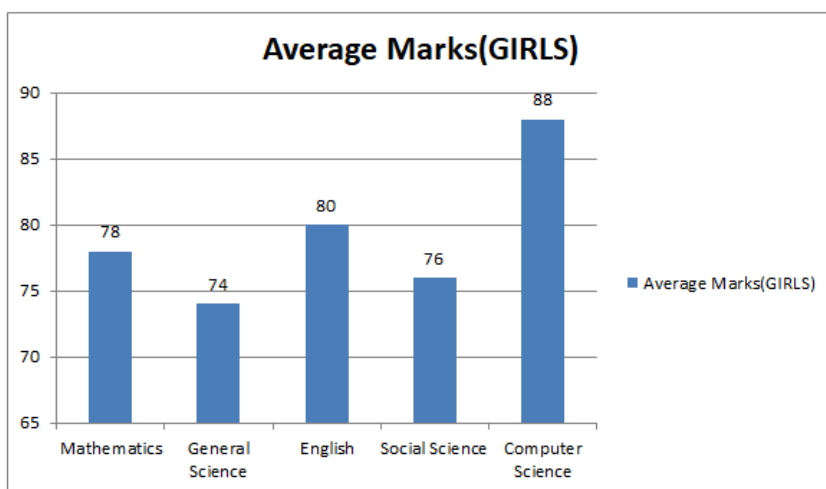
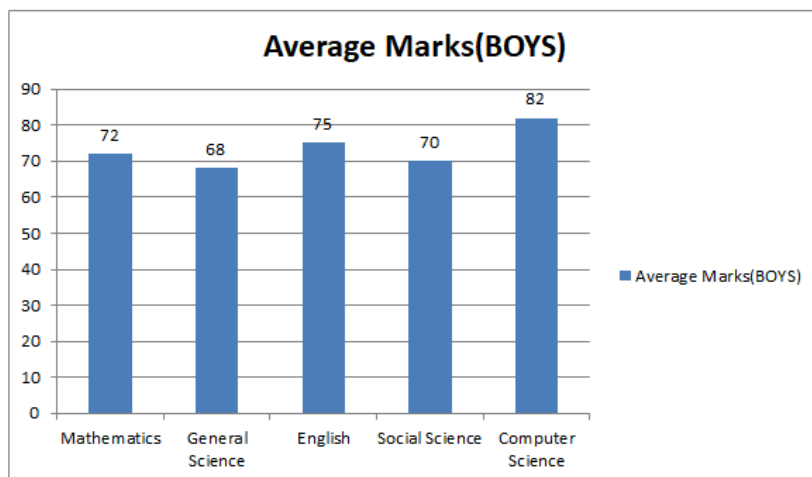
- Ans**
- ☐ A. 57.6
 - ☐ B. 56.7
 - ☒ C. 56.1
 - ☐ D. 56.3

Q.27 An insurance company obtained the following data for accident claims from a particular region. Obtain the median (in thousand rupees) from this data. (Round off to two decimal places)

Account of claim (in ₹ thousand)	Frequency
1-4	7
4-7	53
7-10	87
10-13	56
13-16	24
16-19	16
19-22	6
22-25	5

- Ans**
- ☐ A. 8.65
 - ☐ B. 4.21
 - ☐ C. 6.11
 - ☒ D. 9.31

Q.28 The following bar graphs show the average marks (out of 100) in five subjects obtained by Boys and Girls in Class 8 of a school.



Compute the difference between overall average score for Girls and Boys (to one decimal place).

- Ans**
- ☒ A. 5.4
 - ☒ B. 5.5
 - ☒ C. 5.8
 - ☒ D. 5.6

Q.29 In $\triangle ABC$, $DE \parallel AC$, where D and E are the points on sides AB and AC respectively and $AD = 14$ cm, then what is the ratio of the area of $\triangle BDE$ to that of $\triangle ABC$?

- Ans**
- ☒ A. 336 : 25
 - ☒ B. 19 : 12
 - ☒ C. 21 : 23
 - ☒ D. 25 : 336

Q.30 In an election between two candidates, 10% of the total votes were declared invalid, and all valid votes were cast in favour of either of the two candidates. If the winner secured 53% of the valid votes and won the election by 1,620 votes, find the total number of votes polled.

- Ans**
- ☐ A. 27,000
 - ☐ B. 28,000
 - ☐ C. 32,000
 - ☒ D. 30,000

Q.31 The cost of a washing machine is 44% less than the cost of a TV. If the cost of the washing machine increases by 78% and that of the TV decreases by 70%, then what is the percentage change in the total cost of 7 washing machines and 2 TVs?

- Ans**
- ☐ A. Decrease by 30%
 - ☐ B. Increase by 21%
 - ☐ C. Decrease by 34%
 - ☒ D. Increase by 28%

Q.32 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 73% and 16%, shop II allows successive discounts of 59% and 18%, shop III allows successive discounts of 49% and 66% and shop IV allows successive discounts of 84%, 67%, and 94% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☐ A. I
 - ☐ B. III
 - ☒ C. IV
 - ☐ D. II

Q.33 Kaushal travelled for 7 hours 31 minutes at the speed of 120 km/h. At what speed (in km/h) should he travel to cover the same distance in 22 hours?

- Ans**
- ☐ A. 38
 - ☐ B. 39
 - ☐ C. 43
 - ☒ D. 41

Q.34 A shopkeeper sells 21 chocolates for ₹1 and makes a profit of 100%. How many chocolates did he purchase for ₹1?

- Ans**
- ☒ A. 42
 - ☐ B. 43
 - ☐ C. 63
 - ☐ D. 69

Q.35 A cube has a total surface area of 294 cm^2 . A smaller cube is cut from one of its corners such that the edge of the smaller cube is one-third the edge of the original cube. Find the surface area of the remaining solid.

- Ans**
- ☐ A. 282 cm^2
 - ☐ B. 306 cm^2
 - ☐ C. 270 cm^2
 - ☒ D. 294 cm^2

Q.36 Find the simple interest (in ₹) if a sum of ₹600 is borrowed for 2.5 years at 12% per annum rate of interest.

- Ans ☐ A. 160
☐ B. 230
☒ C. 180
☐ D. 280

Q.37 16 typists working 8 hours a day can type 172 pages in 6 days. How many typists will be required to type 215 pages in 4 days if they work 6 hours a day?

- Ans ☐ A. 25
☐ B. 35
☒ C. 40
☐ D. 20

Q.38 If $\sec^2 \alpha = \frac{4ab}{(a+b)^2}$, then:

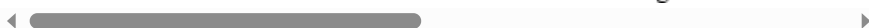
- Ans ☐ A. $a = \frac{1}{b}$
☐ B. $a = -\frac{1}{b}$
☒ C. $a = b$
☐ D. $a = -b$

Q.39 What is the value of the following expression?

$$\tan A \left[\frac{\sec A + \tan A}{\operatorname{cosec} A - \cot A} \right]$$

- Ans ☐ A. $\frac{1 - \cos A}{1 + \sin A}$
☒ B. $\frac{1 + \cos A}{1 - \sin A}$
☐ C. $\frac{1 - \sin A}{1 + \cos A}$
☐ D. $\frac{1 + \sin A}{1 - \cos A}$

Q.40 The area of four walls of a room is 336 m². The length of the room is



- Ans ☐ A. 150 m²
☒ B. 147 m²
☐ C. 143 m²
☐ D. 139 m²

Q.41 Anirudh travels 55 km at 11 km/h, 65 km at 13 km/h, and 120 km at 20 km/h. What is his average speed (in km/h)?

- Ans ☐ A. 14
☐ B. 16
☒ C. 15
☐ D. 18

Q.42 Jatin and Kiran start a business by investing ₹1,20,000 and ₹80,000, respectively. After 8 months, Jatin withdraws ₹20,000. If the total profit at the end of the year is ₹29,000, find Kiran's share of the profit.

- Ans**
- ☒ A. ₹18,000
 - ☒ B. ₹17,000
 - ☒ C. ₹12,000
 - ☒ D. ₹14,000

Q.43 A school wants to distribute 60 pencils and 75 erasers to students, such that all of them get an equal number of pencils and an equal number of erasers with no items left over. What is the maximum number of students who can receive this gift?

- Ans**
- ☒ A. 10
 - ☒ B. 5
 - ☒ C. 25
 - ☒ D. 15

Q.44 In a class, Bhanu can do a piece of homework in 4 days, Jaya can do this work in 12 days, and Mounica can do the same work in 8 days. Working together, how many days will they take to complete the work?

- Ans**
- ☒ A. $2\frac{9}{11}$
 - ☒ B. $2\frac{1}{11}$
 - ☒ C. $2\frac{5}{11}$
 - ☒ D. $2\frac{2}{11}$

Q.45 What is the least value that must be assigned to A so that the 8-digit number 796A6351 is divisible by 3?

- Ans**
- ☒ A. 5
 - ☒ B. 3
 - ☒ C. 1
 - ☒ D. 2

Q.46 A is 4 years older than B. After 5 years, the sum of their ages will be 50. Find B's present age.

- Ans**
- ☒ A. 18 years
 - ☒ B. 8 years
 - ☒ C. 26 years
 - ☒ D. 16 years

Q.47 Simplify the following:

$$\left(\frac{3^4 \times 3^{-2}}{3^{-1}}\right)^2 \div 3^5$$

- Ans**
- ☒ A. $\frac{1}{3}$
 - ☒ B. $\frac{2}{3}$
 - ☒ C. 1
 - ☒ D. 3

Q.48 A sum of ₹1,000 is invested for 2 years at 10% per annum compound interest, compounded annually. Find the compound interest earned at the end of 2 years (in ₹).

- Ans**
- ☐ A. 200
 - ☐ B. 220
 - ☐ C. 230
 - ☒ D. 210

Q.49 The average weight of all the students of a class is 36.5 kg. The average weight of all the boys in the class is 40 kg and that of all the girls is 32.3 kg. The ratio of the number of boys to the number of girls in the class is:

- Ans**
- ☐ A. 5 : 6
 - ☐ B. 5 : 7
 - ☒ C. 6 : 5
 - ☐ D. 7 : 5

Q.50 At what rate per cent per annum will a sum of money multiply itself by 46 times in 2 years, interest being compounded annually? (Give your answer correct to one decimal place)

- Ans**
- ☒ A. 578.2
 - ☐ B. 582.2
 - ☐ C. 570.4
 - ☐ D. 588.5

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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. BEG
 - ☐ B. KNP
 - ☐ C. RUW
 - ☒ D. HLN

Q.52 If 'T' stands for '+' and 'U' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$30 \text{ T } 20 \text{ U } 5 = ?$$

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

Q.53 Each vowel in the word CONVERT is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

- Ans**
- ☐ A. P
 - ☒ B. O
 - ☐ C. D
 - ☐ D. M

Q.54 A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only two people live between D and B. Only A lives above T. S lives on an even numbered floor. D lives on the lowermost floor. How many people live between C and A?

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

Q.55 Mr. Tosi starts from Point A and drives 18 km towards the East. He then takes a right turn, drives 13 km, turns right and drives 27 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-degree turns only unless specified.)

- Ans** ☐ A. 5 km to the North
☐ B. 9 km to the West
☐ C. 11 km to the East
☒ D. 10 km to the South

Q.56 Town X is to the west of Town Y. Town L is to the north of Town X. Town M is to the south of Town X. Town L is to the north-west of Town Y. Town A is to the east of Town Y. What is the position of Town L with respect to Town A?

- Ans** ☐ A. South
☐ B. North-east
☐ C. East
☒ D. North-west

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?

$$124 \text{ D } 48 \text{ C } 56 \text{ A } 4 \text{ B } 3 = ?$$

- Ans** ☐ A. 111
☒ B. 118
☐ C. 117
☐ D. 104

Q.58 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 4 5 2 5 1 6 5 3 5 2 3 2 9 4 9 4 6 8 5 5 8 5 6 3 5 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. 4
☐ B. 3
☐ C. 5
☐ D. 6

Q.59 29 is related to 206 following a certain logic. Following the same logic, 35 is related to 248. To which of the following is 44 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 388
☒ B. 311
☒ C. 366
☒ D. 354

Q.60 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the left?

- Ans** ☒ A. T
☒ B. R
☒ C. @
☒ D. &

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. YN - LL
☒ B. RW - UZ
☒ C. QV - TY
☒ D. OT - RW

Q.62 14 is related to 52 following a certain logic. Following the same logic, 18 is related to 68. To which of the given options is 13 related, following the same logic?

(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.)

- Ans** ☒ A. 46
☒ B. 48
☒ C. 52
☒ D. 50

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 – B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to P if 'M # E @ W % P – K'?

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

Q.64 The position(s) of how many letters will remain unchanged if each letter in the word BLUEPRINTS is arranged in the alphabetical order?

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

Q.65 Refer to the given letter and symbol series and answer the question that follows.

(Left) @ M + R % C @ L ? < K @ J & G % Q J = O € I @ M K & N (Right)

If all the letters are dropped from the series, then which of the following will be sixth from the right?

- Ans
- ☐ A. @
 - ☐ B. ?
 - ☒ C. &
 - ☐ D. #

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 apples are mangoes.

All apples are pens.

Conclusions:

(I) Some mangoes are pens.

(II) All pens are apples.

- 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.67 Seven boxes, G, H, I, B, C, D and E, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept below I. H is kept at some place below B. Only one box is kept above D. Only one box is kept between D and C. G is kept immediately above E. How many boxes are kept between B and G?

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

Q.68 A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. A lives on the topmost floor. Only three people live between A and C. T lives on a floor below C. S lives on an even numbered floor. B lives on an odd numbered floor but not on floor number 5. How many people live between D and C?

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

- Q.69** B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.
Only two people sit between E and B when counted from the right of E. Only two people sit between B and S. Only three people sit between E and W. D sits to the immediate left of T.
How many people sit between E and P when counted from the left of P?

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

- Q.70** HKCN is related to XASD in a certain way based on the English alphabetical order. In the same way, TWOZ is related to JMPE. To which of the following options is PSKV related, following the same logic?

Ans ☐ A. FAIL
☐ B. FLIO
☐ C. FEIO
☒ D. FIAL

- Q.71** 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'.

How is Shreya related to Kavita if 'Shreya # Fahaan @ Palak \$ Bhanu % Kavita'?

Ans ☐ A. Father's mother's brother
☐ B. Father's mother's father
☐ C. Mother's mother's father
☒ D. Mother's mother's brother

- Q.72** The following question is based on the given words.

(left) TRY MAT CAN JUG (right)

How many letters in the English alphabetical order are there between the second letter of the first word from the right and the third letter of the first word from the left?

Ans ☐ A. Four
☐ B. Five
☒ C. Three
☐ D. Two

- Q.73** Each of the digits in the number 8539264 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. None
☐ B. Two
☐ C. Three
☐ D. One

Q.74 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: LPY :: DWF : %

- Ans**
- ☒ A. # = MQZ , % = EVG
 - ☒ B. # = KQZ , % = CXE
 - ☒ C. # = KQX , % = EVG
 - ☒ D. # = MQX , % = CWE

Q.75 A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits second to the left of D. C is an immediate neighbour of F. B sits to the immediate right of F. A sits second to the left of E. What is the position of A with respect to F?

- Ans**
- ☒ A. Second to the left
 - ☒ B. Third to the left
 - ☒ C. Second to the right
 - ☒ D. Immediate right

Q.76 What should come in place of '?' in the given series?

1 2 6 24 120 ?

- Ans**
- ☒ A. 600
 - ☒ B. 720
 - ☒ C. 700
 - ☒ D. 800

Q.77 In a certain code language, 'SKIN' is coded as '2381' and 'DISK' is coded as '9823'. What is the code for 'D' in the given code language?

- Ans**
- ☒ A. 9
 - ☒ B. 1
 - ☒ C. 3
 - ☒ D. 2

Q.78 What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

END ISH MXL QCP ?

- Ans**
- ☒ A. VGU
 - ☒ B. TIS
 - ☒ C. THU
 - ☒ D. UHT

Q.79 The question is based on the given words.

(Left) EAR, KID, TOM, PAT (Right)

How many letters in the English alphabetical order are there between the third letter of the second word from the left and the third letter of the second word from the right?

- Ans**
- ☒ A. Six
 - ☒ B. Eight
 - ☒ C. Seven
 - ☒ D. Nine

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.

VYU-XAW

RUQ-TWS

- Ans** ☒ A. XAW-ZCY
 ☐ B. XZU-YBX
 ☐ C. XAW-YCX
 ☐ D. XZU-ZCY

Section : General Awareness and Current Affairs

Q.81 The Andhra Pradesh Reorganisation (Amendment) Bill, 2026, granted statutory recognition to which city as the sole and permanent capital of Andhra Pradesh?

- Ans** ☒ A. Amaravati
 ☐ B. Vijayawada
 ☐ C. Visakhapatnam
 ☐ D. Kurnool

Q.82 What was the name of the programme in which India had been participating since April 2016, under which 56 Indian school students and 4 supervisors had been flagged off at NCERT, New Delhi, for a visit to Japan in May 2026?

- Ans** ☐ A. Samurai Science Programme
 ☒ B. Sakura Science Programme
 ☐ C. Kizuna Science Programme
 ☐ D. Mirai Science Programme

Q.83 Which organisation introduced the SWAGAT-FI portal in 2025 to simplify onboarding of long-term foreign investors through digital KYC?

- Ans** ☒ A. Securities and Exchange Board of India
 ☐ B. Reserve Bank of India
 ☐ C. National Payments Corporation of India
 ☐ D. State Bank of India

Q.84 Which district in Gujarat gained international recognition with the inclusion of Chhari-Dhand in the Ramsar List in 2026?

- Ans** ☐ A. Surat district
 ☐ B. Vadodara district
 ☒ C. Kutch district
 ☐ D. Banaskantha district

Q.85 Which Indian shooter clinched the silver medal in the men's 25-meter centre fire pistol event at the ISSF World Championships 2025 in Cairo, Egypt?

- Ans** ☐ A. Anish Bhanwala
 ☐ B. Samrat Rana
 ☐ C. Aishwary Pratap Singh Tomar
 ☒ D. Gurpreet Singh

- Q.86** BODH (Benchmarking Open Data Platform for Health AI), developed in collaboration with the National Health Authority for systematic evaluation of Health AI models, has been developed by which institution?
- Ans** ☒ A. National Institute of Technology
☒ B. Indian Institute of Technology Kanpur
☒ C. Indian Institute of Science
☒ D. All India Institute of Medical Sciences
- Q.87** India had made a historic return to which football tournament in 2026 after a 21-year gap by facing Australia in China?
- Ans** ☒ A. AFC U-17 Women's Asian Cup
☒ B. FIFA U-17 Women's World Cup
☒ C. SAFF U-17 Women's Championship
☒ D. AFC U-20 Women's Asian Cup
- Q.88** Which pillar of the human-centric "MANAV" artificial intelligence framework explicitly addresses data, algorithmic, and digital infrastructure sovereignty?
- Ans** ☒ A. Second Pillar
☒ B. Third Pillar
☒ C. First Pillar
☒ D. Fourth Pillar
- Q.89** The MoSPI bulletin "Planet in Focus" covers India's environmental progress across how many specific Sustainable Development Goals (SDGs) in 2026?
- Ans** ☒ A. Six goals
☒ B. Five goals
☒ C. Four goals
☒ D. Three goals
- Q.90** According to the Supreme Court judgment delivered on March 24, 2026, in the case of Chinthada Anand v. State of Andhra Pradesh, members professing which religions had been recognised as part of the Scheduled Caste community in India?
- Ans** ☒ A. Sikhism, Islam and Buddhism
☒ B. Hinduism, Sikhism and Buddhism
☒ C. Hinduism, Christianity and Buddhism
☒ D. Hinduism, Sikhism and Christianity
- Q.91** Who had won the women's singles title at the Madrid Open 2026 after defeating Mirra Andreieva in the final?
- Ans** ☒ A. Aryna Sabalenka
☒ B. Marta Kostyuk
☒ C. Iga Swiatek
☒ D. Mirra Andreieva
- Q.92** On 17 November 2025, a significant Memorandum of Understanding (MoU) was signed between Gati Shakti Vishwavidyalaya (GSV) and which of the following in New Delhi?
- Ans** ☒ A. Integrated Defence Staff
☒ B. Defence Intelligence Agency
☒ C. Defence Public Sector Undertakings
☒ D. Defence Research and Development Organization (DRDO)

Q.93 Which Indian organisation had received two IEEE SA Corporate-2025 awards at a ceremony conducted in New Jersey, USA, during December 2025?

- Ans** ☒ A. Centre for Development of Telematics (C-DOT)
☐ B. National Institution for Transforming India (NITI) Aayog
☐ C. Defence Research and Development Organisation (DRDO)
☐ D. Indian Space Research Organisation (ISRO)

Q.94 As reported in April 2026, which state government launched the 'Safe Mobility Program' under which women from Self-Help Groups (SHGs) were trained as e-rickshaw pilots to provide safe transportation services for women and girls?

- Ans** ☐ A. Rajasthan
☒ B. Uttar Pradesh
☐ C. Madhya Pradesh
☐ D. Bihar

Q.95 A senior artist from Rajasthan, recognized in early 2026, was celebrated for safeguarding an indigenous performing art rooted in spiritual and musical storytelling. Which distinguished name is linked to this honor according to official announcements?

- Ans** ☒ A. Shri Gafruddin Mewati Jogi
☐ B. Shri Haricharan Saikia
☐ C. Shri Chiranji Lal Yadav
☐ D. Shri Bhiklya Ladakya Dhinda

Q.96 National Girl Child Day 2026 was observed across India on which of the following dates to promote girls' rights and empowerment?

- Ans** ☐ A. March 08
☒ B. January 24
☐ C. February 13
☐ D. January 12

Q.97 According to the Ministry of External Affairs, who had been appointed as India's next High Commissioner to the People's Republic of Bangladesh in April 2026?

- Ans** ☐ A. Arun Kumar
☒ B. Dinesh Trivedi
☐ C. Suresh Prasad
☐ D. Rajiv Bansal

Q.98 Which institution introduced 'OmegaBall', India's first three-team football format, and proposed a national OmegaBall Club in 2026?

- Ans** ☒ A. Indian Institute of Technology Madras
☐ B. Indian Institute of Technology Delhi
☐ C. Indian Institute of Science Bengaluru
☐ D. Indian Institute of Technology Bombay

Q.99 The Adani Group is setting up a 48-megawatt cutting-edge AI green data centre in which state at an outlay of Rs 2,500 crores?

- Ans** ☐ A. Bihar
☐ B. Andhra Pradesh
☒ C. Telangana
☐ D. Maharashtra

Q.100 In 2026, which novel received the Sahitya Akademi Award 2025 in the English language category?

- Ans**
- ☐ A. Chronicles of the Silent River
 - ☒ B. Crimson Spring
 - ☐ C. Jeete Jee Allahabad
 - ☐ D. Requiem in Raga Janki



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
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CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Sunshine Convent School Online Exam Center
Test Date	17/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 All of the following are consequences of overuse of nitrogen fertilisers, EXCEPT

- Ans**
- ☒ A. Algal bloom formation
 - ☒ B. Increased oxygen in water bodies
 - ☒ C. Soil and water degradation
 - ☒ D. Fish death due to oxygen depletion

Q.2 In a garden ecosystem with rose plants, jasmine plants, insects, snake, and birds, which group captures solar energy and converts it into food for other organisms?

- Ans**
- ☒ A. Birds
 - ☒ B. Rose plant only
 - ☒ C. Rose and Jasmine plants
 - ☒ D. Insects

Q.3 A force of 45 N causes an object to move 3 m in the direction of the force. Calculate the work done.

- Ans**
- ☒ A. 135 J
 - ☒ B. 155 J
 - ☒ C. 125 J
 - ☒ D. 145 J

Q.4 A prolonged drought in a forest causes widespread plant death. Based on the Earth's interconnected spheres, a likely consequence of this is:

- Ans**
- ☒ A. Stable carbon dioxide levels in the biosphere
 - ☒ B. Disrupted oxygen balance across spheres
 - ☒ C. Increased oxygen production in the atmosphere
 - ☒ D. Immediate rise in nitrogen levels in rocks

Q.5 Which of the following correctly defines the mass number of an atom?

- Ans**
- ☒ A. Number of electrons only
 - ☒ B. Sum of protons and neutrons
 - ☒ C. Number of electrons plus neutrons
 - ☒ D. Number of protons only

Q.6 The potential difference between two points in a circuit is 1 volt if:

- Ans**
- ☐ A. 1 ampere current flows for 1 second
 - ☐ B. 1 joule of energy is consumed in 1 second
 - ☐ C. 1 coulomb of charge flows through a resistance of 1 ohm
 - ☒ D. 1 joule of work is done in moving 1 coulomb of charge

Q.7 Industrial machines made of steel often operate in moist environments. Which routine maintenance task is most effective in minimizing corrosion and ensuring machine longevity?

- Ans**
- ☐ A. Covering machines with paper sheets
 - ☐ B. Wiping machines with dry towels
 - ☐ C. Spraying water on the machines
 - ☒ D. Applying lubricating oil on exposed parts

Q.8 A scientist wants to obtain pure solid iodine from its mixture with sand. Which change of temperature process should they use?

- Ans**
- ☐ A. Freezing
 - ☐ B. Melting
 - ☒ C. Sublimation
 - ☐ D. Condensation

Q.9 A force of 300 N acts on an object. If displacement becomes three times larger while force remains constant, work done ____.

- Ans**
- ☐ A. becomes nine times
 - ☐ B. remains same
 - ☒ C. becomes three times
 - ☐ D. becomes one-third

Q.10 Salivation when seeing food is an example of which type of action?

- Ans**
- ☐ A. Voluntary
 - ☐ B. Self-propagated
 - ☒ C. Involuntary
 - ☐ D. Planned

Q.11 What is the approximate value of gastric juice in the human body?

- Ans**
- ☐ A. 7.0 - 7.4
 - ☐ B. 6.5 - 6.8
 - ☒ C. 0.9 - 1.2
 - ☐ D. 10 - 11

Q.12 If a person walks 5 meters east, then 12 meters west along a straight path, which value represents the magnitude of the person's displacement?

- Ans**
- ☐ A. 5 meters
 - ☒ B. 7 meters
 - ☐ C. 12 meters
 - ☐ D. 17 meters

Q.13 Which respiratory pigment in human beings has the highest affinity for oxygen?

- Ans**
- ☒ A. Haemoglobin
 - ☐ B. Keratin
 - ☐ C. Chlorophyll
 - ☐ D. Hemocyanin

Q.14 Which of the following actions would most effectively reduce reverberation in a large auditorium?

- Ans**
- ✓ A. Installing curtains and carpets throughout the space
 - ✗ B. Removing some of the seats in the auditorium
 - ✗ C. Painting the walls with regular paint
 - ✗ D. Adding more loudspeakers to the auditorium

Q.15 How did Friedrich Wöhler challenge the vital force theory of organic compound synthesis?

- Ans**
- ✗ A. By discovering the catenation property of carbon
 - ✓ B. By preparing urea from ammonium cyanate
 - ✗ C. By synthesizing carbon dioxide in the lab
 - ✗ D. By extracting natural substances from living systems

Q.16 Which visible change confirms displacement reaction when iron reacts with copper sulphate solution?

- Ans**
- ✗ A. Colourless gas evolves rapidly
 - ✓ B. Reddish-brown copper deposits appear
 - ✗ C. Solution temperature drops suddenly
 - ✗ D. White precipitate forms instantly

Q.17 A student observes a pencil half-immersed in water (refractive index 1.33) and notices the apparent bending is less than when the pencil is in a liquid with refractive index 1.5. What does this suggest about the relationship between refractive index and light bending?

- Ans**
- ✗ A. Bending is same for all liquids
 - ✗ B. Greater refractive index reduces bending
 - ✗ C. Refractive index has no effect on bending
 - ✓ D. Greater refractive index increases bending

Q.18 A 0.6 kg soccer ball and a 1.0 kg basketball are kicked with the same acceleration. Which will experience a greater force, according to Newton's second law?

- Ans**
- ✗ A. The soccer ball, because it is lighter
 - ✓ B. The basketball, because it has greater mass
 - ✗ C. Both experience the same force
 - ✗ D. The ball with higher acceleration, regardless of mass

Q.19 The study of metals and their properties belongs to which branch of chemistry?

- Ans**
- ✗ A. Biochemistry
 - ✗ B. Physical chemistry
 - ✗ C. Analytical chemistry
 - ✓ D. Inorganic chemistry

Q.20 Which plant tissue is dead at maturity but functional for transport of water and minerals?

- Ans**
- ✓ A. Xylem
 - ✗ B. Collenchyma
 - ✗ C. Phloem
 - ✗ D. Parenchyma

Q.21 Imagine a scientist is analyzing an unknown atom and finds it has a mass number of 24 and an atomic number of 12. If the atom gains two neutrons due to a nuclear reaction, what will be its new mass number?

- Ans**
- ☐ A. 12
 - ☒ B. 26
 - ☐ C. 24
 - ☐ D. 14

Q.22 Which of the following statements best explains why sound can NOT travel through a vacuum?

- Ans**
- ☐ A. Sound travels faster in a vacuum because there are no obstacles.
 - ☒ B. Sound requires particles to transfer energy, but a vacuum has no particles.
 - ☐ C. Sound needs light to travel, and a vacuum lacks light.
 - ☐ D. Sound waves in a vacuum change their pitch to inaudible levels.

Q.23 In Fleming's Left Hand Rule, which finger represents the direction of the magnetic field?

- Ans**
- ☒ A. The index finger
 - ☐ B. The ring finger
 - ☐ C. The thumb
 - ☐ D. The middle finger

Q.24 Which of the following best describes a food web?

- Ans**
- ☐ A. Bidirectional pathway of energy transfer in food chains
 - ☐ B. Role of decomposers at multiple trophic levels in food chains
 - ☒ C. Interconnections between trophic levels in several food chains
 - ☐ D. Relationship between producers in different food chains

Q.25 Which simple permanent tissue in plants is mainly responsible for photosynthesis and storage of food?

- Ans**
- ☐ A. Phloem
 - ☐ B. Sclerenchyma
 - ☒ C. Parenchyma
 - ☐ D. Collenchyma

Section : Mathematics

Q.26 Mahesh deposited a certain sum of money at 20% rate of interest per annum, compounded annually. At the end of 2 years, Mahesh received a total amount of ₹18,000. What was the sum of money deposited by Mahesh?

- Ans**
- ☐ A. ₹12,800
 - ☒ B. ₹12,500
 - ☐ C. ₹12,129
 - ☐ D. ₹12,996

Q.27 Simplify: $(a + b)^2 - (a - b)^2$

- Ans**
- ☐ A. $2ab$
 - ☒ B. $4ab$
 - ☐ C. $a^2 + b^2$
 - ☐ D. $a^2 - b^2$

Q.28 The ratio of two numbers is 2 : 5. If their sum is 49, find the larger of the two numbers.

- Ans ☐ A. 14
☒ B. 35
☐ C. 25
☐ D. 42

Q.29 A family with a monthly income of ₹60,000 spends 30% of this amount on food. What is the monetary value of this expenditure?

- Ans ☐ A. ₹10,000
☐ B. ₹12,000
☒ C. ₹18,000
☐ D. ₹15,000

Q.30 Sumanth covers a certain distance by car, driving at 29 km/hr, and he returns to the starting point riding on a scooter with a speed of 28 km/hr. Find the average speed for the whole journey.

- Ans ☒ A. $28\frac{28}{57}$ km/hr
☐ B. $26\frac{28}{57}$ km/hr
☐ C. $27\frac{28}{57}$ km/hr
☐ D. $29\frac{28}{57}$ km/hr

Q.31 5 men and 15 women can complete a task in 10 days, while 15 men and 5 women can complete it in 20 days. In how many days will 40 women complete the task?

- Ans ☐ A. 30 days
☒ B. 4 days
☐ C. 15 days
☐ D. 10 days

Q.32 If $\sin A = \frac{4}{5}$, A is an acute angle, then find the value of $\sec A \times \sin A$ –

- Ans ☒ A. $\frac{7}{12}$
☐ B. $\frac{5}{6}$
☐ C. $\frac{3}{8}$
☐ D. 0

Q.33 The value of $\left[\frac{\sin^2 25^\circ + \sin^2 65^\circ}{\cos^2 25^\circ + \cos^2 65^\circ} + \sin^2 57^\circ + \cos 57^\circ \sin 33^\circ \right]$ is:

- Ans ☐ A. 1
☐ B. -1
☒ C. 2
☐ D. 0

Q.34 Calculate the mean from the following items.

163, 141, 155, 175, 186, 206

- Ans** ☒ A. 171
☐ B. 172
☐ C. 173
☐ D. 170

Q.35 The 7-digit number 86A238B is divisible by 3. What is the minimum value of (A + B)?

- Ans** ☐ A. 4
☒ B. 0
☐ C. 5
☐ D. 3

Q.36 A bus travels from City A to City B, which are 210 km apart. For the last 90 km, the bus increases its speed by 5 km/h than the speed that it had been traveling. If the average speed of the journey is 42 km/h, find the total time (in hours) taken for the journey if the bus travels the whole distance at the speed at which it travelled the first part of the journey.

- Ans** ☒ A. 5.25
☐ B. 5.62
☐ C. 4.67
☐ D. 4.75

Q.37 The ratio of the total surface area to the lateral surface area of a cylinder whose radius is 20 cm and height 60 cm is:

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

Q.38 A city has a population of 80,000. The population increases by 10% in the first year, decreases by 5% in the second year, and again increases by 20% in the third year. What is the final population?

- Ans** ☐ A. 1,10,320
☐ B. 1,01,320
☐ C. 1,07,320
☒ D. 1,00,320

Q.39 Three ropes of lengths 12 m, 18 m, and 24 m are to be cut into pieces of equal length, with no rope left unused. What is the greatest possible length of each piece (in meters)?

- Ans** ☐ A. 3
☒ B. 6
☐ C. 9
☐ D. 12

Q.40 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 17% and 35%, shop II allows successive discounts of 99% and 23%, shop III allows successive discounts of 31% and 98% and shop IV allows successive discounts of 66%, 30%, and 37% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. I
☒ B. II
☒ C. IV
☒ D. III

Q.41 Find the simple interest (in ₹) if a sum of ₹600 is borrowed for 2.5 years at 8% per annum rate of interest.

- Ans** ☒ A. 100
☒ B. 120
☒ C. 170
☒ D. 220

Q.42 Ravi buys 2 kg of apples at ₹100 per kg and 3 kg of bananas at ₹60 per kg. What is the average price per kg of the fruits he bought?

- Ans** ☒ A. ₹80
☒ B. ₹76
☒ C. ₹70
☒ D. ₹72

Q.43 Two triangles LMN and OPQ are congruent. If the area of $\triangle LMN$ is 74 cm^2 , then the area of $\triangle OPQ$ will be:

- Ans** ☒ A. 18.5 cm^2
☒ B. 148 cm^2
☒ C. 37 cm^2
☒ D. 74 cm^2

Q.44 Given that $52^{0.21} = x$, $52^{0.18} = y$ and $x^z = y^{10}$, then the value of z is close to:

- Ans** ☒ A. 8.57
☒ B. 6.58
☒ C. 9.66
☒ D. 7.97

Q.45 The mean and the mode of a set of data are 53.8 and 75.7, respectively. Find the median of the data, using the empirical formula.

- Ans** ☒ A. 60.5
☒ B. 61.2
☒ C. 60.8
☒ D. 61.1

Q.46 Arvind bought an article for ₹ x . He sold it to Biru at a loss of 15%. Biru spent ₹157 on its transportation and sold it to Minu at a profit of 40%. If Minu bought it for ₹1,505, then what is the value of x ?

- Ans** ☒ A. 1,080
☒ B. 1,160
☒ C. 1,180
☒ D. 1,060

Q.47 In triangle PQR, the sides PQ and PR are fixed with lengths 26 cm and 17 cm, respectively. Point S lies on side QR such that the ratio $QS:SR = 3:5$. The area of triangle PQS is 120 cm^2 . Find the area of triangle PQR.

- Ans**
- ☒ A. 308 cm^2
 - ☒ B. 322.5 cm^2
 - ☒ C. 315 cm^2
 - ☒ D. 320 cm^2

Q.48 P, Q, and R start a business together, investing amounts in the ratio 4:5:6. If the total profit is divided among them in the same ratio and Q receives ₹15,000, what is the total profit?

- Ans**
- ☒ A. ₹60,000
 - ☒ B. ₹51,000
 - ☒ C. ₹45,000
 - ☒ D. ₹54,000

Q.49 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. decrease by ₹2,325
 - ☒ B. increase by ₹2,325
 - ☒ C. decrease by ₹2,322
 - ☒ D. increase by ₹2,319

Q.50 The following table shows the number of books sold by a bookstore in four categories over three months, along with the average selling price per book.

Month	Fiction	Non-Fiction	Children's Books	Academic	Avg. Selling Price per Book (₹)
Jan	1,200	900	1,500	800	250
Feb	1,400	1,000	1,600	900	260
Mar	1,300	1,200	1,700	1,000	270

In which month was the ratio of Children's Books to Academic Books sold the highest?

- Ans**
- ☒ A. January
 - ☒ B. March
 - ☒ C. Same in all months
 - ☒ D. February

Section : General Intelligence and Reasoning

Q.51 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five people – P, Q, R, S, and T – who is the oldest?

(I) P is older than Q. Q is older than R. R is older than S. S is older than T.

(II) Q is older than R.

- Ans**
- ☐ A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
 - ☐ B. Both statements I and II together are NOT sufficient to answer the question.
 - ☐ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q.52 If 'I' stands for '+', 'J' stands for '×', 'K' stands for '+', and 'L' stands for '-' what will come in place of the question mark '?' in the following equation?

9 J 5 I 40 K 8 L 10 = ?

- Ans**
- ☐ A. 31
 - ☒ B. 40
 - ☐ C. 25
 - ☐ D. 54

Q.53 This question is based on the given words.

COW KEY FAN BAR

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. Four
 - ☐ B. Two
 - ☒ C. Three
 - ☐ D. None

Q.54 Nine boxes, M, N, O, P, Q, R, S, T and U, are kept one over the other, but not necessarily in the same order.

P is kept at the fifth position from the top. Only three boxes are kept between P and N. N is not kept at the bottom. Only two boxes are kept between Q and N. Only S is kept between M and R. O is kept immediately below R. T is not kept immediately below N.

How many boxes are kept exactly between U and S?

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

Q.55 Piyush ranked 18th from the top and 62nd from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 78
 - ☐ B. 80
 - ☐ C. 77
 - ☒ D. 79

- Q.56** Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

38 - 114 - 228 ;

76 - 228 - 456

- Ans** ☒ A. 54 - 166 - 324
☒ B. 89 - 267 - 534
☒ C. 49 - 157 - 299
☒ D. 66 - 198 - 369

- 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. OQ - WY
☒ B. PR - XZ
☒ C. IK - MK
☒ D. MO - UW

- Q.58** In a certain code language, 'this chair is strong' is coded as 'ra mn kb lt' and 'smoking is bad habit' is coded as 'mn tg lo cx'. How is 'is' coded in that language? (All the codes are two-letter codes only.)

- Ans** ☒ A. tg
☒ B. cx
☒ C. mn
☒ D. ra

- 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 \$ B means 'A is the wife of B'
A % B means 'A is the father of B'.

How is Charu related to Atul if 'Charu # Gopal @ Rahul % Vinay \$ Atul'?

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

- 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?

12 A 4 B 5 C 7 D 8 = ?

- Ans** ☒ A. 12
☒ B. 13
☒ C. 11
☒ D. 14

Q.61 Mr. Tosi starts from Point A and drives 21 km towards the North. He then takes a left turn, drives 32 km, turns left and drives 25 km. He then takes a left turn and drives 40 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. 8 km to the West
☐ B. 5 km to the East
☐ C. 9 km to the East
☐ D. 6 km to the West

Q.62 DMVY is related to TCLO in a certain way based on the English alphabetical order. In the same way, PYHK is related to FOXA. To which of the following options is LUDG related, following the same logic?

- Ans** ☐ A. BWET
☒ B. BKTW
☐ C. BKIO
☐ D. BTRE

Q.63 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 2 M & 8 L \$ 4 K % 7 G # H 7 @ 3 N ! O C * (Right)

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

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

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) 7 8 7 8 5 6 9 4 8 7 5 9 8 4 7 3 4 9 1 9 3 2 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 odd digit?

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

Q.65 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?

$$620 \times 4 + 6 \div 8 - 6 = ?$$

- Ans** ☐ A. 82
☒ B. 113
☐ C. 132
☐ D. 72

Q.66 Each vowel in the word DECOLORISES is changed to the second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

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

Q.67 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) D D O J J D A U B E K E H M Y V U A V I I H (Right)

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

- Ans**
- ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☒ D. 3

Q.68 A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only B lives above C. S lives immediately below C. Only A lives below T. Who lives on floor number 3?

- Ans**
- ☐ A. S
 - ☐ B. A
 - ☐ C. T
 - ☒ D. D

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 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. PS - QT
 - ☐ B. KN - LO
 - ☒ C. UX - VZ
 - ☐ D. GJ - HK

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.

XVT-WUS

VTR-USQ

- Ans**
- ☐ A. JGD-HFD
 - ☐ B. JHF-HGD
 - ☒ C. JHF-IGE
 - ☐ D. JGD-IGE

Q.71 9 is related to 22 following a certain logic. Following the same logic, 11 is related to 28. To which of the following is 7 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 20
 - ☐ B. 26
 - ☐ C. 18
 - ☒ D. 16

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

CZX WTR QNL KHF ?

- Ans**
- ☐ A. ERT
 - ☐ B. EBY
 - ☐ C. EXR
 - ☒ D. EBZ

Q.73 Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. No one sits to the left of U. There are exactly four people between U and Q. Only three people sit to the right of W. T sits immediately to the left of V. P is not an immediate neighbour of W. Based on the given information, who is sitting at the rightmost end of the line?

- Ans**
- ☐ A. T
 - ☐ B. S
 - ☐ C. Q
 - ☒ D. P

Q.74 This question is based on the following words.

JAR ORA VET AND

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.75 UO 7 is related to WR -2 in a certain way. In the same way, EK 12 is related to GN 3. To which of the following is VW 2 related, following the same logic?

- Ans**
- ☒ A. XZ -7
 - ☐ B. XW -6
 - ☐ C. GT -8
 - ☐ D. VX -5

Q.76 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Only four people sit between Q and R. Only Q sits to the left of I. Only P sits between J and Z and J is not an immediate neighbor of R. Who sits at the extreme right of the row?

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

Q.77 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: P, Q, R, S, and T are of different ages. Who is the oldest?

Statements:

(I) R is older than S and T, but younger than Q.

(II) Q is younger than P. P is older than R.

- Ans**
- ☐ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
 - ☐ C. Both statements I and II together are NOT sufficient to answer the question
 - ☐ D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q.78 In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y @ R # B - G'?

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

Q.79 If all the letters in the word COLLEAGUE are arranged in the English alphabetical order, then which letter will be fifth from the right end in the new letter-cluster thus formed?

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

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

142 199 167 224 192 249 ?

- Ans**
- ☐ A. 209
 - ☐ B. 225
 - ☐ C. 201
 - ☒ D. 217

- Q.81** In which month did the Grand Finale of the 63rd National Maritime Day Celebrations take place in Mumbai in 2026?
- Ans** ☒ A. April
☐ B. February
☐ C. March
☐ D. January
- Q.82** Which force's first all-women expedition team successfully scaled Mount Everest in 2026, receiving congratulations from Union Minister Jitendra Singh?
- Ans** ☐ A. Central Reserve Police Force
☐ B. Border Security Force
☒ C. Indo-Tibetan Border Police
☐ D. Sashastra Seema Bal
- Q.83** According to the Supreme Court's 2026 ruling on trafficking and commercial sexual exploitation of minors, traffickers may be prosecuted under the Protection of Children from Sexual Offences (POCSO) Act in addition to which combination of laws?
- Ans** ☐ A. Bharatiya Nagarik Suraksha Sanhita and Juvenile Justice Act
☒ B. Bharatiya Nyaya Sanhita and Immoral Traffic (Prevention) Act
☐ C. Juvenile Justice Act and Bharatiya Sakshya Adhinyam
☐ D. Information Technology Act and Immoral Traffic (Prevention) Act
- Q.84** Which of the following Northeast cities was selected for the inauguration of the Integrated Multipurpose Indoor Sports Complex in May 2026?
- Ans** ☐ A. Agartala
☒ B. Shillong
☐ C. Kohima
☐ D. Imphal
- Q.85** According to the Germanwatch Climate Risk Index 2026, which assesses climate-related impacts for the period 1995–2024, what rank did India secure?
- Ans** ☐ A. 12th
☐ B. 7th
☐ C. 5th
☒ D. 9th
- Q.86** Which novel won the Pulitzer Prize for Fiction in 2026 for its World War I narrative blending allegory, magical realism, and science fiction?
- Ans** ☐ A. Demon Copperhead
☐ B. The Heaven and Earth Grocery Store
☒ C. Angel Down
☐ D. Trust
- Q.87** According to the World Health Organization (WHO), what was the theme of World AIDS Day observed on December 1, 2025?
- Ans** ☐ A. United for a World Without AIDS
☐ B. Ending AIDS: A Global Commitment
☐ C. Hope and Progress: Fighting HIV Together
☒ D. Overcoming disruption, transforming the AIDS response

Q.88 India assumed the Chairship of which international grouping for the year 2026?

- Ans**
- ☐ A. ASEAN
 - ☐ B. OECD
 - ☒ C. BRICS
 - ☐ D. G7

Q.89 Following the 2026 Assembly election results, in which state did the INC-led United Democratic Front (UDF) return to power after approximately a decade?

- Ans**
- ☐ A. Karnataka
 - ☐ B. Andhra Pradesh
 - ☐ C. Tamil Nadu
 - ☒ D. Kerala

Q.90 On February 14, 2026, the Ministry of Women and Child Development organised the National Conference on Safety of Women at Workplace at Vigyan Bhawan, New Delhi. The conference was associated with which platform?

- Ans**
- ☒ A. SHe-Box
 - ☐ B. Beti Bachao Dashboard
 - ☐ C. Mission Poshan Tracker
 - ☐ D. Nari Shakti Portal

Q.91 In December 2025, Armed Forces Medical Services in collaboration with eHealth AI Unit of the Ministry of Health & Family Welfare (MoHFW) launched the country's first AI-assisted screening programme for which disease?

- Ans**
- ☐ A. Stroke
 - ☒ B. Diabetic Retinopathy
 - ☐ C. Tuberculosis
 - ☐ D. Breast Cancer

Q.92 Which tennis player had won the men's singles title at the Australian Open 2026 and became the youngest male player to complete the career Grand Slam?

- Ans**
- ☒ A. Carlos Alcaraz
 - ☐ B. Jannik Sinner
 - ☐ C. Daniil Medvedev
 - ☐ D. Novak Djokovic

Q.93 Which policy think tank and administrative body of the Government of India was in the news in May 2026 for launching the Central Prabhar Officer (CPO) Portal to strengthen real-time governance and last-mile delivery in Aspirational Districts and Blocks?

- Ans**
- ☐ A. Finance Commission
 - ☐ B. Election Commission of India
 - ☐ C. Union Public Service Commission
 - ☒ D. NITI Aayog

Q.94 Which chess player had secured the bronze medal at the 2025 FIDE World Blitz Chess Championship conducted in Doha during December 2025?

- Ans**
- ☐ A. Nodirbek Abdusattorov
 - ☐ B. Wesley So
 - ☐ C. Magnus Carlsen
 - ☒ D. Arjun Erigaisi

Q.95 Which two countries signed an agreement in 2025 concerning the sovereignty of the Chagos Archipelago?

- Ans**
- ☒ A. United Kingdom and Mauritius
 - ☐ B. India and Maldives
 - ☐ C. France and Seychelles
 - ☐ D. United States and Mauritius

Q.96 The 60th National Cross Country Championships held on 24 January 2026 was organized in which city?

- Ans**
- ☐ A. Guwahati
 - ☐ B. Patiala
 - ☐ C. Bhopal
 - ☒ D. Ranchi

Q.97 Which important social justice legislation was passed during the Budget Session 2026?

- Ans**
- ☐ A. National Urban Migration Regulation and Housing Equity Bill, 2026
 - ☐ B. Uniform Agricultural Land Redistribution and Rehabilitation Bill, 2026
 - ☒ C. Transgender Persons Protection of Rights Amendment Bill, 2026
 - ☐ D. National Digital Privacy and Electoral Authentication Act, 2026

Q.98 According to the MoSPI bulletin "Planet in Focus," which specific Sustainable Development Goal (SDG) represents India's progress in clean water and sanitation in 2026?

- Ans**
- ☐ A. SDG 5
 - ☒ B. SDG 6
 - ☐ C. SDG 7
 - ☐ D. SDG 8

Q.99 On May 2, 2026, India launched an indigenous Cell Broadcast System (CBS) for disaster alerts. Which organisation developed this technology?

- Ans**
- ☐ A. DRDO (Defence Research and Development Organisation)
 - ☒ B. C-DOT (Centre for Development of Telematics)
 - ☐ C. ISRO (Indian Space Research Organisation)
 - ☐ D. TRAI (Telecom Regulatory Authority of India)

Q.100 In January 2026, the Delhi Government signed a Memorandum of Understanding (MoU) with which banking institution to act as its banker and debt manager?

- Ans**
- ☒ A. Reserve Bank of India (RBI)
 - ☐ B. National Bank for Agriculture and Rural Development (NABARD)
 - ☐ C. Export-Import Bank of India (EXIM Bank)
 - ☐ D. State Bank of India (SBI)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Maa Kamla Digital Center
Test Date	17/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 In what way does geotropism support effective rooting in plants?

- Ans
- ☒ A. It directs photosynthetic tissues into the soil.
 - ☒ B. It directs roots to grow downward, anchoring the plant and helping them access moisture and nutrients.
 - ☒ C. It makes roots grow toward sunlight.
 - ☒ D. It prevents roots from branching.

Q.2 Which property is most affected if the length of the carbon chain in an alkane increases?

- Ans
- ☒ A. Electrical conductivity
 - ☒ B. Boiling point
 - ☒ C. Flammability
 - ☒ D. Color

Q.3 What type of chemical reaction is represented by $\text{CaO(s)} + \text{H}_2\text{O(l)} \rightarrow \text{Ca(OH)}_2\text{(aq)} + \text{Heat}$?

- Ans
- ☒ A. Displacement reaction
 - ☒ B. Double displacement reaction
 - ☒ C. Combination reaction
 - ☒ D. Decomposition reaction

Q.4 Which wavelength range is primarily responsible for heating the Earth's surface and contributing to the greenhouse effect?

- Ans
- ☒ A. Visible light
 - ☒ B. Infrared radiation
 - ☒ C. Radio waves
 - ☒ D. Ultraviolet radiation

Q.5 An object is placed at a certain height above the ground. Which form of energy does it possess due to its position?

- Ans
- ☒ A. Thermal energy
 - ☒ B. Kinetic energy
 - ☒ C. Potential energy
 - ☒ D. Chemical energy

Q.6 If an image is formed three times the size of the object and is inverted, what is the possible position of the object with respect to a concave mirror of focal length 10 cm?

- Ans**
- ☒ A. Object placed 13.3 cm from the mirror
 - ☐ B. Object placed 6.6 cm from the mirror
 - ☐ C. Object placed 20 cm from the mirror
 - ☐ D. Object placed 10 cm from the mirror

Q.7 The IUPAC name of the compound $\text{CH}_3 - \text{CH}_2 - \text{C}(\text{CH}_3)_2 - \text{CH}_2 - \text{CH}_3$ is:

- Ans**
- ☒ A. 3,3-dimethylpentane
 - ☐ B. 3-ethylpentane
 - ☐ C. 2-methylhexane
 - ☐ D. 2,2-dimethylpentane

Q.8 An object is moving eastward. Which force will definitely do negative work on it?

- Ans**
- ☐ A. A force acting upward
 - ☒ B. A force acting westward
 - ☐ C. A force acting downward
 - ☐ D. A force acting eastward

Q.9 Blood is a connective tissue because it links different body systems. What is the liquid matrix in which blood cells are suspended?

- Ans**
- ☐ A. Platelets
 - ☒ B. Plasma
 - ☐ C. Haemoglobin
 - ☐ D. Cytoplasm

Q.10 A rare genetic disorder causes the hard matrix of a certain connective tissue to become less rigid, leading to frequent bone fractures. What is the most likely explanation for this observation?

- Ans**
- ☐ A. Decrease in plasma proteins in blood matrix
 - ☐ B. Loss of proteins and sugars in cartilage matrix
 - ☐ C. Reduction in calcium and phosphorus compounds in bone matrix
 - ☒ D. A defect in type I collagen due to Mutation in *COL1A1* or *COL1A2* genes

Q.11 In a scenario where excess extracellular fluid is not drained back into the blood, which system's malfunction is most likely responsible?

- Ans**
- ☐ A. Circulatory system
 - ☐ B. Digestive system
 - ☒ C. Lymphatic system
 - ☐ D. Nervous system

Q.12 Which of the following conditions is necessary to hear an echo clearly?

- Ans**
- ☐ A. Source of sound must be very strong
 - ☐ B. The reflecting surface must be soft
 - ☒ C. Time interval must be at least 0.1 s
 - ☐ D. Listener must be moving

Q.13 If a student mixes acetic acid with sodium hydroxide and observes bubbling, what might explain this observation?

- Ans
- ☐ A. The reaction is very slow
 - ☐ B. Water is forming as the only product
 - ☒ C. A contaminant like carbonate is present
 - ☐ D. The reaction is already complete

Q.14 When a tuning fork vibrates and produces sound, what type of waves is created in the surrounding air?

- Ans
- ☐ A. A wave where energy moves but particles do not.
 - ☐ B. A surface wave moving in circles.
 - ☒ C. A longitudinal wave with compressions and rarefactions.
 - ☐ D. A transverse wave with crests and troughs.

Q.15 Which of the following statements are correct for electrolytic refining?

- a. Copper, zinc, and nickel are refined electrolytically.
- b. In this method, a thin strip of pure metal is used as cathode.
- c. The insoluble impurities settled at bottom of the anode are known as anode mud.

- Ans
- ☐ A. b and c only
 - ☐ B. a and b only
 - ☒ C. All a, b and c
 - ☐ D. a and c only

Q.16 Among the following, which is transported in xylem?

- Ans
- ☐ A. Amino acids
 - ☒ B. Water and minerals
 - ☐ C. Proteins
 - ☐ D. Glucose

Q.17 Which of the following pairs of elements is most likely to form an ionic bond?

- Ans
- ☐ A. Hydrogen and carbon
 - ☐ B. Nitrogen and oxygen
 - ☒ C. Magnesium and chlorine
 - ☐ D. Copper and iron

Q.18 The resistivity of a material is defined as the resistance offered by a conductor of that material having:

- Ans
- ☐ A. Half the length and double the cross-sectional area
 - ☒ B. Unit length and unit cross-sectional area
 - ☐ C. Double the length and unit cross-sectional area
 - ☐ D. Unit length and half the cross-sectional area

Q.19 If a car is gradually pushed to a speed of 1 m/s, what determines the change in its momentum according to the second law of motion?

- Ans
- ☐ A. Only the mass of the car determines the change in momentum.
 - ☐ B. The magnitude of force alone is enough to determine the change.
 - ☒ C. Both the magnitude of the force and the time during which the force is applied determine the change in momentum.
 - ☐ D. Only the direction of motion changes the momentum.

Q.20 A science teacher asks students to identify an organism under the microscope. The organism is single-celled, has a rigid cell wall, and produces oxygen through photosynthesis. Which organism is most likely being observed?

- Ans
- ☐ A. Amoeba
 - ☐ B. Paramecium
 - ☐ C. Euglena
 - ☒ D. Cyanobacterium

Q.21 How do root hair help plants in the process of absorbing water and minerals from the soil?

- Ans
- ☐ A. They transport food to leaves.
 - ☒ B. They increase the surface area of absorption.
 - ☐ C. They synthesize food.
 - ☐ D. They provide mechanical support.

Q.22 Which statement correctly describes the valency exhibited by phosphorus?

- Ans
- ☐ A. Phosphorus exhibits only a valency of two.
 - ☐ B. Phosphorus exhibits only a valency of five.
 - ☒ C. Phosphorus can exhibit valency of three or five
 - ☐ D. Phosphorus exhibits only a valency of three.

Q.23 An experiment uses a compass near a straight current-carrying wire. What does the compass needle indicate?

- Ans
- ☐ A. The compass needle aligns parallel to the wire
 - ☒ B. The compass needle aligns tangentially to the magnetic field circle around the wire
 - ☐ C. The compass needle shows no movement
 - ☐ D. The compass needle points radially away from the wire

Q.24 What are the two main components of a colloidal solution?

- Ans
- ☐ A. Reactant phase and product medium
 - ☐ B. Metal phase and non-metal medium
 - ☒ C. Dispersed phase and dispersion medium
 - ☐ D. Solute phase and solvent medium

Q.25 Which situation demonstrates Newton's second law of motion?

- Ans
- ☐ A. A swimmer pushes water backward and moves forward
 - ☐ B. A stationary object resting on a table
 - ☒ C. A heavy truck requires more force to accelerate than a small car
 - ☐ D. A ball rolling at a constant speed on a flat surface

Section : Mathematics

Q.26 The area of a field in the shape of a trapezium measure 2937.6 m^2 . If its parallel sides is 14.4 m. If the ratio of the parallel sides is $\frac{7}{12} : \frac{4}{15}$ side is:

- Ans
- ☐ A. 315 m
 - ☐ B. 140 m
 - ☒ C. 280 m
 - ☐ D. 175 m

Q.27 The cost of a washing machine is 23% less than the cost of a TV. If the cost of the washing machine increases by 73% and that of the TV decreases by 54%, then what is the percentage change in the total cost of 6 washing machines and 3 TVs?

- Ans**
- ☐ A. Decrease by 26%
 - ☒ B. Increase by 23%
 - ☐ C. Increase by 20%
 - ☐ D. Decrease by 22%

Q.28 A vendor sells 22 chocolates for ₹1 and makes a profit of 50%. How many chocolates did he buy for ₹1?

- Ans**
- ☐ A. 44
 - ☐ B. 39
 - ☐ C. 35
 - ☒ D. 33

Q.29 If $x = 3$, what is the value of the expression $x^2 + 2x + 1$?

- Ans**
- ☐ A. 14
 - ☒ B. 16
 - ☐ C. 18
 - ☐ D. 12

Q.30 Find the length of the chord which is at a distance of 4 cm from the centre of a circle whose radius is 5 cm.

- Ans**
- ☒ A. 6 cm
 - ☐ B. 8 cm
 - ☐ C. 3 cm
 - ☐ D. 10 cm

Q.31 If $\operatorname{cosec} \alpha + \cot \alpha = 4$, then the value of $\cos \alpha$ is:

- Ans**
- ☐ A. $\frac{4}{17}$
 - ☒ B. $\frac{15}{17}$
 - ☐ C. $\frac{8}{17}$
 - ☐ D. $\frac{12}{17}$

Q.32 What is the value of x if

$$\sqrt{\sqrt{x+3}} = 2$$

- Ans**
- ☐ A. 9
 - ☐ B. 8
 - ☐ C. 14
 - ☒ D. 13

- Q.33** A shopkeeper offers the following discount schemes on toys, all having the same marked price:
(A) Successive discounts of 45% and 6% on any number of toys purchased.
(B) Successive discounts of 17%, 49%, and 6% on any number of toys purchased.
(C) A discount of 47% on the first 8 toys and a discount of 25% on each toy thereafter.
(D) Buy 9 toys and get 8 toys free of cost.
A customer wants to buy 9 toys. Which of the above schemes is least beneficial to her?

Ans ☒ A. D
☒ B. B
☒ C. C
☒ D. A

- Q.34** Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Tushar borrowed an amount of ₹4,60,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Tushar after 4 years.

Ans ☒ A. 92,000
☒ B. 91,500
☒ C. 93,000
☒ D. 93,500

- Q.35** The compound interest earned in 1 year on ₹2,50,000 at the rate of 40% per annum, compounded quarterly, is:

Ans ☒ A. ₹1,15,931
☒ B. ₹1,16,025
☒ C. ₹1,16,416
☒ D. ₹1,16,033

- Q.36** The value of $(1 + \sec 15^\circ + \cot 75^\circ)(1 - \operatorname{cosec} 15^\circ + \tan 75^\circ)$ is equal to:

Ans ☒ A. 2
☒ B. 1
☒ C. -1
☒ D. 0

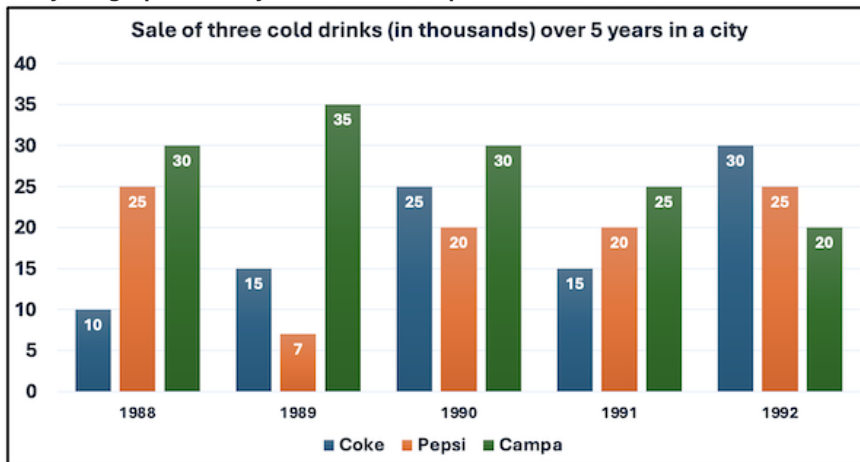
- Q.37** A milkman mixes water costing ₹0/litre with milk costing ₹20/litre. If the mixture is sold at ₹16/litre and there is neither gain accrued nor loss incurred in the transaction, find the ratio of milk to water in the mixture.

Ans ☒ A. 3 : 1
☒ B. 4 : 1
☒ C. 5 : 1
☒ D. 1 : 1

- Q.38** A man spends 45% of his monthly salary on the household, 20% of the remaining on transport and saves the remaining amount of ₹88,000. What is his monthly salary (in ₹)?

Ans ☒ A. 2,50,000
☒ B. 2,22,500
☒ C. 2,00,000
☒ D. 2,40,000

- Q.39** The following bar graph shows the sale of three cold drinks (in thousands) over a period of 5 years.
 Study the graph carefully and answer the question that follows.



Find the maximum average annual sale of any cold drink in the given period.

- Ans** ☒ A. 26,000
☒ B. 28,000
☒ C. 24,000
☒ D. 32,000
- Q.40** The total surface area of a cube having side 36 cm is:
- Ans** ☒ A. 7734 cm²
☒ B. 7826 cm²
☒ C. 7868 cm²
☒ D. 7776 cm²
- Q.41** Simplify: $272 \div 17 \times 1.5 + 13 - 5$
- Ans** ☒ A. 33
☒ B. 28
☒ C. 29
☒ D. 32
- Q.42** A sum of ₹30,000 is invested at a rate of 20% per annum. Find the difference in the final amount after 2 years if the interest is compounded annually and compounded half-yearly.
- Ans** ☒ A. ₹723
☒ B. ₹720
☒ C. ₹733
☒ D. ₹713
- Q.43** In a classroom survey, the average weight of 36 students was recorded as 50 kg. Later, it was found that one student's weight had been wrongly entered as 73 kg instead of 37 kg. What is the correct average weight of the class?
- Ans** ☒ A. 47 kg
☒ B. 48 kg
☒ C. 49 kg
☒ D. 50 kg

- Q.44** A covered a distance of 84 km in 8 hours. He walked part of the distance at a speed of 6 km/hr and rode a cycle for the rest at 12 km/hr. How far did he walk?
- Ans** ☒ A. 12 km
☐ B. 11 km
☐ C. 10 km
☐ D. 15 km
- Q.45** A cyclist covers 60 km at a speed of 20 km/h, 90 km at a speed of 30 km/h and 150 km at a speed of 25 km/h. Find the average speed of the cyclist for the entire journey.
- Ans** ☒ A. 25 km/h
☐ B. 24 km/h
☐ C. 27 km/h
☐ D. 26 km/h
- Q.46** Rishi can prepare one wooden wardrobe in 2 days, and Shan can prepare the same wardrobe in 4 days. If they work together, in how many days will they prepare 126 wardrobes of the same kind?
- Ans** ☐ A. 170
☐ B. 172
☒ C. 168
☐ D. 164
- Q.47** Deepak and Esha invest ₹40,000 and ₹60,000 in a partnership, respectively. Deepak withdraws all his money after 6 months, while Esha keeps her money invested for the entire year. If the total profit at the end of the year is ₹22,000, find Deepak's share of the profit.
- Ans** ☐ A. ₹6,500
☐ B. ₹8,000
☒ C. ₹5,500
☐ D. ₹7,200
- Q.48** If the ratio of two numbers is 4 : 9, and their HCF is 34, then their LCM is:
- Ans** ☐ A. 1250
☐ B. 1214
☐ C. 1227
☒ D. 1224
- Q.49** If $A:B = 4:5$ and $B:C = 7:6$, find the value of $(2A + 3C):(4A - 3C)$.
- Ans** ☒ A. 73:11
☐ B. 15:7
☐ C. 63:10
☐ D. 48:13
- Q.50** The mean and median of 150 observations are 70 and 74, respectively. The value of the largest observation is 125. It was later found that it is 200 and not 125. What is the true value of mode?
- Ans** ☐ A. 92
☒ B. 81
☐ C. 78
☐ D. 84

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. VZD
 - ☒ B. YCZ
 - ☒ C. RVZ
 - ☒ D. QUY

Q.52 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) @ D 3 & R 7 T % H 2 \$ 6 K ! 5 J * 8 M 4 # (Right)

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

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

Q.53 Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) P A % U I 7 P # € A C 5 I M € A 1 9 % \$ 8 9 (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the left?

- Ans**
- ☒ A. I
 - ☒ B. U
 - ☒ C. P
 - ☒ D. #

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 – B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to K if 'M @ E – W % P # K'?

- Ans**
- ☒ A. Son's wife's father
 - ☒ B. Son's wife's brother
 - ☒ C. Wife's father
 - ☒ D. Wife's brother

Q.55 Each of A, B, C, D, M, N and O has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has an exam on Thursday. M has an exam on one of the days after B and on one of the days before A. N has an exam on one of the days after O but on one of the days before D. O has an exam on one of the days after C. How many people have exams between N and M?

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

Q.56 What should come in place of ? in the given series?
341 422 512 611 719 ?

- Ans** ☒ A. 877
☒ B. 836
☒ C. 886
☒ D. 785

Q.57 Seven friends, G, H, I, J, K, L and M, are sitting in a straight line, facing the north. G sits second to the left of M. J sits second to the right of I. Only one person sits to the right of M. L sits third to the left of H. 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. I and K
☒ B. H and M
☒ C. I and L
☒ D. J and G

Q.58 MPRT is related to NQSU in a certain way based on the English alphabetical order. In the same way, HJLN is related to IKMO. To which of the following is DFHJ related, following the same logic?

- Ans** ☒ A. FHJW
☒ B. EHJV
☒ C. EGIK
☒ D. FGIL

Q.59 Each of the digits in the number 6891245 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. 10
☒ C. 7
☒ D. 8

Q.60 This question is based on the given words.

ACT CRY ROW BOX

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.61 In a certain code language, 'TRAY' is coded as '8943' and 'RAYS' is coded as '3284'. What is the code for 'S' in the given code language?

- Ans** ☒ A. 9
☒ B. 3
☒ C. 4
☒ D. 2

Q.62 Refer to the following letter series and answer the question that follows. Counting to be done from left to right.

(Left) F A O S F Z K U K X A A W X Y Q E Z T A L E (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. 5
☒ B. 4
☒ C. 3
☒ D. 6

Q.63 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, the position of how many numbers will remain unchanged?

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

Q.64 A, B, C, D, E, F, and G are sitting around a circular table, facing the centre of the table. Only two people sit between B and C, when counted from the right of B. G sits third to the right of C. E sits third to the left of B. F sits to the immediate right of D. Who sits second to the right of A?

- Ans ☒ A. G
☒ B. D
☒ C. B
☒ D. F

Q.65 A, C, E, G, K and L live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. E lives on floor numbered 5. A lives on a floor above E. Only L lives below K. C lives on an even-numbered floor. How many people live between G and A?

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

Q.66 What should come in place of ? in the given series based on the English alphabetical order?

AKU FRV KYW PFX ?

- Ans ☒ A. VMY
☒ B. UNY
☒ C. VNY
☒ D. UMY

Q.67 103 is related to 10 following a certain logic. Following the same logic, 199 is related to 14. To which of the following is 147 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 14
☒ B. 12
☒ C. 13
☒ D. 15

Q.68 The position(s) of how many letters will remain unchanged if each letter in the word STAMPED is arranged in the English alphabetical order?

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

Q.69 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: EGI :: PRS : %

- Ans** ☒ A. # = KML , % = JLS
☒ B. # = ACD , % = TVX
☒ C. # = KMO , % = JLN
☒ D. # = WMO , % = JLP

Q.70 Each vowel in the word SPEWING is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

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

Q.71 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Ama, Bira, Curt, Dami and Ela are sitting around a circular table, facing the centre. Who sits to the immediate left of Ama?

(I) Ama sits second to the left of Dami. Bira is the immediate neighbour of Curt and Dami.

(II) Ama is the immediate neighbour of Curt and Ela. Bira sits to the immediate right of Dami.

- Ans** ☒ A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
☒ B. Data in statement I alone is sufficient to answer the question while data in statement II is not.
☒ C. Data in statements I and II together are NOT sufficient to answer the question.
☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

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 one that does not belong to that group?

- Ans**
- ☒ A. MOQ
 - ☒ B. EGI
 - ☒ C. CFI
 - ☒ D. UWY

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 laptops are cards.
No card is a table.

Conclusions:

(I) No laptop is a table.
(II) Some tables are cards.

- 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.74 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: FXG :: NTE : %

- Ans**
- ☒ A. # = DWH , % = PUD
 - ☒ B. # = EXI, % = QVG
 - ☒ C. # = DWH , % = OUF
 - ☒ D. # = EWJ, % = QVH

Q.75 12 is related to 94 following a certain logic. Following the same logic, 17 is related to 134. To which of the given options is 22 related, following the same logic?

(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.)

- Ans**
- ☒ A. 174
 - ☒ B. 186
 - ☒ C. 182
 - ☒ D. 179

Q.76 Each of Janki, Manvi, Swati, Priti, Rishi, Pinki and Tanvi has exam on a different day of a week starting from Monday and ending on Sunday of the same week.
Exactly two people have exam between Janki and Priti.
Only two people have exam between Rishi and Tanvi.
Exactly three people have exam between Swati and Pinki.
Swati has exam before Pinki.
Janki has exam on one of the days before Tanvi.
Only two people have exam after Priti.
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 one that does NOT belong to that group?

- Ans**
- ☐ A. Janki and Tanvi
 - ☐ B. Rishi and Swati
 - ☐ C. Priti and Pinki
 - ☒ D. Swati and Manvi

Q.77 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 513674, how many digits will appear more than once in the new number thus formed?

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

Q.78 In a certain code language, 'GAME' is coded as '3579' and 'MIND' is coded as '2438'. What is the code for 'M' in the given code language?

- Ans**
- ☐ A. 2
 - ☐ B. 7
 - ☒ C. 3
 - ☐ D. 4

Q.79 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$189 \times 9 \div 13 - 6 + 45 = ?$$

- Ans**
- ☐ A. 56
 - ☐ B. 52
 - ☐ C. 50
 - ☒ D. 54

Q.80 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'.

How is Vansh related to Kanav if 'Vansh @ Ram # Chetan % Divya \$ Kanav'?

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

Q.81 As of February 2026, which country joined Bangladesh and Costa Rica in endorsing the New Delhi Declaration on AI Impact, increasing the total number of signatories to 91 countries and international organisations?

- Ans**
- ✓ A. Guatemala
 - ✗ B. Argentina
 - ✗ C. Japan
 - ✗ D. Morocco

Q.82 According to the report released on February 4, 2026, what is the rank of India in the Network Readiness Index 2025 prepared by Portulans insititute based in Washington DC?

- Ans**
- ✗ A. 35th
 - ✓ B. 45th
 - ✗ C. 25th
 - ✗ D. 55th

Q.83 Which Indian cricketer was awarded the Padma Shri in 2026 for her outstanding contributions to the sport?

- Ans**
- ✗ A. Smriti Mandhana
 - ✗ B. Jhulan Goswami
 - ✓ C. Harmanpreet Kaur
 - ✗ D. Mithali Raj

Q.84 India was knocked out of the Thomas Cup semifinals in 2026 after a 0-3 defeat against which country in Horsens, Denmark?

- Ans**
- ✓ A. France
 - ✗ B. Denmark
 - ✗ C. Indonesia
 - ✗ D. Malaysia

Q.85 In June 2026, which international organization adopted the Convention concerning Decent Work in the Platform Economy (Convention No. 193) during its 114th session held in Geneva?

- Ans**
- ✗ A. World Health Organization (WHO)
 - ✓ B. International Labour Organization (ILO)
 - ✗ C. International Telecommunication Union (ITU)
 - ✗ D. International Organization for Migration (IOM)

Q.86 Which location is selected for the Asiatic Lion Conservation Programme as a part of the MoEFCC's thematic events, before the IBCA Summit 2026?

- Ans**
- ✗ A. Gangtok, Sikkim
 - ✗ B. Bhubaneswar, Odisha
 - ✓ C. Gir, Gujarat
 - ✗ D. Bhopal, Madhya Pradesh

Q.87 Which of the following had convened the first meeting of the High-Powered 'Education to Employment and Enterprise' Standing Committee proposed in the Finance Minister's Budget Speech for 2026-27?

- Ans**
- ✗ A. Department of Commerce
 - ✗ B. Ministry of Skill Development and Entrepreneurship
 - ✗ C. Ministry of Labour and Employment
 - ✓ D. NITI Aayog

Q.88 Mission MITRA undertaken by the Indian Space Research Organisation (ISRO) from April 02 to 09, 2026, to study crew performance under hypoxia, low temperature, and isolation conditions had been conducted in which place?

- Ans**
- ☒ A. Gangtok
 - ☒ B. Leh
 - ☒ C. Shimla
 - ☒ D. Manali

Q.89 Following the decision of the Monetary Policy Committee (MPC) of the Reserve Bank of India (RBI) in December 2025 to reduce the repo rate by 25 basis points, what is the current policy repo rate in India?

- Ans**
- ☒ A. 5.00 per cent
 - ☒ B. 5.50 per cent
 - ☒ C. 5.25 per cent
 - ☒ D. 5.75 per cent

Q.90 The Constitution (131st Amendment) Bill, initiated by the Government of India in April 2026, aims at accelerating the implementation of which Amendment Act to the Lok Sabha and State Assemblies before 2029?

- Ans**
- ☒ A. 108th Amendment Act
 - ☒ B. 104th Amendment Act
 - ☒ C. 110th Amendment Act
 - ☒ D. 106th Amendment Act

Q.91 On December 19, 2025, ISRO's LVM3-M6 mission successfully placed which satellite into its intended orbit?

- Ans**
- ☒ A. BlueBird Block-2 communication satellite
 - ☒ B. AST SpaceMobile weather observation satellite
 - ☒ C. India's GSAT-30 communication satellite
 - ☒ D. BlueBird Block-1 communication satellite

Q.92 In January 2026, NITI Aayog released decarbonisation roadmaps for which sectors?

- Ans**
- ☒ A. Tourism, fisheries, and textiles
 - ☒ B. Steel, shipping, and telecom
 - ☒ C. Aluminium, cement, and MSMEs
 - ☒ D. Banking, insurance, and aviation

Q.93 In March 2026, Australian swimmer Cameron McEvoy set a new men's 50m freestyle world record at the Australian Swimming Championships. What was his record-breaking time?

- Ans**
- ☒ A. 21.04 seconds
 - ☒ B. 20.76 seconds
 - ☒ C. 20.88 seconds
 - ☒ D. 20.91 seconds

Q.94 Asia's first UNESCO Chair on Gender Inclusion and Skill Development had been launched by Union Minister Jayant Chaudhary during the International Conference on "Women Leading the Future of Work" organised in collaboration with UNESCO at which institution in Pune on April 24, 2026?

- Ans**
- ☒ A. Savitribai Phule Pune University
 - ☒ B. College of Engineering Pune
 - ☒ C. MIT World Peace University
 - ☒ D. Symbiosis Skills and Professional University

Q.95 From which type of platform did DRDO launch the Agni-Prime missile during its successful test in September 2025?

- Ans**
- ☐ A. Submarine launcher
 - ☒ B. Rail-based mobile launcher
 - ☐ C. Road-mobile launcher
 - ☐ D. Sea-based launcher

Q.96 Which ministry had released the 27th edition of the publication titled "Women and Men in India 2025: Selected Indicators and Data" at the National Deliberative Summit on "Data for Development" in 2026?

- Ans**
- ☐ A. Ministry of Home Affairs, Government of India
 - ☐ B. Ministry of Women and Child Development, Government of India
 - ☒ C. Ministry of Statistics and Programme Implementation (MoSPI), Government of India
 - ☐ D. NITI Aayog, Government of India

Q.97 In April 2026, the publication titled "Women and Men in India 2025: Selected Indicators and Data" was released by which Ministry of the Government of India?

- Ans**
- ☐ A. Ministry of Home Affairs
 - ☒ B. Ministry of Statistics and Programme Implementation
 - ☐ C. Ministry of Women and Child Development
 - ☐ D. Ministry of Social Justice and Empowerment

Q.98 Vladimir Mestvirishvili of Georgia was posthumously awarded the Padma Shri in 2026 for his outstanding contribution to which of the following fields?

- Ans**
- ☐ A. Football coaching
 - ☒ B. Wrestling coaching
 - ☐ C. Hockey coaching
 - ☐ D. Athletics coaching

Q.99 Veteran corporate leader Uday Kotak was conferred with the prestigious Padma Bhushan award in 2026 under which specific category?

- Ans**
- ☐ A. Science and Engineering
 - ☐ B. Public Affairs
 - ☐ C. Social Work
 - ☒ D. Trade and Industry

Q.100 What was the official theme for National Maritime Day in 2026?

- Ans**
- ☐ A. Maritime India – Fueling Growth
 - ☒ B. Maritime India – Empowering Progress
 - ☐ C. Maritime India – Steering Transformation
 - ☐ D. Maritime India – Accelerating Prosperity



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Digimetrics
Test Date	17/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What do the raisins represent in Thomson's plum-pudding model of the atom?

- Ans**
- ☒ A. Electrons embedded in positively charge sphere
 - ☐ B. Protons and neutrons present in the atom
 - ☐ C. Electrons present in various orbits of atom
 - ☐ D. Neutrons spread out throughout the atom

Q.2 When hydrochloric acid reacts with sodium hydroxide to form sodium chloride and water, which type of reaction is primarily demonstrated?

- Ans**
- ☒ A. Double displacement reaction
 - ☐ B. Displacement reaction
 - ☐ C. Combination reaction
 - ☐ D. Redox reaction

Q.3 Which component is best represented by a symbol with multiple alternating long and short lines in a circuit diagram?

- Ans**
- ☐ A. A resistor of resistance R
 - ☐ B. An electric cell
 - ☐ C. Electric bulb
 - ☒ D. A battery or a combination of cells

Q.4 Which pair **CORRECTLY** matches the Greek root with its meaning?

- Ans**
- ☐ A. Pro — True
 - ☐ B. Chroma — Green
 - ☒ C. Leukos — White
 - ☐ D. Karyon — Wall

Q.5 Baking soda is commonly used in fire extinguishers because it releases a specific gas when heated. What is the gas released and how does it help extinguish fires?

- Ans**
- ☒ A. It releases carbon dioxide, which displaces oxygen and stops combustion
 - ☐ B. It releases oxygen, which smothers the fire and prevents it from spreading
 - ☐ C. It releases sulfur dioxide, which reacts with the flames
 - ☐ D. It releases nitrogen, which cools the burning material

Q.6 Which of the following properties is unique to the parallel combination of resistors compared to the series combination?

- Ans
- ☐ A. Total resistance equals sum of resistors
 - ☐ B. All resistors must be identical
 - ☒ C. Each resistor receives the same voltage
 - ☐ D. Current through each resistor is the same

Q.7 Food webs help in maintaining ecosystem stability because they:

- Ans
- ☐ A. stop energy flow
 - ☒ B. provide alternative food sources
 - ☐ C. reduce the number of consumers
 - ☐ D. increase competition

Q.8 Which of the following best describes uniform circular motion?

- Ans
- ☐ A. An object moving at a changing speed along a curved path
 - ☐ B. An object moving at a constant speed in a straight line
 - ☐ C. An object at rest in a circular path
 - ☒ D. An object moving at a constant speed along a circular path

Q.9 A science fair project uses a convex mirror to monitor a hallway. If a person stands at various distances from the mirror, what remains constant about the images formed, regardless of their position?

- Ans
- ☒ A. The images are always diminished and virtual
 - ☐ B. The images are always enlarged and real
 - ☐ C. The images are always magnified and behind the mirror
 - ☐ D. The images are always real and inverted

Q.10 The gas evolved when calcium reacts with water is:

- Ans
- ☐ A. Nitrogen
 - ☐ B. Carbon dioxide
 - ☐ C. Oxygen
 - ☒ D. Hydrogen

Q.11 What happens when hydrogen (H_2) is added to an alkene in the presence of a catalyst?

- Ans
- ☐ A. Alkene undergoes substitution
 - ☐ B. Alkene breaks down
 - ☒ C. Alkene converts into an alkane
 - ☐ D. Alkene forms an alcohol

Q.12 Which type of blood vessel is best suited for rapid exchange of gases and nutrients with body tissues?

- Ans
- ☐ A. Veins
 - ☐ B. Arteries
 - ☐ C. Lymph vessels
 - ☒ D. Capillaries

- Q.13** If the distance between two points on a straight line distance-time graph is 120 meters and the corresponding time interval is 4 seconds, what is the uniform speed?
- Ans** ☒ A. 60 m/s
☒ B. 15 m/s
☒ C. 24 m/s
☒ D. 30 m/s
- Q.14** Apart from the nucleus and plastids, which of the following organelle contains its own DNA?
- Ans** ☒ A. Mitochondrion
☒ B. Lysosome
☒ C. Golgi Apparatus
☒ D. Ribosome
- Q.15** What type of reaction occurs when ethanoic acid reacts with ethanol in the presence of an acid catalyst?
- Ans** ☒ A. Esterification reaction
☒ B. Neutralization reaction
☒ C. Combustion reaction
☒ D. Saponification reaction
- Q.16** How is the object distance measured in the sign convention for spherical lenses?
- Ans** ☒ A. It is measured from the focal point towards the position of the object.
☒ B. It is measured from the optical center towards the position of the object.
☒ C. It is measured from the optical center towards the position of the image.
☒ D. It is measured from the focal point towards the position of the image.
- Q.17** A stone of mass 0.5 kg is moving with a speed of 8 m/s. Its kinetic energy is _____.
- Ans** ☒ A. 64 J
☒ B. 16 J
☒ C. 128 J
☒ D. 32 J
- Q.18** Which of the following is an example of chemical energy?
- Ans** ☒ A. Energy from a stretched rubber band
☒ B. Energy from moving objects
☒ C. Energy from a spinning wheel
☒ D. Energy stored in food
- Q.19** A student observes that the image formed by a lens is twice the size of the object and is real. Where is the object placed relative to the lens?
- Ans** ☒ A. At 2F
☒ B. At F
☒ C. Between F and 2F
☒ D. Between 2F and infinity
- Q.20** A student is asked why solar panels are less efficient during early morning hours. Which electromagnetic property explains this observation?
- Ans** ☒ A. Earth's rotation increases intensity
☒ B. Sunlight is less intense at low angle
☒ C. Wavelength distribution changes
☒ D. Speed of light is reduced in air

Q.21 Why top-level consumers are most affected by biological magnification in a food chain?

- Ans
- ☐ A. They have the shortest lifespan in the ecosystem
 - ☐ B. They are primary producers and thus first to be exposed to toxins
 - ☐ C. They eat less quantity of food compared to others
 - ☒ D. They accumulate the highest concentration of toxins through the food chain

Q.22 Which factor must be considered before using a separating funnel for two liquids?

- Ans
- ☐ A. The liquids must have strong odors
 - ☒ B. The liquids must be immiscible
 - ☐ C. Both liquids have high boiling point
 - ☐ D. The liquids must have different colors

Q.23 Which of the following pairs correctly represents biodegradable and non-biodegradable substances, respectively?

- Ans
- ☐ A. Plastic – Cotton
 - ☐ B. Glass – Leaves
 - ☐ C. Metal – Food waste
 - ☒ D. Paper – Plastic

Q.24 Which of the following is NOT a property typically associated with most covalent compounds of carbon?

- Ans
- ☐ A. They have low boiling points
 - ☒ B. They are good conductors of electricity
 - ☐ C. Carbon forms covalent bonds with other carbon atoms
 - ☐ D. They have low melting points

Q.25 Two specimens: one has undifferentiated body living in water, the other has true roots, stems, and leaves. Which of the following correctly matches them with their classes?

- Ans
- ☐ A. Bryophyta and Angiosperm
 - ☒ B. Thallophyta and Pteridophyta
 - ☐ C. Bryophyta and Thallophyta
 - ☐ D. Pteridophyta and Gymnosperm

Section : Mathematics

Q.26 What is the area of a triangle with side lengths of 13 cm, 14 cm, and 15 cm?

- Ans
- ☒ A. 84 cm^2
 - ☐ B. 104 cm^2
 - ☐ C. 114 cm^2
 - ☐ D. 94 cm^2

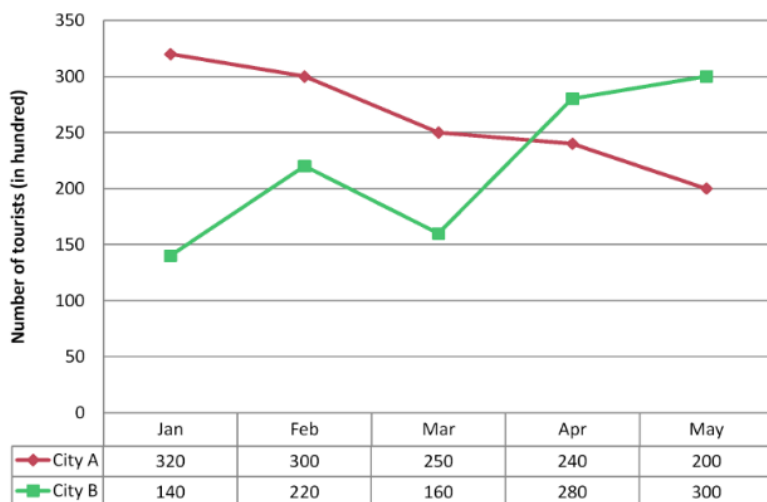
Q.27 The radius and area of the sector of a circle are 54 cm and $405\pi \text{ cm}^2$, What is the length of the corresponding arc of the sector?

- Ans
- ☐ A. $810\pi \text{ cm}$
 - ☒ B. $15\pi \text{ cm}$
 - ☐ C. $876\pi \text{ cm}$
 - ☐ D. $745\pi \text{ cm}$

- Q.28** The mean and the mode of a set of data are 44.4 and 49.7, respectively. Find the median of the data, using the empirical formula. (Round off to one decimal place)
- Ans** ☒ A. 47.8
☒ B. 47.7
☒ C. 47.4
☒ D. 46.2
- Q.29** Two bells ring at intervals of 9 minutes and 10 minutes, respectively. If they ring together at 8:00 AM, after how many minutes will they next ring together again?
- Ans** ☒ A. 90 minutes
☒ B. 45 minutes
☒ C. 60 minutes
☒ D. 100 minutes
- Q.30** A tap can fill a cistern in 10 hours and another tap can empty it in 20 hours. If both taps are opened, the time (in hours) taken to fill the tank will be:
- Ans** ☒ A. 20 hours
☒ B. 30 hours
☒ C. 15 hours
☒ D. 18 hours
- Q.31** $(x + 3)^2$ is equal to:
- Ans** ☒ A. $x^2 + 6x + 3$
☒ B. $x^2 + 3x + 9$
☒ C. $x^2 + 9x + 6$
☒ D. $x^2 + 6x + 9$
- Q.32** From the top of a vertical tower of height 75 m, the angle of depression of the foot of a building is 60° , and the angle of depression of the top of the building is 30° . If the average of the heights of the tower and the building equals the height of a pole, what is the height of the pole?
- Ans** ☒ A. 62.5 m
☒ B. 65 m
☒ C. 55.5 m
☒ D. 60 m
- Q.33** A shopkeeper marks an article 20% above the cost price and then allows a 15% discount on the marked price. What is the overall profit or loss percentage?
- Ans** ☒ A. 2% profit
☒ B. 4% profit
☒ C. 4% loss
☒ D. 1% loss
- Q.34** If 36 is subtracted from a number, it reduces to 90% of the original number. What is the number?
- Ans** ☒ A. 480
☒ B. 360
☒ C. 840
☒ D. 630

- Q.35** The given line graph shows the number of tourists (in hundreds) in two different cities, A and B, over five different months of the year 2018.

Study the line graph and answer the question that follows.



What is the ratio of the total number of tourists in City A in February and March to the total number of tourists in City B in the same months?

- Ans** ☒ A. 38 : 47
☒ B. 59 : 65
☒ C. 55 : 38
☒ D. 71 : 80

- Q.36** Find the simple interest (in ₹) on ₹1,200 at an interest rate of 6% per month in 12 months.

- Ans** ☒ A. 144
☒ B. 92
☒ C. 72
☒ D. 864

- Q.37** A sum of ₹2,000 is invested for 3 years at 5% per annum. Find the difference between the compound interest and the simple interest (in ₹), if the interest is compounded annually.

- Ans** ☒ A. 10.25
☒ B. 15.25
☒ C. 5.25
☒ D. 20.25

- Q.38** 30 students can complete a task in 10 days working for 4 hours a day. In how many days will 80 students working 3 hours a day will complete the work?

- Ans** ☒ A. 6 days
☒ B. 4 days
☒ C. 8 days
☒ D. 5 days

- Q.39 7600 bricks, each measuring $P \text{ cm} \times 12.5 \text{ cm} \times 7.5 \text{ cm}$, are required to build a wall. If the cement and sand mixture occupies $\frac{1}{20}$ of the volume of the wall, find the value of P .
- Ans ☒ A. 25
☒ B. 20
☐ C. 27.5
☐ D. 22.5
- Q.40 What is the least value that must be assigned to A so that the 8-digit number 109A7760 is divisible by 16?
- Ans ☐ A. 5
☒ B. 0
☐ C. 2
☐ D. 4
- Q.41 The fourth proportional to three numbers is 36. The first two numbers are 8 and 12. Find the third number.
- Ans ☐ A. 18
☐ B. 21
☒ C. 24
☐ D. 28
- Q.42 At the start of the year, A invested ₹12,000 and B invested ₹18,000 in a business. At the end of the year, the profit is ₹15,000. What is B's share (in ₹) in the profit?
- Ans ☒ A. 9,000
☐ B. 8,000
☐ C. 7,000
☐ D. 6,000
- Q.43 What will be the amount after 1 year, if ₹1800 is invested at 20% compound interest per annum, compounded half-yearly?
- Ans ☐ A. ₹2659
☒ B. ₹2178
☐ C. ₹1974
☐ D. ₹3012
- Q.44 The following scores were recorded in a test: 70, 85, 90, 90, 95, 100. If the highest score (100) is removed, what is the new median?
- Ans ☐ A. 95
☐ B. 70
☒ C. 90
☐ D. 85
- Q.45 Two trains are travelling toward each other on parallel tracks. The first train is 430 metres long and travels at a speed of 120 km/h. The second train is 570 metres long and travels at a speed of 85 km/h. The distance between the two trains when they start is 20 km. Find out how much time it will take for the two trains to completely pass each other (rounded off to the nearest second).
- Ans ☐ A. 393 seconds
☒ B. 369 seconds
☐ C. 343 seconds
☐ D. 389 seconds

Q.46 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 85% and 18%, shop II allows successive discounts of 84% and 34%, shop III allows successive discounts of 52% and 11% and shop IV allows successive discounts of 84%, 31% and 94% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. IV
☐ B. I
☐ C. II
☐ D. III

Q.47 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. 3%
☐ B. 1%
☒ C. 6%
☐ D. 2%

Q.48 The angle of elevation of the top of a tower from two points on opposite sides of the tower are 30° and 60° . If the distance between the two points is 54 m, find the height of the tower.

- Ans** ☐ A. $14.6\sqrt{3}$ m
☐ B. $12.4\sqrt{3}$ m
☐ C. $15.8\sqrt{3}$ m
☒ D. $13.5\sqrt{3}$ m

Q.49 Buses leave a depot every 15 minutes and run along a straight highway at a constant speed of 16 km/h. A cyclist is riding towards the depot from the opposite direction on the same highway. He observes that buses cross him at regular intervals of 12 minutes. Assuming both maintain uniform speeds, what is the speed (in km/h) of the cyclist?

- Ans** ☒ A. 4
☐ B. 7
☐ C. 5
☐ D. 6

Q.50 The average temperature of first 3 days in a week was 36°C and the average temperature of this week was 35°C . Then the average temperature of last 4 days in this week was:

- Ans** ☐ A. 34°C
☐ B. 35°C
☐ C. 35.5°C
☒ D. 34.25°C

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. QL – VW
☒ B. KE – PQ
☐ C. MH – RS
☐ D. XS – CD

Q.52 Mr. Nit ranked 58th from the bottom and 37th from the top in his class. How many students are there in his class?

- Ans ☐ A. 91
☐ B. 95
☒ C. 94
☐ D. 93

Q.53 8 is related to 256 following a certain logic. Following the same logic, 10 is related to 400. To which of the given options is 12 related, following the same logic?

- Ans ☐ A. 484
☒ B. 576
☐ C. 676
☐ D. 529

Q.54 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

GK-DI-BE
KO-HM-FI

- Ans ☐ A. PS-LQ-JN
☒ B. OS-LQ-JM
☐ C. OS-LQ-JN
☐ D. PS-LR-JN

Q.55 In a certain code language, 'CHIP' is coded as '6318' and 'PICK' is coded as '8162'. What is the code for 'H' in the given code language?

- Ans ☐ A. 6
☐ B. 2
☐ C. 1
☒ D. 3

Q.56 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$199 \div 47 - 4 + 63 \times 9 = ?$$

- Ans ☐ A. 386
☐ B. 382
☒ C. 380
☐ D. 389

Q.57 Refer to the given 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 \$ 7 £ £ 4 9 © \$ © & 8 & \$ 3 1 7 © 4 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. 4
☐ C. 2
☐ D. 5

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

97, 80, 65, 52, 41, ?

- Ans** ☐ A. 28
☐ B. 36
☒ C. 32
☐ D. 29

Q.59 Each letter in the word FRIEND is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

- Ans** ☐ A. H
☐ B. M
☒ C. E
☐ D. Q

Q.60 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: III :: MNO : %

- Ans** ☐ A. # = FGH, % = PPR
☐ B. # = FGH, % = PPQ
☒ C. # = FGH, % = PPP
☐ D. # = FGH, % = PPS

Q.61 This question is based on the following words.

(left) MILE HAED LEAP PEEK (right)

How many letters in the English alphabetical order are there between the third letter of the first word from the left and the fourth letter of the second word from the right?

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

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 kiwis are bananas.
All bananas are apples.

Conclusions:

(I) All kiwis are apples.
(II) Some apples are bananas.

- 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.63 A, C, E, G, K and L live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. A lives on the topmost floor. Only three people live between A and L. G lives on a floor below L. E lives on an even numbered floor. K lives on an odd-numbered floor but not on floor number 5. How many people live between C and L?

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

Q.64 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. HJL
 - ☒ B. KMP
 - ☐ C. ACE
 - ☐ D. QSU

Q.65 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five trees, N, O, R, S and T each having a different height, which tree is the tallest?

(I) S is shorter than R

(II) N is taller than R

- Ans**
- ☐ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☒ B. Both statements I and II together are NOT sufficient to answer the question
 - ☐ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☐ D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q.66 This question is based on the following words:

CRY FIN BUG ASK

In each word, every vowel is replaced by the next letter in the English alphabetical order, and every consonant is replaced by the preceding letter.

How many of the resulting letter clusters contain no vowels?

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

Q.67 Each vowel in the word NAMEBOARDS is changed to the second letter following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans
- ☒ A. Z
 - ☒ B. B
 - ☒ C. P
 - ☒ D. Q

Q.68 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$38 \times 46 \div 46 + 14 - 19 = ?$$

- Ans
- ☒ A. 43
 - ☒ B. 45
 - ☒ C. 41
 - ☒ D. 44

Q.69 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 sister of B'

A ! B means 'A is the wife of B'

Based on the above, how is D related to R if 'D = O ! W + E ÷ R'?

- Ans
- ☒ A. Brother's wife's mother
 - ☒ B. Brother's wife's father
 - ☒ C. Brother's wife's brother
 - ☒ D. Brother's wife's sister

Q.70 A, B, C, D, E and F are sitting around a circular table, facing the centre. F sits second to the left of D. B is an immediate neighbour of C. C sits to the immediate right of E. A sits second to the left of E. What is the position of F with respect to B?

- Ans
- ☒ A. Second to the right
 - ☒ B. Third to the left
 - ☒ C. Immediate right
 - ☒ D. Second to the left

Q.71 H is the mother of U. U is the sister of N. M is the father of K. K is the husband of N. How is K related to H?

- Ans
- ☒ A. Brother
 - ☒ B. Daughter's husband
 - ☒ C. Father
 - ☒ D. Daughter's son

Q.72 What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

HOD KSG NWJ QAM ?

- Ans**
- ☐ A. UEQ
 - ☐ B. SFP
 - ☐ C. SDO
 - ☒ D. TEP

Q.73 There are 45 students in a row facing north. Kiran is 18th from the left and Simran is 20th from the right. How many students are standing between Kiran and Simran?

- Ans**
- ☐ A. 6
 - ☐ B. 8
 - ☐ C. 5
 - ☒ D. 7

Q.74 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

4 – 10 – 21 – 35 ;

5 – 13 – 27 – 41

- Ans**
- ☐ A. 6 – 16 – 33 – 49
 - ☒ B. 8 – 22 – 45 – 59
 - ☐ C. 10 – 28 – 56 – 70
 - ☐ D. 7 – 19 – 39 – 25

Q.75 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$(14 \div 2) + (27 \times 3) - 15 - 6 + 2 = ?$

- Ans**
- ☐ A. 31
 - ☐ B. 58
 - ☒ C. 38
 - ☐ D. 46

Q.76 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DKO : FFK

BNR : DIN

- Ans**
- ☐ A. CRW : CMR
 - ☒ B. MHL : OCH
 - ☐ C. KHL : MBH
 - ☐ D. OSX : QNS

Q.77 In a certain code language, 'love in air' is coded as 'ps vj uh' and 'poor air quality' is coded as 'ct cs ps'. How is 'air' coded in the given language? (All codes are two-letter codes)

- Ans**
- ☐ A. ct
 - ☐ B. uh
 - ☐ C. vj
 - ☒ D. ps

Q.78 B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

S sits to the immediate right of E. Only three people sit between S and D when counted from the left of S. Only three people sit between E and B. W sits to the immediate right of T.

How many people sit between E and T when counted from the right of T?

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

Q.79 Refer to the given letter series and answer the question that follows.

(Left)

B H J M N N A R A Y A N S H A M B H U G A Y I T R I M N T R (Right)

How many letters are there in the English alphabetical order between the letters that are tenth from the right end and third from the left end of the series?

- Ans**
- ☒ A. Eight
 - ☐ B. Two
 - ☐ C. Fourteen
 - ☐ D. None

Q.80 Refer to the given letter series and answer the question that follows.

(Left)K A M A L K I S H O R E K A P I L P O O M N A K A M I I N (Right)

How many letters are there in the English alphabetical order between the letters that are seventh from the right end and fifth from the left end of the series?

- Ans**
- ☐ A. Eight
 - ☒ B. Ten
 - ☐ C. Eleven
 - ☐ D. Nine

Section : General Awareness and Current Affairs

Q.81 At the inaugural National Indoor Athletics Championships held in Bhubaneswar in March 2026, what national-best timing did Gurindervir Singh clock while winning the men's 60-m event?

- Ans**
- ☐ A. 5.65 seconds
 - ☐ B. 7.65 seconds
 - ☒ C. 6.60 seconds
 - ☐ D. 6.65 seconds

Q.82 Between 21 February and 1 March 2026, DRDO and the Indian Navy successfully conducted four in-flight release trials of which indigenous system?

- Ans**
- ✓ A. Air-Droppable Container (ADC-150)
 - ✗ B. Astra Mk-II missile
 - ✗ C. Pinaka Multi-Barrel Rocket Launcher
 - ✗ D. Akash-NG missile

Q.83 India's updated climate commitment for 2035 includes which emissions-intensity target?

- Ans**
- ✗ A. Achieving complete industrial decarbonisation by the year 2035
 - ✗ B. Cutting agricultural methane emissions by 75% nationwide
 - ✗ C. Reducing fossil fuel consumption by 90% from 2020 levels
 - ✓ D. Reducing emissions intensity of GDP by 47% from 2005 levels

Q.84 Who had set a national men's pole vault record of 5.41 m at the inaugural Indian Indoor Open Combined Events and Pole Vault Competition held in Bhubaneswar?

- Ans**
- ✓ A. Kuldeep Kumar
 - ✗ B. Dev Kumar Meena
 - ✗ C. Reegan G
 - ✗ D. Siva Subramani

Q.85 For which defence organization Rajesh Kumar Singh is serving as Chairman as of May 2026?

- Ans**
- ✗ A. Central Reserve Police Force (CRPF)
 - ✗ B. Indian Air Force (IAF)
 - ✗ C. Indian Navy (IN)
 - ✓ D. Defense Research and Development Organization (DRDO)

Q.86 Which city hosted the 2nd Shanghai Co-operation Organisation (SCO) Young Authors' Conference from September 25 to 26, 2025?

- Ans**
- ✗ A. Beijing
 - ✓ B. New Delhi
 - ✗ C. Tashkent
 - ✗ D. Astana

Q.87 The theme of National Youth Day 2026 was 'Ignite the Self, Impact the World'. This day marks the birth anniversary of whom?

- Ans**
- ✗ A. Rabindranath Tagore
 - ✗ B. Sri Aurobindo
 - ✗ C. Netaji Subhas Chandra Bose
 - ✓ D. Swami Vivekananda

Q.88 At which championship had India created history by winning five medals in May 2026, including gold in the men's category through Amar Singh Devanda in Japan?

- Ans**
- ✗ A. Asian Athletics Championships
 - ✗ B. World Ultrarunning Championships
 - ✓ C. International Association of Ultrarunners 24-Hour Asia and Oceania Championships
 - ✗ D. Asian Endurance Running Championships

Q.89 As per Union Budget 2025-26, how many Atal Tinkering Labs are to be set up in Government schools in the next 5 years?

- Ans**
- ☐ A. 60,000
 - ☐ B. 70,000
 - ☐ C. 80,000
 - ☒ D. 50,000

Q.90 Which film, directed by Neeraj Ghaywan and submitted as India's entry to the Academy Awards, swept the 8th Critics' Choice Awards 2026 by winning Best Film, Best Director, and Best Actor?

- Ans**
- ☐ A. All We Imagine as Light
 - ☐ B. Black Warrant
 - ☐ C. Dhurandhar
 - ☒ D. Homebound

Q.91 In January 2026, FIFA announced prize money for the winners of the inaugural Women's Champions Cup. What is the amount awarded to the champions?

- Ans**
- ☒ A. \$2.3M
 - ☐ B. \$3.0M
 - ☐ C. \$4.0M
 - ☐ D. \$1.5M

Q.92 Anutin Charnvirakul, who was reconfirmed by parliament as Prime Minister in March 2026 following the electoral victory of the Bhumjaithai Party, became the Prime Minister of which Southeast Asian country?

- Ans**
- ☐ A. Indonesia
 - ☐ B. Malaysia
 - ☒ C. Thailand
 - ☐ D. Vietnam

Q.93 Which of the following institution's P-Quest Group developed India's first indigenous Quantum Diamond Microscope (QDM) in November 2025?

- Ans**
- ☐ A. TIFR Mumbai
 - ☒ B. IIT Bombay
 - ☐ C. IIT Delhi
 - ☐ D. IISc Bengaluru

Q.94 As per the 2026 NITI Aayog report, which sector was identified as the largest contributor to India's greenhouse gas emissions, prompting targeted emission reduction strategies?

- Ans**
- ☐ A. Industrial manufacturing and processing
 - ☐ B. Transportation systems and logistics
 - ☐ C. Agriculture and allied activities
 - ☒ D. Energy production including coal-based power plants

Q.95 In April 2026, the Mahanadi Water Disputes Tribunal was associated with a dispute involving which pair of states?

- Ans**
- ☐ A. Telangana and Karnataka reservoir usage
 - ☐ B. Punjab and Haryana canal allocation
 - ☒ C. Odisha and Chhattisgarh water sharing
 - ☐ D. Gujarat and Maharashtra irrigation planning

Q.96 On 26th May 2026, the Supreme Court (SaveLIFE Foundation & Anr. vs Union of India & Ors.) ruled that access to trauma and emergency care is an integral part of the Right to Life under _____.

- Ans**
- ☐ A. Article 11 of the Indian constitution
 - ☐ B. Article 41 of the Indian constitution
 - ☒ C. Article 21 of the Indian constitution
 - ☐ D. Article 31 of the Indian constitution

Q.97 In January 2026, the Padma Awards were officially announced on the occasion of which national event?

- Ans**
- ☐ A. Constitution Day
 - ☒ B. Republic Day
 - ☐ C. National Civilian Day
 - ☐ D. National Unity Day

Q.98 In May 2026, which online portal was launched by the India Semiconductor Mission (ISM) to provide information on government schemes, policies, approved projects under the Semicon India Programme, and regulatory requirements for investors in the semiconductor sector?

- Ans**
- ☐ A. Invest India Semicon
 - ☐ B. Semiconductor Connect
 - ☐ C. Digital Semiconductor Portal
 - ☒ D. Investors Support

Q.99 At the 98th Academy Awards 2026, which actor won the 'Best Actor' award for his performance in the film "Sinners", securing his first Academy Award victory?

- Ans**
- ☐ A. Wagner Moura
 - ☐ B. Leonardo DiCaprio
 - ☐ C. Timothée Chalamet
 - ☒ D. Michael B. Jordan

Q.100 According to the PLFS Annual Report 2025 (released in March 2026), what was the unemployment rate among youth aged 15–29 years in India under the usual status (ps+ss) approach?

- Ans**
- ☐ A. 14.8%
 - ☒ B. 9.9%
 - ☐ C. 7.9%
 - ☐ D. 12.4%



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON DIGITAL Zone iDZ University Camp Area
Test Date	18/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following best describes the motion of a car traveling at a constant speed around a circular track?

- Ans**
- ☒ A. The car experiences non-uniform motion because it moves along a curved path at constant speed.
 - ☒ B. The car moves with uniform circular motion because its speed is constant, but its direction changes continuously.
 - ☐ C. The car moves in a straight line at constant speed since its direction never changes.
 - ☐ D. The car moves with uniform motion as its velocity remains constant in both magnitude and direction.

Q.2 A doctor is preparing a cast for a fractured arm. Why is Plaster of Paris preferred over cement or lime for this purpose?

- Ans**
- ☒ A. It sets quickly and forms a hard, supportive mass
 - ☐ B. It produces heat when mixed with water
 - ☐ C. It is heavier than cement
 - ☐ D. It is more colorful

Q.3 Why do oxidation and reduction reactions always occur together in chemical changes?

- Ans**
- ☐ A. Reaction must be balanced
 - ☐ B. Energy conservation law demands it
 - ☒ C. One substance loses what another gains
 - ☐ D. Products must be neutral

Q.4 Why do plants need a specialized transportation system for water and minerals?

- Ans**
- ☐ A. Because diffusion does not occur in plants
 - ☒ B. Because diffusion alone is insufficient for large distances in tall plants
 - ☐ C. Because plants have high energy needs like animals
 - ☐ D. Because plants move and need rapid transport throughout the body

Q.5 Which property of alcohol makes it suitable for use as an alternative fuel in vehicles?

- Ans**
- ☐ A. It is a gaseous fuel.
 - ☐ B. It is heavier than petrol.
 - ☐ C. It has a lower boiling point than water.
 - ☒ D. It burns cleanly, producing less smoke and harmful gases.

Q.6 A force of 7 N acts on an object, displacing it through 8 m in the direction of the force. What is the work done?

- Ans**
- ☐ A. 15 J
 - ☐ B. 27 J
 - ☒ C. 56 J
 - ☐ D. 1 J

Q.7 A car driver uses a rear-view mirror to observe vehicles behind. If the mirror were replaced with a concave mirror of the same size, which of the following is the most likely consequence for the image of a car far behind?

- Ans**
- ☒ A. The image would appear inverted and could be larger or smaller depending on the position
 - ☐ B. The image would always be virtual, erect, and diminished
 - ☐ C. The image would always be virtual, erect, and magnified
 - ☐ D. The image would always be virtual, inverted, and diminished

Q.8 Which of the following is a correct property of a colloidal solution?

- Ans**
- ☐ A. The solute settles down after some time.
 - ☒ B. The particles scatter a beam of light.
 - ☐ C. The solute can be separated by filtration.
 - ☐ D. The solute particles are invisible under a microscope.

Q.9 In a generator, what would be the result if the coil is rotated at double the original speed in the same magnetic field?

- Ans**
- ☒ A. The induced potential difference will be twice as large
 - ☐ B. The resistance of the coil will halve
 - ☐ C. The direction of current will reverse
 - ☐ D. The magnetic field strength will double

Q.10 Read the following statements carefully and choose the correct option:

Assertion (A): Coal was formed from trees and plants buried under earth millions of years ago.

Reason (R): Heat and pressure over time converted the remains of plants into coal.

- 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.11 An object is placed 15 cm from a concave lens of focal length 10 cm. What is the nature and position of the image formed by the lens?

- Ans**
- ☐ A. The image is real, upright and 8 cm from the lens on the same side as the object
 - ☐ B. The image is real, inverted and 20 cm from the lens on the opposite side to the object
 - ☐ C. The image is virtual, inverted and 12 cm from the lens on the opposite side to the object
 - ☒ D. The image is virtual, upright and 6 cm from the lens on the same side as the object

Q.12 A clinical botanist is required to identify a plant to its family. Which of the following taxonomic ranks is immediately higher than family in the classification hierarchy?

- Ans**
- ☐ A. Cultivar
 - ☐ B. Genus
 - ☒ C. Order
 - ☐ D. Species

- Q.13 Complete the analogy.**
Ribosomes : Protein Synthesis :: Mitochondria : _____.
- Ans** ☒ A. Cell Division
☒ B. Energy Production
☒ C. Waste Removal
☒ D. DNA Replication
- Q.14 When the length of a wire is doubled while keeping material and area of cross-section constant, what happens to its resistance?**
- Ans** ☒ A. The resistance remains unchanged
☒ B. The resistance becomes half
☒ C. The resistance becomes four times as much
☒ D. The resistance becomes twice as much
- Q.15 The average atomic mass of chlorine atom, based on the given isotopic ratio and masses, is ____.**
- Ans** ☒ A. 36 u
☒ B. 37 u
☒ C. 35.5 u
☒ D. 34.5 u
- Q.16 Which of the following cell structures is mainly responsible for providing support and maintaining the shape of eukaryotic cells?**
- Ans** ☒ A. DNA
☒ B. Cell Sap
☒ C. Nucleoid
☒ D. Cytoskeleton
- Q.17 Which of the following best describes the effect of excessive reverberation in a large auditorium during a speech?**
- Ans** ☒ A. It causes spoken words to overlap and become unclear to the audience.
☒ B. It improves the quality of music by making it sharper and more distinct.
☒ C. It increases the volume of the speaker's voice for everyone present.
☒ D. It allows the audience to hear sound for a shorter duration than intended.
- Q.18 Which group of organisms depends solely and directly on producers for food?**
- Ans** ☒ A. Herbivores
☒ B. Omnivores
☒ C. Carnivores
☒ D. Decomposers
- Q.19 The importance of valency in forming chemical formulae lies in:**
- Ans** ☒ A. Determining how atoms of elements combine with each other
☒ B. Predicting the energy released during compound formation
☒ C. Identifying the molecular geometry using bonding angles only
☒ D. Measuring the reactivity rate of atoms in gaseous condition
- Q.20 If peristaltic movements in the oesophagus were disrupted, what would most likely happen to the food after it is chewed and swallowed?**
- Ans** ☒ A. Saliva would increase
☒ B. Food would be digested faster
☒ C. Food would not move efficiently to the stomach
☒ D. Starch would be broken down more quickly

- Q.21** A wildlife reserve in the Western Ghats is losing forest cover rapidly. Which statement best explains why this region is a global conservation priority?
- Ans** ☐ A. It is a vast region with only widely distributed species
☐ B. It is a dry desert ecosystem that has few species
☐ C. It is a crucial path used by migratory birds
☒ D. It is a biodiversity hotspot with many endemic species
- Q.22** A factory manager is comparing two machines that perform the same task. Machine A takes more time to complete the task than Machine B. Based on the definition of power, which factor should the manager consider to determine which machine is more powerful?
- Ans** ☐ A. The mass of each machine
☐ B. The amount of energy used by each machine
☒ C. The rate at which each machine does work
☐ D. The total work done by each machine
- Q.23** Why does galvanisation protect iron even when the zinc layer is damaged?
- Ans** ☐ A. Zinc increases iron hardness
☐ B. Zinc reacts faster with water
☐ C. Zinc prevents oxygen contact
☒ D. Zinc corrodes preferentially
- Q.24** What is the main purpose of making urine in animals?
- Ans** ☐ A. Produce hormones
☐ B. Store energy for future use
☒ C. Remove harmful metabolic wastes
☐ D. Digest and absorb food
- Q.25** A runner moves 60 meters north and then 80 meters south in 20 seconds. Which statement is correct about her average speed and average velocity?
- Ans** ☐ A. Average speed is zero
☐ B. Average speed equals average velocity
☒ C. Average speed is greater than average velocity
☐ D. Average speed is less than average velocity

Section : Mathematics

- Q.26** A mixture of chemicals contains chemical X and chemical Y. If 3 L of chemical Y is added, chemical X becomes 40%. If 3 L of chemical X is added instead, chemical X becomes 50%. Find the initial quantity of the mixture.
- Ans** ☒ A. 27 L
☐ B. 21 L
☐ C. 22 L
☐ D. 25 L
- Q.27** Which of the following pairs of numbers are co-prime?
- Ans** ☐ A. 30, 201
☐ B. 48, 111
☒ C. 119, 239
☐ D. 49, 217

Q.28 The radius of a cylinder is increased by $33\frac{1}{3}\%$ and its height is decreased by $x\%$ such that the volume of the cylinder remains unchanged. Find x .

- Ans
- ☐ A. 41.25
 - ☐ B. 42.5
 - ☒ C. 43.75
 - ☐ D. 44.15

Q.29 The population of a city is increased from 64,000 to 93,500 in a year. Calculate the percentage increase in the population (rounded off to two decimal places).

- Ans
- ☐ A. 46.39%
 - ☐ B. 46.56%
 - ☐ C. 46.64%
 - ☒ D. 46.09%

Q.30 Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 24 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

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

Q.31 A train running at 63 km/h takes 30 sec to pass a platform. Next it takes 18 sec to pass a man cycling at 9 km/h in the same direction in which the train is going. The ratio of the length of the train to the length of the platform is:

- Ans
- ☐ A. 10 : 9
 - ☒ B. 18 : 17
 - ☐ C. 8 : 7
 - ☐ D. 21 : 19

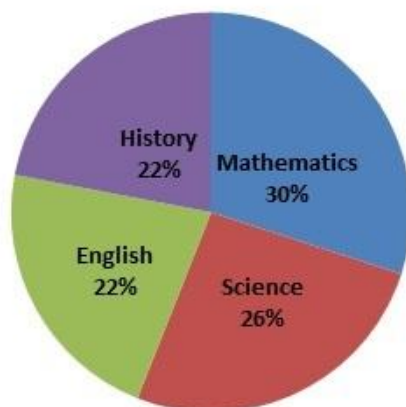
Q.32 If the mean of the following data is 49, then what is the value of x ?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	50	42	37	41	x

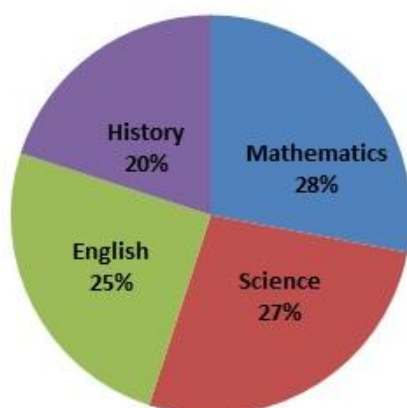
- Ans
- ☐ A. 587
 - ☐ B. 547
 - ☐ C. 559
 - ☒ D. 565

- Q.33 The given pie charts show details of two schools A and B, which have 300 students and 200 students, respectively, and the percentage wise distribution of the favourite subjects of the students. Study the charts carefully and answer the question that follows.

School -A



School -B



Find the difference between the total number of students of school A whose favourite subjects are Mathematics or English, and the total number of students of school B whose favourite subjects are Science or English.

- Ans ☒ A. 38
☒ B. 52
☒ C. 43
☒ D. 49

- Q.34 A boat travels a certain distance. The ratio of the time taken by the boat to travel downstream to the time taken to travel upstream is 5:7. If the downstream speed is 21 km/h, find the speed of the boat in still water.

- Ans ☒ A. 12 km/h
☒ B. 9 km/h
☒ C. 18 km/h
☒ D. 13 km/h

Q.35 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 73% and 79%, shop II allows successive discounts of 49% and 32%, shop III allows successive discounts of 14% and 92% and shop IV allows successive discounts of 76%, 49%, and 55% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans
- ☐ A. I
 - ☐ B. III
 - ☐ C. II
 - ☒ D. IV

Q.36 Radhika invested ₹5,800 at compound interest, compounded annually, for 2 years. If the compound interest earned at the end of 2 years is ₹594.50, find the annual rate of interest.

- Ans
- ☐ A. 5.6%
 - ☐ B. 6.3%
 - ☐ C. 4%
 - ☒ D. 5%

Q.37 if $\sin A + \cos A = \sqrt{2}$, then the value of $\sin A - \cos A$ is:

- Ans
- ☒ A. 0
 - ☐ B. 0.75
 - ☐ C. -0.6
 - ☐ D. -0.75

Q.38 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 6% per month in 11 months.

- Ans
- ☐ A. 66
 - ☒ B. 792
 - ☐ C. 86
 - ☐ D. 132

Q.39 If $\sqrt{x^2 - 21^2} - \sqrt{7.29} = 17.3$, find the positive value of x.

- Ans
- ☐ A. 19
 - ☒ B. 29
 - ☐ C. 27
 - ☐ D. 21

Q.40 Given that $81^{0.4} = x$, $81^{0.78} = y$ and $x^z = y^2$, then the value of z is:

- Ans
- ☐ A. 1.9
 - ☒ B. 3.9
 - ☐ C. 2.9
 - ☐ D. 4.9

Q.41 The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 7% and savings increase by 21%, then by what percent does her income increase?

- Ans
- ☐ A. 6%
 - ☐ B. 3%
 - ☐ C. 5%
 - ☒ D. 1%

Q.42 Four litres of paint was required to paint the surface of a solid sphere. If 4 identical pieces were made of this solid sphere, then how many litres of paint would be required to paint all the surfaces of these 4 pieces?

- Ans ☐ A. 6
☐ B. 16
☒ C. 8
☐ D. 12

Q.43 A vendor sold 20 chocolates for one rupee and made a profit of 100%. How many chocolates did he originally purchase for one rupee?

- Ans ☐ A. 46
☐ B. 42
☐ C. 44
☒ D. 40

Q.44 Simplify the expression: $(x + 3)^2 - x^2 - 9 - 6x$

- Ans ☐ A. $6x$
☒ B. 0
☐ C. $3x$
☐ D. 9

Q.45 If the length of the arc of a circle whose diameter is 14 cm is $3\frac{2}{3}$ cm,

- Ans ☐ A. $\frac{77}{2}$
☐ B. $\frac{77}{9}$
☒ C. $\frac{77}{3}$
☐ D. $\frac{77}{5}$

Q.46 A bank offers 6.9% compound interest per annum calculated on a half-yearly basis. A customer deposits ₹9,688 each on 1 January and 1 July of a year. At the end of the year, the amount he would have gained by way of interest is _____.
(Round your answer to the nearest paise.)

- Ans ☐ A. ₹1,021.44
☐ B. ₹1,025.70
☒ C. ₹1,014.24
☐ D. ₹1,022.06

Q.47 Three friends, Amit, Sumit, and Rohit, invested ₹4,000, ₹6,000, and ₹8,000, respectively, to start a business. At the end of the year, they made a profit of ₹9,000. What is Sumit's share in the profit?

- Ans ☐ A. ₹2,000
☐ B. ₹4,000
☐ C. ₹4,500
☒ D. ₹3,000

Q.48 Calculate the mean from the following items.

163, 141, 155, 175, 186

- Ans ☐ A. 162
☒ B. 164
☐ C. 160
☐ D. 166

Q.49 A long-distance train has passengers in first class, second class, and sleeper class in the ratio 2 : 3 : 5. The ticket fares for these three classes are in the ratio 8 : 7 : 3. If the total revenue collected from ticket sales is ₹96,200, find the amount of revenue generated from second-class tickets.

- Ans ☐ A. ₹42,600
☐ B. ₹39,800
☐ C. ₹42,000
☒ D. ₹38,850

Q.50 If A is an acute angle, what is the value of the following expression?

$$\frac{1 + \cos A}{1 - \cos A} - 2 \cot A \operatorname{cosec} A$$

- Ans ☐ A. $\cot^2 A$
☐ B. $\operatorname{cosec}^2 A$
☐ C. $\operatorname{cosec}^2 A - \cot^2 A$
☒ D. $\operatorname{cosec}^2 A + \cot^2 A$

Section : General Intelligence and Reasoning

Q.51 In a queue with total 18 students standing facing north, one behind the other, there were 4 students behind Rahul. What was Rahul's position from the front of the queue?

- Ans ☐ A. 12th
☒ B. 14th
☐ C. 15th
☐ D. 13th

Q.52 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) G Ω M % I # D K \$ H E ∩ E S ± E % U \$ Z % U S # V (Right)

How many such symbols are there, which are immediately preceded by a vowel and also immediately followed by consonant?

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

Q.53 This question is based on the following words.

SYE GEM TAP KIT

In each of the words, each vowel is changed to the second letter preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.54 In a certain code language, 'do your task fast' is coded as 'ar nm by pu' and 'task is very tough' is coded as 'gt ol cx nm'. How is 'task' coded in that language? (All the codes are two-letter codes only.)

- Ans**
- ☐ A. gt
 - ☒ B. nm
 - ☐ C. ar
 - ☐ D. ol

Q.55 In a certain code language, 'CREW' is coded as '3685' and 'WEAR' is coded as '5816'. What is the code for 'A' in the given code language?

- Ans**
- ☐ A. 6
 - ☒ B. 1
 - ☐ C. 3
 - ☐ D. 5

Q.56 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. NQT
 - ☐ B. PSV
 - ☐ C. DGJ
 - ☒ D. LNQ

Q.57 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?

$$70 \div 2 + 150 \times 3 - 8 = ?$$

- Ans**
- ☐ A. 118
 - ☐ B. 108
 - ☐ C. 78
 - ☒ D. 98

Q.58 Each of P, Q, R, S, T, U and V has an exam on a different day of the same week starting from Monday and ending on Sunday. R has an exam on one of the days after Thursday but not on Saturday. Only two people have exams between R and Q. V has an exam immediately before Q. As many people have an exam before V as after U. P has an exam immediately before T. More than two people have exams between T and S. Who has an exam on Tuesday?

- Ans**
- ☐ A. P
 - ☒ B. T
 - ☐ C. V
 - ☐ D. Q

Q.59 What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

TEN YIS DMX IQC ?

- Ans**
- ☒ A. OUG
 - ☒ B. OVI
 - ☒ C. MTG
 - ☒ D. NUH

Q.60 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as that followed in the given 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 - 36 - 108 - 118

24 - 48 - 144 - 154

- Ans**
- ☒ A. 28 - 38 - 76 - 86
 - ☒ B. 26 - 52 - 62 - 124
 - ☒ C. 25 - 50 - 150 - 160
 - ☒ D. 27 - 54 - 128 - 148

Q.61 134 is related to 403 following a certain logic. Following the same logic, 117 is related to 352. To which of the given options is 192 related, following the same logic?

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

- Ans**
- ☒ A. 577
 - ☒ B. 524
 - ☒ C. 536
 - ☒ D. 548

Q.62 This question is based on the given words.

PAN LIP EGG HAT

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. Two
 - ☒ B. Three
 - ☒ C. Four
 - ☒ D. None

Q.63 The position(s) of how many letters will remain unchanged if each of the letter in the word TRADITIONAL is arranged in the English alphabetical order?

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

Q.64 U is father of V. V is mother of W. W is brother of X. How is U related to X?

- Ans
- ☐ A. Father
 - ☐ B. Father's Mother
 - ☒ C. Mother's Father
 - ☐ D. Mother

Q.65 The position(s) of how many letters will remain unchanged if each letter in the word SOUNDTRACK is arranged in the alphabetical order?

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

Q.66 Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) P E X N \ P X K M ? + T A T C ^ J \ + J ^ (Right)

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

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

Q.67 Anita starts from Point A and drives 6 km towards North. She then takes a right turn, drives 5 km, turns right and drives 11 km. She then takes a right turn and drives 8 km. She takes a final right turn, drives 5 km and stops at Point B. 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 East
 - ☐ B. 5 km towards North
 - ☒ C. 3 km towards East
 - ☐ D. 3 km towards North

Q.68 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. P sits to the immediate right of I. No one sits to the right of K. Only three people sit between K and Z. Only two people sit between Z and Q. R sits third to the left of I. How many people sit between J and Q?

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

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.

NJM : SHJ
UNQ : ZLN

- Ans
- ☒ A. MSV : RQS
 - ☐ B. DLP : IJL
 - ☐ C. GPM : LNI
 - ☐ D. FIL : KFI

Q.70 Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) P R B F U P F B Z D O A X F I I E R C K V (Right)

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

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

Q.71 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RWG :: WBL : %

- Ans**
- ☒ A. # = INX , % = FKV
 - ☒ B. # = INX , % = FKU
 - ☒ C. # = INX , % = HKU
 - ☒ D. # = LNX , % = FKU

Q.72 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 pliers are wrenches.
All wrenches are hammers.

Conclusions:

(I) Some hammers are pliers.
(II) No hammer is a plier.

- 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.73 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $29 \div 17 + 606 \times 3 - 359 = ?$

- Ans**
- ☒ A. 638
 - ☒ B. 650
 - ☒ C. 649
 - ☒ D. 660

Q.74 What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$21 \div 6 - 312 \times 6 + 49 = ?$

- Ans**
- ☒ A. 137
 - ☒ B. 133
 - ☒ C. 139
 - ☒ D. 129

Q.75 In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y @ R - B # G'?

- Ans**
- ☐ A. Brother's daughter
 - ☐ B. Mother's brother's wife
 - ☐ C. Brother's wife
 - ☒ D. Mother's brother's daughter

Q.76 A, B, C, D, E and F are sitting around a circular table with their backs towards the centre. C is sitting second to the right of A. B is sitting second the right of C. F is sitting to the immediate left of A. D is not the immediate neighbour of A. Who is sitting to the immediate right of C?

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

Q.77 What should come in place of '?' in the given series?

2 6 12 20 30 ?

- Ans**
- ☐ A. 38
 - ☐ B. 40
 - ☒ C. 42
 - ☐ D. 44

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. OQ - PV
 - ☐ B. NP - MO
 - ☐ C. HJ - GI
 - ☐ D. LN - KM

Q.79 OF 10 is related to QC -1 in a certain way. In the same way, JL 17 is related to LI 6. To which of the following is KM 5 related, following the same logic?

- Ans**
- ☐ A. HY -7
 - ☐ B. VJ -5
 - ☐ C. CF -4
 - ☒ D. MJ -6

Q.80 Each of G, H, I, J, K, L and M has an exam on a different day of a week, starting from Sunday and ending on Saturday of the same week.
G has an exam on Wednesday. Only two people have exam between G and L. I has exam on the day immediately before H. Only one person has exam between I and K. J has exam before M.
On which day does M have the exam?

- Ans**
- ☐ A. Friday
 - ☒ B. Sunday
 - ☐ C. Thursday
 - ☐ D. Saturday

Section : General Awareness and Current Affairs

Q.81 What major financial reform was initiated in the Union Budget 2026 to support small businesses in India?

- Ans**
- ✓ A. SME Growth Fund with an outlay of ₹10,000 crore
 - ✗ B. Increasing GST rates for service providers
 - ✗ C. Launching export incentives for large corporations
 - ✗ D. Revising direct tax slabs for salaried employees

Q.82 Which autonomous research institute under the Department of Atomic Energy had conducted the 2026 first-of-its-kind study analysing the impact of climate shocks such as erratic rainfall, floods, droughts, and rising temperatures on poverty across 593 districts in 21 states of India?

- Ans**
- ✗ A. Indian Council of Agricultural Research
 - ✗ B. National Environmental Research Institute
 - ✗ C. Indian Institute of Science Education and Research
 - ✓ D. National Institute of Science Education and Research

Q.83 Who became the youngest swimmer to cross the 29-km Palk Strait stretch between Sri Lanka and India under "Mission Samandar" in 2026?

- Ans**
- ✗ A. Aditya Verma
 - ✗ B. Divyansh Patel
 - ✗ C. Aryan Sharma
 - ✓ D. Ishank Singh

Q.84 At the indoor athletics meet held in Liévin, France, in February 2026, which athlete broke the women's indoor 800 metres world record, surpassing a mark that had stood since 2002?

- Ans**
- ✓ A. Keely Hodgkinson
 - ✗ B. Audrey Werro
 - ✗ C. Georgia Hunter Bell
 - ✗ D. Roisin Willis

Q.85 According to the Economic Survey 2025–26 and World Bank assessment, India was ranked among the top five countries globally in which area among low- and middle-income economies?

- Ans**
- ✗ A. Agricultural export growth
 - ✓ B. Private investment in infrastructure
 - ✗ C. Foreign tourist arrivals
 - ✗ D. Gold production

Q.86 The theme "Rights. Justice. Action. For ALL Women and Girls" is associated with which international observance celebrated in March 2026?

- Ans**
- ✗ A. World Social Justice Day
 - ✓ B. International Women's Day
 - ✗ C. International Youth Day
 - ✗ D. International Day of the Girl Child

Q.87 In May 2026, DRDO successfully conducted the maiden flight trial of the TARA weapon system. What is the primary function of this indigenous system?

- Ans**
- ✓ A. A modular range extension kit to convert unguided munitions into precision-guided weapons.
 - ✗ B. An advanced drone for high-altitude surveillance.
 - ✗ C. A new class of submarine-launched ballistic missile.
 - ✗ D. A hypersonic cruise missile for anti-ship operations.

- Q.88** Which of the following initiatives, announced in the Union Budget 2026-27, is intended to transform India's sports ecosystem over the next decade?
- Ans** ☒ A. Sports Talent Nurturing
☒ B. National Sports Excellence Programme
☒ C. Youth Skilling Campaign
☒ D. Khelo India Mission
- Q.89** Which of the following authors wrote "The Sage who Reimagined Hinduism: The Life, Lessons and Legacy of Sree Narayana Guru", a book launched in February 2026 that explores the enduring influence of India's spiritual and reformist traditions?
- Ans** ☒ A. Dr. Shashi Tharoor
☒ B. Sree Narayana Guru
☒ C. Adi Shankaracharya
☒ D. C. P. Radhakrishnan
- Q.90** As reported in April 2026, which of the following regulatory authorities signed a comprehensive Memorandum of Understanding (MoU) with the Financial Intelligence Unit-India (FIU-India) to strengthen anti-money laundering efforts in the pension sector?
- Ans** ☒ A. Pension Fund Regulatory and Development Authority
☒ B. Securities and Exchange Board of India
☒ C. Insurance Regulatory and Development Authority
☒ D. Reserve Bank of India
- Q.91** The "Viksit Bharat - G RAM G Act, 2025," which became a major policy focus in the Union Budget 2026-27, primarily replaces which previous rural employment guarantee scheme?
- Ans** ☒ A. Mahatma Gandhi National Rural Employment Guarantee Act
☒ B. National Rural Health Mission
☒ C. Deen Dayal Upadhyaya Grameen Kaushalya Yojana
☒ D. Pradhan Mantri Gram Sadak Yojana
- Q.92** Who had authored the book 'The Library Man of India: The Story of P.N. Panicker' released by Vice President C. P. Radhakrishnan at Uprashtrapati Bhavan in May 2026?
- Ans** ☒ A. C. Radhakrishnan
☒ B. M. T. Vasudevan Nair
☒ C. P. P. Sathyan
☒ D. Shashi Tharoor
- Q.93** In April 2026, which protected area in Uttar Pradesh was officially designated as India's 99th Ramsar Site for wetland conservation?
- Ans** ☒ A. Keoladeo National Park
☒ B. Shekha Jheel Bird Sanctuary
☒ C. Nal Sarovar Bird Sanctuary
☒ D. Sultanpur National Park
- Q.94** Which government initiative was showcased alongside PRAGATI 2026 through displays of indigenous equipment?
- Ans** ☒ A. Startup India
☒ B. Aatmanirbhar Bharat
☒ C. Digital India
☒ D. National Manufacturing Mission

Q.95 Which Indian state hosted the inaugural multinational military exercise PRAGATI in May 2026?

- Ans**
- ☐ A. Assam
 - ☒ B. Meghalaya
 - ☐ C. Bihar
 - ☐ D. Nagaland

Q.96 Which ministry launched the free course "YUVA AI for ALL" under the IndiaAI Mission 2025 in November 2025?

- Ans**
- ☒ A. Ministry of Electronics and Information Technology
 - ☐ B. Ministry of Skill Development and Entrepreneurship
 - ☐ C. Ministry of Science and Technology
 - ☐ D. Ministry of Education

Q.97 The 2026 Winter Olympics, officially known as the Milano Cortina 2026 Olympic Winter Games, were held in which country?

- Ans**
- ☐ A. Austria
 - ☐ B. Switzerland
 - ☐ C. France
 - ☒ D. Italy

Q.98 In 2026, the Government of India promoted green hydrogen initiatives mainly to support which SDG?

- Ans**
- ☐ A. SDG 15 – Life on Land
 - ☐ B. SDG 10 – Reduced Inequalities
 - ☒ C. SDG 7 – Affordable and Clean Energy
 - ☐ D. SDG 2 – Zero Hunger

Q.99 In February 2026, Prime Minister Modi inaugurated new administrative complexes in New Delhi as part of the Central Vista redevelopment. What are the names of these complexes and which body do they house?

- Ans**
- ☒ A. Seva Teerth and Kartavya Bhavan; house PMO, Cabinet Secretariat, and key ministries
 - ☐ B. Lok Kalyan Marg; houses the Prime Minister's residence and office
 - ☐ C. Swarna Mandir; houses the Ministry of Finance and RBI
 - ☐ D. Bharat Bhavan; houses only the Ministry of Defence

Q.100 Which country recently joined the Maitri Research Station as part of India's 45th Antarctic expedition, marking a significant milestone in scientific diplomacy?

- Ans**
- ☐ A. Oman
 - ☐ B. Saudi Arabia
 - ☐ C. Qatar
 - ☒ D. United Arab Emirates



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Ibrahimpatnam
Test Date	18/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 For the same amount of work, the time taken by Machine A is one-half that of Machine B. What is the ratio of the power of Machine A to that of Machine B?

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

Q.2 Which observation would show a violation of the law of conservation of mass in a closed system?

- Ans
- ☒ A. The mass of the products is less than the mass of the reactants
 - ☐ B. A white precipitate forms after mixing solutions
 - ☐ C. The color of the solution changes after reaction
 - ☐ D. The temperature of the system increases

Q.3 Which of the following statements about centrifugation is INCORRECT?

- Ans
- ☐ A. Centrifugation involves spinning a mixture at high speed to separate its components.
 - ☐ B. Centrifugation is used for separating components of different densities in a mixture.
 - ☒ C. Only solid mixtures with similar particle sizes can be separated by centrifugation.
 - ☐ D. Centrifugation can be applied in laboratory to separate the components of blood.

Q.4 The difference between a food chain and a food web is that:

- Ans
- ☐ A. energy transfer efficiency is higher in food chains than in food webs
 - ☐ B. a food chain always involves decomposers, while food webs do not
 - ☒ C. a food chain represents a single linear pathway, while a food web shows interconnected feeding relationships
 - ☐ D. food chains exist in aquatic ecosystems, while food webs are only in terrestrial ecosystems

Q.5 Why is corrosion considered economically harmful to metallic structures and machinery?

- Ans
- ☐ A. It enhances metal conductivity
 - ☒ B. It weakens metals and reduces durability
 - ☐ C. It increases metal reactivity
 - ☐ D. It improves surface appearance

- Q.6** A person wants to project a magnified real image of a small object onto a screen using a convex lens. Where should the object be placed relative to the lens?
- Ans** ☐ A. At the principal focus of the lens
☒ B. Between the focus and twice the focal length from the lens
☐ C. Between the lens and its principal focus
☐ D. At twice the focal length from the lens
- Q.7** Epithelial tissues act as the covering or protective layers in animals. Which of the following is NOT a location where you would find epithelial tissue?
- Ans** ☐ A. Lining of the mouth
☒ B. Inside of a bone
☐ C. Skin
☐ D. Kidney tubules
- Q.8** Two lenses, one converging with focal length 12 cm and one diverging with focal length -18 cm, are placed in contact. What is the combined focal length of this lens system?
- Ans** ☐ A. 16 cm
☒ B. 36 cm
☐ C. 7.2 cm
☐ D. 8 cm
- Q.9** Water moves from the soil into the root hair cells mainly due to which of the following processes?
- Ans** ☒ A. Osmosis
☐ B. Active transport
☐ C. Diffusion
☐ D. Transpiration
- Q.10** When the regulatory mechanisms controlling cell growth fail, cells begin to divide uncontrollably, leading to the formation of _____.
- Ans** ☐ A. Cell inclusions
☐ B. Vacuoles
☐ C. Organ systems
☒ D. Tumours
- Q.11** During an experiment, a student applies the Right Hand Thumb Rule to a vertical wire with current flowing upward. What is the direction of the magnetic field at a point directly east of the wire?
- Ans** ☒ A. The magnetic field points towards the north at that point
☐ B. The magnetic field points towards the west at that point
☐ C. The magnetic field points towards the south at that point
☐ D. The magnetic field points towards the east at that point
- Q.12** Which product is formed during anaerobic respiration in human muscles?
- Ans** ☐ A. Water
☒ B. Lactic acid
☐ C. Ethanol
☐ D. Carbon dioxide

Q.13 When comparing methane (CH_4) and ethene (C_2H_4), what is true regarding their covalent bonds?

- Ans**
- ☐ A. Methane contains one double covalent bond
 - ☒ B. Methane contains only single covalent bonds while ethene has a double bond
 - ☐ C. Both contain only non-polar covalent bonds
 - ☐ D. Ethene contains double bonds between hydrogen atoms

Q.14 A convex lens forms a virtual image 15 cm on the same side as the object when the object is placed 10 cm from the lens. What is the focal length of the lens?

- Ans**
- ☐ A. + 10 cm
 - ☐ B. -30 cm
 - ☐ C. -10 cm
 - ☒ D. + 30 cm

Q.15 When a motorcar makes a sharp turn at a high speed, the passengers tend to get thrown to one side. This can be explained using which of the following laws?

- Ans**
- ☐ A. Law of static friction
 - ☐ B. Law of Conservation of Momentum
 - ☐ C. Newton's Law of Gravitation
 - ☒ D. Newton's First Law of Motion

Q.16 Which of the following metals is extracted by electrolysis due to its position at the top of the activity series?

- Ans**
- ☐ A. Iron
 - ☐ B. Copper
 - ☒ C. Sodium
 - ☐ D. Zinc

Q.17 Why are field lines inside a solenoid described as parallel straight lines?

- Ans**
- ☐ A. Because parallel lines suggest the field varies greatly
 - ☒ B. Because the magnetic field is the same at all points inside, indicating uniformity
 - ☐ C. Because the current changes direction rapidly
 - ☐ D. Because the solenoid is very short in length

Q.18 An atom of element Y has an atomic mass of 20 u. If another atom of Y has two more neutrons but the same number of protons, what will be its atomic mass?

- Ans**
- ☐ A. 20 u
 - ☐ B. 18 u
 - ☒ C. 22 u
 - ☐ D. 24 u

Q.19 In the biological taxonomic hierarchy, which taxonomic rank is determined last when classifying a newly discovered plant?

- Ans**
- ☐ A. Genus
 - ☐ B. Order
 - ☐ C. Family
 - ☒ D. Species

Q.20 A car travels 150 kilometers in 3 hours. What is the average speed of the car, and what is the correct unit for this quantity?

- Ans**
- ☐ A. 150 kilometers per hour
 - ☐ B. 50 kilometers per minute
 - ☐ C. 0.02 kilometers per hour
 - ☒ D. 50 kilometers per hour

Q.21 Why is consciously thinking before withdrawing the hand from a hot object considered inefficient?

- Ans**
- ☐ A. Muscles cannot respond to signals sent by the brain during dangerous events.
 - ☐ B. The brain cannot receive incoming sensory signals sent directly from the skin.
 - ☐ C. Nerve impulses travel only from the body muscles directly back to the brain.
 - ☒ D. Thinking involves time taking complex interactions of many nerve impulses.

Q.22 What is the reason for the colour change of phenolphthalein after adding an acid to a basic solution?

- Ans**
- ☐ A. The temperature increases
 - ☐ B. The solution is diluted
 - ☐ C. The solution evaporates
 - ☒ D. The solution becomes neutral or acidic

Q.23 What visible change occurs when bromine water is added to ethene?

- Ans**
- ☒ A. The bromine water changes from orange to colorless
 - ☐ B. The solution turns blue after addition reaction
 - ☐ C. A white precipitate forms in the water after addition reaction
 - ☐ D. The bromine water remains orange after reaction

Q.24 A solar panel in India is exposed to sunlight under clear sky conditions. Which electromagnetic spectrum segment delivers the Sun's greatest energy to a solar panel in India for electricity generation?

- Ans**
- ☒ A. Visible light
 - ☐ B. Ultraviolet light
 - ☐ C. Infrared radiation
 - ☐ D. Gamma rays

Q.25 When lifting an object upwards, the work done by the force of gravity is considered negative because _____.

- Ans**
- ☐ A. Force of gravity only does positive work on falling objects
 - ☒ B. The object is displaced upward, opposite to the downward force of gravity
 - ☐ C. The net force on the object is zero
 - ☐ D. The force of gravity is constant

Section : Mathematics

Q.26 Two trains are moving in opposite directions at the speeds of 80 kmph and 70 kmph. Their lengths are 1.20 km and 0.8 km, respectively. The time taken by the slower train to cross the faster train (in seconds) is:

- Ans**
- ☐ A. 50
 - ☐ B. 40
 - ☐ C. 42
 - ☒ D. 48

Q.27 A number is first increased by 30%, and then decreased by 20%. What is the overall percentage change in the number?

- Ans**
- ☒ A. Increase of 4%
 - ☐ B. Increase of 10%
 - ☐ C. Decrease of 4%
 - ☐ D. Decrease of 8%

Q.28 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. 12%
 - ☒ B. 9%
 - ☐ C. 14%
 - ☐ D. 11%

Q.29 If a sum of ₹6,20,000 is invested for a year at 2% per annum compounded half-yearly, then find the compound interest.

- Ans**
- ☐ A. ₹13,795
 - ☐ B. ₹10,682
 - ☐ C. ₹11,667
 - ☒ D. ₹12,462

Q.30 Two security lights flash at regular intervals, one every 36 minutes and the other every 54 minutes. If both lights flash together at 8:00 AM, when will they flash together again?

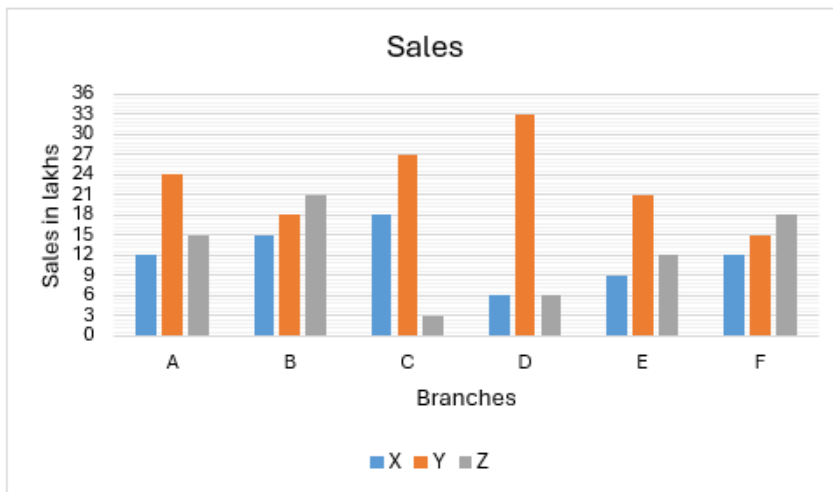
- Ans**
- ☐ A. 9:38 AM
 - ☐ B. 9:08 AM
 - ☐ C. 9:28 AM
 - ☒ D. 9:48 AM

Q.31 Calculate the area of a triangle whose sides are 14 cm, 21 cm and 29 cm (rounded off to two decimal places).

- Ans**
- ☒ A. 137.87 cm²
 - ☐ B. 137.42 cm²
 - ☐ C. 137.71 cm²
 - ☐ D. 137.08 cm²

- Q.32** The given graph shows the sales (in lakhs) of mobile phones of three brands, X, Y and Z, from six branches (A, B, C, D, E and F) of a company.

Study the graph and answer the question that follows.



What is the ratio of the total sales of Branch A to that of Branch D?

- Ans**
- ☒ A. 15 : 17
 - ☒ B. 15 : 13
 - ☒ C. 13 : 15
 - ☒ D. 17 : 15

- Q.33** If the mean of the following data is 44, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	36	37	26	34	x

- Ans**
- ☒ A. 160
 - ☒ B. 161
 - ☒ C. 159
 - ☒ D. 177

- Q.34** A 5G telecom tower is installed in a smart city zone. From a point on the ground 20 m away from the base of the tower, the angle of elevation of the top of the tower is 45° . Find the height of the tower (in meters).

- Ans**
- ☒ A. 22 m
 - ☒ B. 18 m
 - ☒ C. 20 m
 - ☒ D. 25 m

- Q.35** If $\operatorname{msec} \alpha = 8$, $\operatorname{mtan} \alpha = 4$, then the value of $\operatorname{m}^2 \operatorname{cosec} \alpha$ is:

- Ans**
- ☒ A. 48
 - ☒ B. 96
 - ☒ C. 2
 - ☒ D. 24

Q.36 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 99% and 40%, shop II allows successive discounts of 53% and 52%, shop III allows successive discounts of 52% and 10% and shop IV allows successive discounts of 51%, 85% and 68% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. I
☐ B. IV
☐ C. II
☐ D. III

Q.37 The cost of painting the outer surface of a closed cuboidal box is ₹4,340 at the rate of ₹10 per square cm. The sum of the length and the breadth of the box is 23 cm. If the height of the box is 5 cm, then the quantity of air in the box is:

- Ans** ☒ A. 510 cm³
☐ B. 500 cm³
☐ C. 484 cm³
☐ D. 440 cm³

Q.38 What is the HCF of 432 and the LCM of 120 and 150?

- Ans** ☒ A. 24
☐ B. 16
☐ C. 8
☐ D. 12

Q.39 The sum of the ages of a father and his son is 50. If the father is 4 times the son's age, find the son's age.

- Ans** ☐ A. 16 years
☒ B. 10 years
☐ C. 12 years
☐ D. 14 years

Q.40 By selling 24 articles, a shopkeeper gains the selling price of 12 articles. What is his gain percentage?

- Ans** ☐ A. 200%
☐ B. 50%
☐ C. 150%
☒ D. 100%

Q.41 A container holds a mixture of milk and water in the ratio 7:3. After 2 litres of the mixture are replaced with 2 litres of pure water, the new ratio of milk to water becomes 7:5. What was the initial quantity of milk present in the mixture?

- Ans** ☐ A. 6.3 liters
☒ B. 8.4 liters
☐ C. 9.1 liters
☐ D. 5.6 liters

Q.42 A shopkeeper buys 5 kg of rice at ₹40 per kg and 15 kg of rice at ₹60 per kg. What is the average cost per kg of the mixture?

- Ans** ☐ A. ₹52
☒ B. ₹55
☐ C. ₹45
☐ D. ₹50

Q.43 A school has four grades. The average marks scored in Grade 9, Grade 10, Grade 11, and Grade 12 are 65, 70, 70, and 74, respectively. The number of students in each corresponding grade are 40, 45, 35, and 50. What is the weighted arithmetic mean marks for all students across the grades?

- Ans**
- ☐ A. 73
 - ☐ B. 68
 - ☒ C. 70
 - ☐ D. 69

Q.44 Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. David borrowed an amount of ₹4,80,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by David after 3 years.

- Ans**
- ☐ A. 73,000
 - ☐ B. 71,500
 - ☒ C. 72,000
 - ☐ D. 73,500

Q.45 Two parallel lines are cut by a transversal. If one angle is $(3x + 10)^\circ$, and its corresponding angle is $(5x - 30)^\circ$, find the value of x .

- Ans**
- ☒ A. 20
 - ☐ B. 18
 - ☐ C. 15
 - ☐ D. 25

Q.46 A and B together can do a piece of work in 15.5 days and A alone can do it in 21 days. In how much time could B alone do it?

- Ans**
- ☐ A. $89\frac{2}{11}$ days
 - ☐ B. $69\frac{2}{11}$ days
 - ☒ C. $59\frac{2}{11}$ days
 - ☐ D. $79\frac{2}{11}$ days

Q.47 A company car loses 20% of its value each year. Three years later, the car is worth ₹32,768. What was the initial value of the car?

- Ans**
- ☐ A. ₹59,800
 - ☐ B. ₹67,800
 - ☐ C. ₹61,200
 - ☒ D. ₹64,000

Q.48 Two numbers are in the ratio 7:9. If 21 is added to each number, the ratio becomes 3:4. Find the numbers.

- Ans**
- ☐ A. -84, -108
 - ☐ B. -91, -117
 - ☐ C. -98, -126
 - ☒ D. -147, -189

Q.49

Simplify:

$$\frac{(p^2q^{-3})^3(p^{-5}q^4)^2}{p^{-1}q^{-2}}$$

Ans

- ☒ A. $\frac{q^2}{p^5}$
☒ B. $\frac{q}{p^3}$
☒ C. $\frac{p^2}{q^5}$
☒ D. $\frac{p}{q^3}$

Q.50 Jeeps leave a forest checkpoint every 10 minutes and travel at a constant speed of 24 km/h along the same trail. What is the distance (in km) between any two jeeps already on the trail?

Ans

- ☒ A. 6
☒ B. 4
☒ C. 3
☒ D. 5

Section : General Intelligence and Reasoning

Q.51 The position of how many letters will remain unchanged if the letters in the word 'BOWL' are arranged as per the English alphabetical order?

Ans

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

Q.52 What should come in place of the '?' in the given series based on the English alphabetical order?

HKMN, DNKO, ?, VTGQ, RWER

Ans

- ☒ A. ZQPI
☒ B. ZIQP
☒ C. ZPIQ
☒ D. ZQIP

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 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.)

(10, 200, 10)

(12, 288, 12)

Ans

- ☒ A. (9, 162, 10)
☒ B. (11, 242, 11)
☒ C. (8, 64, 8)
☒ D. (9, 180, 11)

Q.54 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☒ A. SUW
☐ B. JMO
☐ C. GJL
☐ D. DGI

Q.55 ROBM is related to GDQB in a certain way based on the English alphabetical order. In the same way, ZWJU is related to OLYJ. To which of the following options is SPCN related, following the same logic?

- Ans** ☐ A. HCDE
☐ B. HRED
☐ C. HEAR
☒ D. HERC

Q.56 What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$17 - 34 \div 5 + 120 \times 12 = ?$$

- Ans** ☒ A. 177
☐ B. 173
☐ C. 180
☐ D. 171

Q.57 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Only K sits to the right of R. Only one person sits between P and R. Only two people sit between I and P. J sits at some place to the right of Q but at some place to the left of Z. Who sits third from the right end of the row?

- Ans** ☐ A. R
☐ B. Q
☒ C. Z
☐ D. P

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?

$$20 A 2 B 5 C 4 D 6 = ?$$

- Ans** ☐ A. 45
☒ B. 48
☐ C. 47
☐ D. 46

Q.59 Each of C, D, E, F, J, K and L has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have exams between F and J. Only three people have exams between K and C. D has exam on some day before L and on some day after E. Only C has exam after J. How many people have exams after F?

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

Q.60 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: 5 buildings, A, K, T, W and Z, each have different heights.

Which building is the shortest?

(I) K is taller than W. W is taller than T.

(II) Only T is shorter than A. Z is taller than A.

- Ans**
- ☒ A. Data in statement II alone is sufficient to answer the question while data in statement I is not
 - ☐ B. Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
 - ☐ C. Data in both statements I and II together are NOT sufficient to answer the question
 - ☐ D. Data in statement I alone is sufficient to answer the question while data in statement II is not

Q.61 23 is related to 368 following a certain logic. Following the same logic, 47 is related to 752. To which of the given options is 33 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 551
 - ☒ B. 528
 - ☐ C. 534
 - ☐ D. 568

Q.62 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 G related to N if 'G + P – Q % K # S + N'?

- Ans**
- ☐ A. Mother
 - ☐ B. Brother's wife
 - ☐ C. Sister's daughter
 - ☒ D. Father's mother

Q.63 The position(s) of how many letters will remain unchanged if each letter in the word **FORMALIZED** is arranged in the alphabetical order?

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

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 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. BXU
 - ☐ B. IEB
 - ☐ C. PLI
 - ☒ D. TQM

Q.65 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) 9 3 6 4 8 1 2 7 4 8 2 5 6 7 1 4 6 9 3 4 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 even digit?

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

Q.66 In a certain code language, 'WIRE' is coded as '2954' and 'DREW' is coded as '4932'. What is the code for 'D' in the given code language?

- Ans**
- ☐ A. 4
 - ☐ B. 9
 - ☒ C. 3
 - ☐ D. 2

Q.67 The position(s) of how many letters will remain unchanged, if each of the letters in the word RESPONSIBLE is arranged in the reverse English alphabetical order?

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

Q.68 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.

GDP: DAM

DOQ: ALN

- Ans**
- ☒ A. MPN: JMK
 - ☐ B. EHL: CFI
 - ☐ C. SEL: OAI
 - ☐ D. XHG: VFC

Q.69 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 nets are bedsheets. All nets are pillows.

Conclusions (I) : Some bedsheets are pillows.

Conclusions (II) : All pillows are nets.

- 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 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: GPW :: WJC : %

- Ans** ☒ A. # = FNT, % = XLF
☐ B. # = FQT, % = YMF
☐ C. # = HQX, % = XLF
☐ D. # = HQX, % = YMG

Q.71 What should come in place of ? in the given series?
541 505 460 406 ? 271

- Ans** ☐ A. 352
☐ B. 333
☒ C. 343
☐ D. 354

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?

165 A 5 D 17 C 13 B 6 = ?

- Ans** ☐ A. 90
☐ B. 95
☐ C. 98
☒ D. 94

Q.73 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) 4 3 1 2 \$ 9 & 2 ? 4 @ 1 9 * 3 7 3 @ & < % (Right)

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

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

Q.74 Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) N % Q E A L & M @ B & F > E N H * \$ < L % P (Right)

How many such symbols are there, each of which are immediately preceded by a letter and immediately followed by a symbol?

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

Q.75 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and I. Only K is kept above R. Only four boxes are kept between R and I. Q is kept at some place below S but at some place above T.
Which box is kept second above T?

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

Q.76 This question is based on the following words.
JUG GAB POT PEA
In each of the words, each vowel is changed to the second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.77 V is wife of W. W is father of X. X is brother of Y. How is V related to Y?

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

Q.78 Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. Only two people sit to the left of V. There are exactly three people between V and U. T sits second to the right of V. There are exactly two people between T and Q. P sits somewhere to the right of W but to the left of S. Based on the given information, how many people are sitting to the right of P?

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

Q.79 In a certain code language, 'SOLD' is coded as '5368' and 'LOUD' is coded as '6318'. What is the code for 'U' in the given code language?

- Ans**
- ☒ A. 1
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 5

Q.80 Soumya ranked 21st from the bottom and 16th from the top in his class. How many students are there in his class?

- Ans**
- ☒ A. 36
 - ☐ B. 37
 - ☐ C. 35
 - ☐ D. 34

- Q.81** The grievance redressal campaign launched by the Reserve Bank of India in January 2026 was associated with which mechanism?
- Ans** ☐ A. Monetary Policy Framework
☐ B. Credit Authorisation Mechanism
☐ C. Prompt Corrective Action Framework
☒ D. Integrated Ombudsman Scheme
- Q.82** Which of the following bills was passed by both Houses of Parliament during the 2026 Budget Session?
- Ans** ☐ A. The Union Territories Laws (Amendment) Bill, 2026
☒ B. The Jan Vishwas (Amendment of Provisions) Bill, 2026
☐ C. The Corporate Laws (Amendment) Bill, 2026.
☐ D. The Delimitation Bill, 2026
- Q.83** In May 2026, Harmanpreet Kaur was awarded the Padma Shri at Rashtrapati Bhavan. What was the primary achievement that led to this national honor?
- Ans** ☒ A. Leading India to its maiden ODI World Cup title
☐ B. Completing three hundred international match appearances
☐ C. Scoring the fastest century in a T20 international
☐ D. Securing consecutive gold medals at the Asian Games
- Q.84** Which author released the book, Karuna: The Power of Compassion, in March 2026?
- Ans** ☐ A. Rajdeep Sardesai
☐ B. Devdutt Pattanaik
☒ C. Kailash Satyarthi
☐ D. Ruskin Bond
- Q.85** According to the Corruption Perceptions Index (CPI), 2025, released by Transparency International in February 2026, what were India's rank and score?
- Ans** ☒ A. 91st rank with a score of 39/100
☐ B. 90th rank with a score of 40/100
☐ C. 92nd rank with a score of 38/100
☐ D. 89th rank with a score of 41/100
- Q.86** Which wearable facility name had been launched in February 2026 by Union Minister of Minority Affairs Kiren Rijiju to assist Haj pilgrims during the Haj pilgrimage?
- Ans** ☐ A. Haj Digital Travel Card
☐ B. Haj Safety Identity Band
☐ C. Pilgrim Assistance Tracker
☒ D. Haj Suvidha Smart Wristbands
- Q.87** Which of the following advanced payload delivery technologies was successfully validated by India during the May 2026 flight-test of the Advanced Agni missile from Dr APJ Abdul Kalam Island, Odisha?
- Ans** ☐ A. Electro-Optical Wire-Guided Sub-Munition
☒ B. Multiple Independently Targeted Re-entry Vehicle
☐ C. Atmospheric Liquid Ramjet Sustained Booster
☐ D. Hypersonic Glide Non-Separable Warhead

Q.88 Who among the following personalities from Puducherry was awarded the Padma Shri in May 2026 in the field of Sports?

- Ans**
- ☐ A. Shri S. Rajasekar
 - ☐ B. Shri M. Dhanapal
 - ☒ C. Shri K Pajanivel
 - ☐ D. Shri R. Venkatesan

Q.89 Which expressway had been inaugurated in April 2026 in Hardoi, Uttar Pradesh as a 594-km long access-controlled greenfield expressway?

- Ans**
- ☐ A. Yamuna Expressway
 - ☐ B. Purvanchal Expressway
 - ☐ C. Bundelkhand Expressway
 - ☒ D. Ganga Expressway

Q.90 Which book released on March 24, 2026, is authored by Katrina Manson detailing the Pentagon's campaign to integrate artificial intelligence and algorithmic targeting into modern warfare?

- Ans**
- ☒ A. Project Maven: A Marine Colonel, His Team, and the Dawn of AI Warfare
 - ☐ B. Operation Sentinel: A Naval Commander, His Unit, and the Rise of Cyber Warfare
 - ☐ C. Code Frontier: A Military Captain, His Network, and the Future of Digital Warfare
 - ☐ D. Mission Phoenix: An Air Force General, His Squadron, and the Age of Drone Warfare

Q.91 Which international organization has partnered with the Government of India to launch the eight-year Country Strategic Opportunities Programme (COSOP) from 2026 to 2033 to strengthen rural economy?

- Ans**
- ☐ A. World Bank
 - ☐ B. Asian Development Bank
 - ☐ C. International Monetary Fund
 - ☒ D. International Fund for Agricultural Development

Q.92 "IT's Your Vibe" was unveiled as the official motto of which international sporting event held in 2026?

- Ans**
- ☐ A. Commonwealth Games 2026
 - ☐ B. FIFA World Cup 2026
 - ☐ C. Asian Games 2026
 - ☒ D. 2026 Winter Olympics

Q.93 Which scientist from the Centre for Development of Telematics (C-DOT) received the IEEE SA Standards Medallion Award in 2025 for contributions to rural broadband standards and solutions?

- Ans**
- ☒ A. Sandeep Kumar Agrawal
 - ☐ B. Sam Pitroda
 - ☐ C. Rajkumar Upadhyay
 - ☐ D. A. S. Kiran Kumar

Q.94 The World Sustainable Development Summit held in February 2026 in New Delhi mainly focused on which theme?

- Ans**
- ☐ A. Partnerships: Innovation, Inclusion and Global Economic Development
 - ☐ B. Development: Infrastructure, Technology and Social Transformation
 - ☒ C. Transformations: Vision, Voices and Values for Sustainable Development
 - ☐ D. Sustainability: Governance, Finance and International Cooperation

Q.95 The VL-Shtil missile system in the deal will strengthen the air defence capability of the:

- Ans**
- ☐ A. Indian Army
 - ☒ B. Indian Navy
 - ☐ C. Indian Air Force
 - ☐ D. Border Security Force

Q.96 With which organization did Hindustan Aeronautics Limited sign a key technology agreement to jointly manufacture advanced jet engines in April 2026?

- Ans**
- ☐ A. Northrop Grumman
 - ☒ B. GE Aerospace
 - ☐ C. Raytheon Technologies
 - ☐ D. Lockheed Martin

Q.97 In which of the following Indian cities was the final of the ICC Men's T20 World Cup 2026 played, where India defeated New Zealand to become the first team to win three titles?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Kolkata
 - ☒ C. Ahmedabad
 - ☐ D. Chennai

Q.98 In February 2026, which national strategic framework guided the high-level Operations Conclave hosted by the Headquarters Western Air Command to enhance collaboration among the Indian armed forces?

- Ans**
- ☐ A. Integrated Coastal Defense
 - ☐ B. Theater Command Decentralization
 - ☒ C. All Domain Joint Operations
 - ☐ D. Network Centric Cyber Warfare

Q.99 What was the official designated theme for the National Voters' Day celebrated across India in 2026?

- Ans**
- ☐ A. Nothing Like Voting, I Vote for Sure
 - ☒ B. My India, My Vote
 - ☐ C. No Voter to be Left Behind
 - ☐ D. Making Elections Inclusive and Accessible

Q.100 In October 2025, which severe cyclonic storm made landfall on India's east coast, forcing the evacuation of tens of thousands of people from coastal areas of Andhra Pradesh and Odisha?

- Ans**
- ☐ A. Cyclone Ditwah
 - ☐ B. Cyclone Shakti
 - ☐ C. Cyclone Remal
 - ☒ D. Cyclone Montha



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	SS Compuage LLP
Test Date	18/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What is a common observable change when a non-metallic oxide is bubbled through a base?

- Ans**
- ☐ A. The solution turns bright red in color
 - ☐ B. A gas is evolved rapidly during the reaction
 - ☐ C. The temperature of the solution falls sharply
 - ☒ D. There is a decrease in alkalinity of the solution

Q.2 In a laboratory, a student wants to verify Ohm's Law for a new material. Which experimental approach will most accurately determine if the material obeys Ohm's Law?

- Ans**
- ☐ A. Observe the heat produced at a single applied voltage
 - ☐ B. Calculate voltage for a fixed current
 - ☒ C. Measure current for several applied voltages and plot voltage versus current
 - ☐ D. Measure resistance at one voltage and compare to tabulated value

Q.3 If the ozone layer becomes thinner, which of the following could happen on Earth?

- Ans**
- ☒ A. Increase in ultraviolet radiation reaching Earth
 - ☐ B. Decrease in sunlight reaching plants
 - ☐ C. Reduction in oxygen levels
 - ☐ D. Cooling of the Earth's atmosphere only

Q.4 A cyclist covers 2 km in the first 10 minutes and 3 km in the next 10 minutes. What type of motion is this?

- Ans**
- ☒ A. non-uniform motion
 - ☐ B. periodic motion
 - ☐ C. uniform motion
 - ☐ D. circular motion

Q.5 A toy train moves around a circular track at a constant speed. Which statement correctly describes its motion?

- Ans**
- ☒ A. The train changes its direction continuously while moving with constant speed.
 - ☐ B. The train moves in a straight line with constant speed.
 - ☐ C. The train moves with increasing speed along the circular track.
 - ☐ D. The train remains at rest because its speed does not change.

Q.6 Which of the following is a pure substance?

- Ans**
- ☐ A. Only compound
 - ☐ B. Only mixture
 - ☒ C. Both compound and element
 - ☐ D. Only element

Q.7 The combustion of carbon allotropes, like diamond and graphite, produces:

- Ans**
- ☐ A. only carbon dioxide
 - ☐ B. only carbon dioxide and heat
 - ☒ C. carbon dioxide, heat and light
 - ☐ D. only carbon dioxide and light

Q.8 When a flashlight is turned on, what energy change occurs?

- Ans**
- ☒ A. Chemical energy changes to light energy
 - ☐ B. Chemical energy changes to sound energy
 - ☐ C. Light energy changes to sound energy
 - ☐ D. Light energy changes to chemical energy

Q.9 A researcher attempts to cultivate plants with true roots, stems, and leaves but finds that reproduction only occurs when water is present. Which feature limits these plants' distribution?

- Ans**
- ☒ A. Water-dependent reproduction
 - ☐ B. Seeds encased in fruits
 - ☐ C. Lack of vascular tissue
 - ☐ D. Absence of true roots

Q.10 A student mixes lead metal with iron(II) sulfate solution and observes no visible change. Which statement best explains this observation?

- Ans**
- ☐ A. Lead is more reactive than iron and displaces it from the solution.
 - ☐ B. The reaction is reversible, so no net change is observed.
 - ☒ C. Lead is less reactive than iron and cannot displace it from its compound.
 - ☐ D. Lead reacts vigorously with iron(II) sulfate forming a new compound.

Q.11 A student shouts facing a building 220 meters away. If the speed of sound is 330 m/s, how long after the shout will the echo be heard?

- Ans**
- ☒ A. 1.33 s
 - ☐ B. 2.20 s
 - ☐ C. 0.67 s
 - ☐ D. 0.44 s

Q.12 When a cell prepares to divide, the chromatin material organizes itself into _____.

- Ans**
- ☐ A. Proteins
 - ☐ B. Nuclear pores
 - ☒ C. Chromosomes
 - ☐ D. Lysosomes

Q.13 According to Bohr's Atomic Model, the orbit closest to the nucleus is called:

- Ans**
- ☒ A. K-shell
 - ☐ B. M-shell
 - ☐ C. L-shell
 - ☐ D. N-shell

Q.14 With ageing, the power of accommodation of the human eye decreases, causing difficulty in viewing nearby objects clearly. This defect is known as:

- Ans**
- ☐ A. Hypermetropia
 - ☐ B. Astigmatism
 - ☐ C. Myopia
 - ☒ D. Presbyopia

Q.15 A policymaker is evaluating the large-scale deployment of solar power in India. Which historical contribution provided the foundational data for solar insolation mapping?

- Ans**
- ☒ A. Anna Mani's solar radiation measurements
 - ☐ B. NASA satellite data collection
 - ☐ C. University climate models
 - ☐ D. Government weather forecasts

Q.16 What role do electrons play in the overall charge of an atom?

- Ans**
- ☐ A. They make the atom positively charged
 - ☐ B. They add significant mass to the atom
 - ☒ C. They balance the positive charge of protons to make atoms neutral
 - ☐ D. They are present inside the nucleus with neutrons

Q.17 A device uses 1 kilowatt (kW) of power for 1 hour. How much energy does it consume?

- Ans**
- ☐ A. 1 joule (J)
 - ☐ B. 1 watt hour (Wh)
 - ☒ C. 1 kilowatt hour (kWh)
 - ☐ D. 1 kilowatt (kW)

Q.18 A compound has the molecular formula C_4H_{10} . Which statement best describes its structure?

- Ans**
- ☐ A. It must contain a carbon-carbon double bond
 - ☐ B. It has a cyclic structure and a single isomer
 - ☒ C. It can exist as two different isomers with straight or branched chains
 - ☐ D. It forms only one possible structure

Q.19 Which sequence best describes the steps for obtaining a pure metal from its ore?

- Ans**
- ☐ A. Metal is extracted, then ore is enriched, and finally purification is performed.
 - ☐ B. Ore is purified, then metal is extracted, and finally enrichment is performed.
 - ☐ C. Ore is melted, then metal is extracted, and finally enrichment is performed.
 - ☒ D. Ore is enriched, then metal is extracted, and finally purification is performed.

Q.20 Carbohydrate digestion in humans begins in the mouth and is completed in which part of the digestive tract?

- Ans**
- ☒ A. Small intestine
 - ☐ B. Large intestine
 - ☐ C. Oesophagus
 - ☐ D. Stomach

Q.21 Why is depletion of the ozone layer by chlorofluorocarbons (CFCs) considered dangerous for organisms?

- Ans
- ☐ A. It leads to the generation of infrared radiation
 - ☒ B. It leads to penetration of UV rays into the atmosphere
 - ☐ C. It leads to an decrease in rainfall
 - ☐ D. It leads to an increase in atmospheric oxygen levels

Q.22 A football player tears a structure that connects muscles to bones during practice. Which structure is most likely damaged?

- Ans
- ☐ A. Nerve
 - ☐ B. Cartilage
 - ☒ C. Tendon
 - ☐ D. Ligament

Q.23 Which of the following formations is the three carbon molecule formed during the breakdown of glucose?

- Ans
- ☐ A. Formation of fructose-6-phosphate
 - ☐ B. Formation of glucose-6-phosphate
 - ☐ C. Formation of acetyl-co-A molecule
 - ☒ D. Formation of pyruvate molecule

Q.24 Why does touching a vibrating tuning fork to water cause ripples?

- Ans
- ☐ A. Water forms ripples without vibration
 - ☐ B. The fork heats the water and makes ripples
 - ☒ C. Vibrations from the fork transfer energy, moving water
 - ☐ D. The fork makes sound but does not move water

Q.25 A machine lifts a 1500 N load using an effort of 250 N. Due to friction, the effort required later becomes 375 N while lifting the same load. Which statement is correct?

- Ans
- ☐ A. Effort decreased by 50%
 - ☐ B. Load increased by 50%
 - ☒ C. Effort increased by 50% while load remained unchanged
 - ☐ D. Load and effort both increased by 50%

Section : Mathematics

Q.26 Simplify the expression: $12 - 3 \times 2 + \frac{8}{2}$.

- Ans
- ☐ A. 14
 - ☐ B. 12
 - ☒ C. 10
 - ☐ D. 8

- Q.27 A manufacturing plant employs 3,000 workers with varying hourly wages. The distribution of their wages is given below.

Wage Range (₹ per hour)	Number of Workers
Less than 3.00	150
3.01 – 4.50	580
4.51 – 6.00	900
6.01 – 7.50	500
7.51 – 9.00	600
More than 9.00	270
Total	3,000

Using the data above, determine the median hourly wage of the employees (Round off your answer to two decimal places.)

- Ans ☒ A. ₹4.74
☒ B. ₹5.79
☒ C. ₹6.23
☒ D. ₹5.98

Q.28 Simplify: $2 \div \frac{4}{5} \times (5 + 8 \times 2 - 4) + \left[\frac{1}{5} \div \frac{7}{25} - \left\{ \frac{3}{7} + \frac{16}{28} \right\} \right]$

- Ans ☒ A. $\frac{591}{14}$
☒ B. $\frac{59}{28}$
☒ C. $\frac{589}{14}$
☒ D. $\frac{59}{14}$

- Q.29 What will be the compound interest on a sum of ₹10,124 after 2 years at the rate of 25% per annum, interest being compounded annually?

- Ans ☒ A. ₹5,994.75
☒ B. ₹5,794.75
☒ C. ₹5,894.75
☒ D. ₹5,694.75

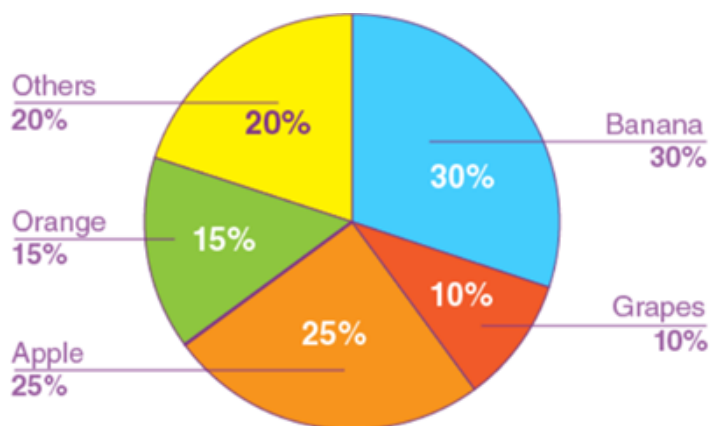
- Q.30 Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Atul borrowed an amount of ₹4,80,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Atul after 2 years.

- Ans ☒ A. 49,500
☒ B. 49,000
☒ C. 47,500
☒ D. 48,000

- Q.31 Find the area of a triangle whose sides are 12 cm, 10 cm and 14 cm.

- Ans ☒ A. $28\sqrt{2} \text{ cm}^2$
☒ B. 28 cm^2
☒ C. $24\sqrt{6} \text{ cm}^2$
☒ D. 24 cm^2

- Q.32** In a party, fruit chat is made with a total 150 kg of fruits. The distribution of different type of fruits is shown in the given graph.



The amount of Banana used in the fruit chat is what percentage more than the amount of Apple used?

- Ans** ☒ A. 22%
☒ B. 30%
☒ C. 20%
☒ D. 25%

- Q.33** A car runs the first one-third of a distance at a speed of 42 km/hr, the next half of the distance at a speed of 60 km/hr and the remaining distance at a speed of 72 km/hr. Find the approximate average speed (in km/hr) of the car for the whole journey.

- Ans** ☒ A. 53.8
☒ B. 58
☒ C. 48.6
☒ D. 56

- Q.34** If $(a + b):(b + c):(c + a) = 4:6:10$ and $a + b + c = 40$, what is the value of a ?

- Ans** ☒ A. 16
☒ B. 22
☒ C. 18
☒ D. 8

- Q.35** Two pipes A and B can fill a tank in 20 hours and 30 hours, respectively, while pipe C can empty the tank in 60 hours. All three taps are opened at the beginning. 10 hours before the tank is filled, pipe C is closed. How much total time (in hours) will it take to fill the tank?

- Ans** ☒ A. $10\frac{1}{2}$
☒ B. $12\frac{1}{4}$
☒ C. $10\frac{1}{4}$
☒ D. $12\frac{1}{2}$

- Q.36** Two trains of equal length cross a pole in 12 seconds and 18 seconds, respectively. If they move in the same direction, find the time taken by the faster train to come from behind and completely cross the other train.

- Ans** ☒ A. 72 seconds
☒ B. 66 seconds
☒ C. 75 seconds
☒ D. 60 seconds

Q.37 What is the value of $(2x + 7y)$, if mean of the following distribution is 53?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	7	11	x	8	y	60

Ans ☒ A. 133

☐ B. 151

☐ C. 137

☐ D. 127

Q.38 At what rate per cent per annum will a sum of money multiply itself by 20 times in 2 years, interest being compounded annually? (Give your answer correct to one decimal place)

Ans ☐ A. 340.3

☐ B. 353.1

☐ C. 345.6

☒ D. 347.2

Q.39 If 2 times the mother's age is 28 years more than 7 times her daughter's age, and 5 times the daughter's age is 5 year less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

Ans ☒ A. 29

☐ B. 34

☐ C. 25

☐ D. 33

Q.40 The midpoints of a triangle with sides 16 cm, 24 cm, and 32 cm are joined. Find the area (in cm^2) of the triangle formed by these midpoints.

Ans ☐ A. $12\sqrt{5}$

☐ B. $9\sqrt{7}$

☐ C. $10\sqrt{11}$

☒ D. $12\sqrt{15}$

Q.41 A hemispherical bowl of internal radius 15 cm is full of liquid. This liquid is to be filled into cylindrical bottles of diameter 5 cm and height 6 cm. How many bottles are required to empty the bowl completely?

Ans ☐ A. 55

☐ B. 58

☐ C. 64

☒ D. 60

Q.42 Nirmal's monthly salary is ₹15,000. He spends ₹6,000 on house rent and ₹1,500 on utility bills and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

Ans ☐ A. 67,500

☐ B. 90,000

☐ C. 75,000

☒ D. 82,500

Q.43 A vendor purchases lemons at the rate of 27 lemons for ₹1. At what rate (number of lemons per ₹1) should he sell them in order to gain 80%?

- Ans ☐ A. 19
☐ B. 16
☒ C. 15
☐ D. 17

Q.44 Simplify: $\sqrt{9 + 4\sqrt{5}}$

- Ans ☐ A. $3 + \sqrt{5}$
☒ B. $2 + \sqrt{5}$
☐ C. $5 + \sqrt{2}$
☐ D. $1 + 2\sqrt{5}$

Q.45 If $A = \frac{\cos\theta + 1 + \sin\theta}{2\sin\theta}$, then value of $\frac{\cos\theta}{\sin\theta + 1 - \cos\theta}$ is:

- Ans ☒ A. $A - 1$
☐ B. $1 + A$
☐ C. $1 + \frac{1}{A}$
☐ D. $1 - A^2$

Q.46 Priya spends 27% of her income on house rent, 22% on groceries, and 18% on education. If she saves ₹12,400 per month, what is her monthly income (rounded off to the nearest integer)?

- Ans ☐ A. ₹37,446
☒ B. ₹37,576
☐ C. ₹37,356
☐ D. ₹37,216

Q.47 A shop marks an article with ₹1,375. The shop runs a scheme: on buying two identical articles, a customer gets 20% off on the first and 40% off on the second. If a customer buys two, what is the effective percentage discount on the total bill?

- Ans ☐ A. 24%
☐ B. 27%
☒ C. 30%
☐ D. 25%

Q.48 Find the fourth proportional to 6, 9, and 15.

- Ans ☐ A. 25.5
☒ B. 22.5
☐ C. 21.5
☐ D. 18.5

Q.49 If $A = 7.5^\circ$, what is the value of $\frac{32\sqrt{3}\sin 8A + 28\sec 8A}{13\sqrt{3}\operatorname{cosec} 6A}$?

- Ans ☐ A. $\frac{5\sqrt{6}}{3}$
☐ B. $\frac{2\sqrt{6}}{3}$
☐ C. $\frac{3\sqrt{6}}{5}$
☒ D. $\frac{4\sqrt{6}}{3}$

Q.50 A class has boys and girls in the ratio 3:2. In a test, the average marks of the boys are 70 and those of the girls are 80. Find the average marks of the whole class.

- Ans**
- ☐ A. 75
 - ☐ B. 76
 - ☐ C. 72
 - ☒ D. 74

Section : General Intelligence and Reasoning

Q.51 UF 21 is related to VC 14 in a certain way. In the same way, VN 18 is related to WK 11. To which of the following is LJ 16 related, following the same logic?

- Ans**
- ☐ A. LF 9
 - ☐ B. MF 11
 - ☐ C. LG 11
 - ☒ D. MG 9

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 is the one that does not belong to that group?

- Ans**
- ☐ A. NPR
 - ☒ B. RTW
 - ☐ C. BDF
 - ☐ D. HJL

Q.53 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'
A = B means 'A is the sister of B'
Based on the above, how is R related to T if 'R = I + G ÷ H ! T'?

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

Q.54 Refer to the following series of digits and answer the question
(Left) 1 4 2 9 6 3 5 8 2 7 5 1 4 6 8 3 7 2 5 9 4 6 1 7 3 2 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) (Counting to be done from left to right only)

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

Q.55 A, B, C, D, E, F, and G are sitting around a circular table, facing the centre of the table. Only three people sit between E and G, when counted from the left of E. A sits to the immediate left of E. D sits to the immediate right of G. C sits to the immediate left of B. Who sits third to the left of F?

- Ans**
- ☐ A. G
 - ☐ B. C
 - ☐ C. E
 - ☒ D. B

Q.56 Refer to the given letter and symbol series and answer the question that follows.

(Left) G K } A ? L > & E \$ E ¥ I ÷ I ! J @ U + ¥ E % S = T % (Right)

If all the vowels are dropped from the series, then which of the following will be fifth from the left?

- Ans
- ☒ A. J
 - ☒ B. L
 - ☒ C. ?
 - ☒ D. @

Q.57 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' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S - A + E % R @ N'?

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

Q.58 72 is related to 430 following a certain logic. Following the same logic, 55 is related to 328. To which of the given options is 63 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- ☒ A. 376
 - ☒ B. 363
 - ☒ C. 328
 - ☒ D. 349

Q.59 The position(s) of how many letters will remain unchanged if each of the letters in the word EDUCATIONAL is arranged in the English alphabetical order?

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

Q.60 If 1 is subtracted from each odd digit and 1 is added to each even digit in the number 334687935925, 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. 4
 - ☒ B. 5
 - ☒ C. 3
 - ☒ D. 6

Q.61 This question is based on the following words:

ROW, FIN, SAD, MUD.

In each word, every vowel is replaced by the next letter in the English alphabetical order, and every consonant is replaced by the preceding letter.

How many of the resulting letter clusters contain no vowels?

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

Q.62 Manoj ranked 34th from the top and 15th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 46
☒ B. 49
☒ C. 48
☒ D. 47

Q.63 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five trees, N, O, R, S and T each having a different height, which tree is the shortest?

(I) O is shorter than S and T is shorter than O. S is taller than only two trees.

(II) N is taller than R.

- Ans** ☒ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☒ B. Both statements I and II together are NOT sufficient to answer the question
☒ C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

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

- Ans** ☒ A. QEW
☒ B. ZXE
☒ C. RES
☒ D. WQQ

Q.65 In a row of 131 students facing north, Mr. Lkj is 79th from the left end. If Mr. Ihg is 9th to the right of Mr. Lkj, what is Mr. Ihg's position from the right end of the line?

- Ans** ☒ A. 42nd
☒ B. 45th
☒ C. 44th
☒ D. 43rd

Q.66 What should come in place of ? in the given series?
415 454 506 571 649 ?

- Ans** ☒ A. 786
☒ B. 743
☒ C. 765
☒ D. 740

Q.67 In a certain code language, 'leave the room' is coded as 'lw rt bu' and 'please leave now' is coded as 'bu px cp'. How is 'leave' coded in the given language? (All codes are two-letter codes)

- Ans**
- ☒ A. rt
 - ☒ B. bu
 - ☒ C. px
 - ☒ D. lw

Q.68 This question is based on the given words.

GUT FUN PAN OWL

How many letters are there in the English alphabetical order between the second letter of the first word from the right and the second letter of the first word from the left?

- Ans**
- ☒ A. 4
 - ☒ B. 1
 - ☒ C. 0
 - ☒ D. 2

Q.69 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) Q G M A R T U N Z E D O H S V (Right)

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

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

Q.70 In the word "CONTACT", replace each letter with the previous letter in the English alphabetical order. Arrange the resulting letters alphabetically. Which letter will be at the third position from the left in the new arrangement?

- Ans**
- ☒ A. Z
 - ☒ B. M
 - ☒ C. S
 - ☒ D. N

Q.71 UK 12 is related to YO 16 in a certain way. In the same way, LS 22 is related to PW 26. To which of the following is MC 32 related, following the same logic?

- Ans**
- ☒ A. QG 36
 - ☒ B. OD 26
 - ☒ C. VL 16
 - ☒ D. PF 36

Q.72 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 - OJNI - JINO

VERB - EVBR - VRBE

- Ans**
- ☒ A. FLAG - LFAG - AFLG
 - ☒ B. CITY - ICYT - CTYI
 - ☒ C. GOLD - DGOL - DLOG
 - ☒ D. ZONE - NEZO - OZNE

Q.73 Seven friends, B, C, D, T, U, V and W, are sitting around a circular table facing the center of the table. T sits fourth to the right of C. Only two people sit between U and D, when counted from the left of U. B sits third to the left of V. W is an immediate neighbor of V and D. How many people sit between T and W, when counted from the left of W?

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

Q.74 If 'M' stands for 'x' and 'N' stands for '-', what will come in place of the question mark (?) in the following equation?

$$12 \text{ M } 5 \text{ N } 8 = ?$$

- Ans**
- ☒ A. 56
 - ☒ B. 52
 - ☒ C. 54
 - ☒ D. 50

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?

$$14 \text{ C } 30 \text{ A } 3 \text{ D } 3 \text{ B } 5 = ?$$

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

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. LQ - EW
 - ☒ B. ZF - SK
 - ☒ C. OT - HZ
 - ☒ D. YD - RJ

Q.77 Mr. Tosi starts from Point A and drives 17 km towards the East. He then takes a left turn, drives 19 km, turns left and drives 27 km. He then takes a left turn and drives 20 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. 1 km to the North
 - ☐ B. 3 km to the South
 - ☐ C. 7 km to the North
 - ☐ D. 5 km to the West

Q.78 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operations on the second number result in the third number, and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three-digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

120 - 240 - 480;

180 - 360 - 720

- Ans**
- ☐ A. 240 - 480 - 840
 - ☒ B. 125 - 250 - 500
 - ☐ C. 220 - 440 - 640
 - ☐ D. 175 - 350 - 600

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 two boxes are kept between D and G. Only C is kept above F. No box is kept below G. B is kept at some place below E but at some place above A. How many boxes are kept above B?

- Ans**
- ☐ A. 5
 - ☒ B. 4
 - ☐ C. 3
 - ☐ D. 2

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 bins are cans. All plastics are cans.

Conclusions:

(I) Some bins are plastics.

(II) Some cans are plastics.

- 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 Which noted playback singer received the Padma Bhushan in 2026?

- Ans**
- ☐ A. Shreya Ghoshal for contributions to classical fusion music
 - ☐ B. Kavita Krishnamurthy for contributions to patriotic compositions
 - ☐ C. Sunidhi Chauhan for contributions to independent cinema songs
 - ☒ D. Alka Yagnik for distinguished service in the field of art

Q.82 Which of the following athletes became the first to set the ultimate national record in the men's 100m sprint at the Federation Cup in May 2026 by running 10.15 seconds to mark below the entry standard set for the Commonwealth Games by the Athletics Federation of India?

- Ans**
- ☐ A. Amlan Borgohain
 - ☐ B. Gurindervir Singh
 - ☒ C. Animesh Kujur
 - ☐ D. Manikanta Hoblidhar

Q.83 Which major change in India's rural employment framework was introduced through the VB-G RAM G Act, 2025, replacing the earlier MGNREGA system?

- Ans**
- ☐ A. Merger of rural employment schemes with urban livelihood missions
 - ☐ B. Expansion of MGNREGA work guarantee from 100 to 150 days annually
 - ☐ C. Transfer of rural employment administration to Gram Panchayats alone
 - ☒ D. Replacement of MGNREGA with the VB-G RAM G rural employment framework

Q.84 During the 77th Republic Day Parade at Kartavya Path in 2026, which of the following Defence Research & Development Organisation (DRDO) systems was showcased?

- Ans**
- ☒ A. Long Range Anti-Ship Hypersonic Missile
 - ☐ B. Inter-continental ballistic missile
 - ☐ C. Air Independent Propulsion system for Submarines
 - ☐ D. Short Range Anti-Tank Missile

Q.85 In April 2026, the Ministry of Environment, Forest and Climate Change launched a five-year biodiversity governance project aimed at "greening" Gram Panchayat Development Plans (GPDs). This initiative is most directly associated with which SDG?

- Ans**
- ☐ A. SDG 7 – Affordable and Clean Energy
 - ☐ B. SDG 8 – Decent Work and Economic Growth
 - ☐ C. SDG 2 – Zero Hunger
 - ☒ D. SDG 15 – Life on Land

Q.86 Which country had topped the final medal tally at the 2026 Winter Olympics in Milano Cortina by setting a new record for both gold medals and total medals at a single Winter Games?

- Ans**
- ☐ A. Germany
 - ☐ B. The United States of America
 - ☐ C. Canada
 - ☒ D. Norway

Q.87 According to the Supreme Court of India's 2026 judgment on stray dog management, which of the following should be prioritized in cases of conflict between animal welfare and public safety?

- Ans**
- ☐ A. Unrestricted re-release of stray animals into all public and institutional spaces
 - ☒ B. Protection of public safety and the Right to Life guaranteed under Article 21
 - ☐ C. Expansion of commercial animal shelters through private-sector urban development projects
 - ☐ D. Complete withdrawal of municipal authorities from stray animal management responsibilities

Q.88 Who among the following is the author of the non-fiction book, "India and Her Futures", launched in March 2026 by Rajya Sabha MP Kamal Haasan?

- Ans**
- ☐ A. Narendra Modi
 - ☒ B. Gopalkrishna Gandhi
 - ☐ C. Ram Nath Kovind
 - ☐ D. Rahul Gandhi

Q.89 Which institution had conducted the palaeoecological research using pollens from wetlands of the Kaziranga National Park to trace the evolution of the habitat of the one-horned rhinoceros in February 2026?

- Ans**
- ✓ A. Birbal Sahni Institute of Palaeosciences
 - ✗ B. Indian Institute of Tropical Meteorology
 - ✗ C. Wadia Institute of Himalayan Geology
 - ✗ D. Zoological Survey of India

Q.90 In 2025, which new identity document has the Supreme Court directed the Election Commission of India (ECI) to accept for inclusion in Bihar's revised voters' list?

- Ans**
- ✗ A. Driving License
 - ✓ B. Aadhaar Card
 - ✗ C. Ration Card
 - ✗ D. Passport

Q.91 "Vigil", published in January 2026, is the novel written by which Booker Prize-winning author best known for "Lincoln in the Bardo"?

- Ans**
- ✗ A. Colson Whitehead
 - ✗ B. Douglas Stuart
 - ✗ C. Kazuo Ishiguro
 - ✓ D. George Saunders

Q.92 During the May 2026 nationwide disaster drills, India's National Disaster Management Authority (NDMA) tested a new system that pushes unmissable, region-specific alerts directly to mobile devices without relying on traditional SMS or internet connectivity. What technology framework enables this simultaneous, area-wide transmission?

- Ans**
- ✗ A. Optical Fiber Multi-casting
 - ✗ B. Short Message Peer Protocol
 - ✓ C. Cell Broadcast System
 - ✗ D. Satellite Direct Frequency

Q.93 Which vessel had been commissioned in Goa in January 2026 by the Defence Minister as the first indigenously designed and built pollution control vessel of the Indian Coast Guard?

- Ans**
- ✓ A. Samudra Pratap
 - ✗ B. Vikram Suraksha
 - ✗ C. Samudra Rakshak
 - ✗ D. Samudra Shakti

Q.94 In May 2026, the study report titled "Contribution of Jain Community in the Field of Education" was released by which Government of India organization?

- Ans**
- ✗ A. National Commission for Scheduled Castes
 - ✗ B. University Grants Commission
 - ✓ C. National Commission for Minorities
 - ✗ D. National Human Rights Commission

Q.95 Which state topped the medals tally in the inaugural edition of Khelo India Tribal Games (KITG) concluded in April 2026?

- Ans**
- ✗ A. Haryana
 - ✓ B. Karnataka
 - ✗ C. Himachal Pradesh
 - ✗ D. Uttar Pradesh

Q.96 What had been declared as the official theme of the United Nations (UN) World Wildlife Day observed globally on 3 March 2026?

- Ans**
- ☐ A. Forests and Livelihoods: Sustaining People and Planet
 - ☐ B. Wildlife Conservation Finance: Investing in People and Planet
 - ☐ C. Biodiversity and Climate Change: Global Action
 - ☒ D. Medicinal and Aromatic Plants: Conserving Health, Heritage and Livelihoods

Q.97 Who tabled the Economic Survey 2025-26 in the Parliament on 29th January 2026?

- Ans**
- ☐ A. Amit Shah
 - ☐ B. V. Anantha Nageswaran
 - ☐ C. Narendra Modi
 - ☒ D. Nirmala Sitharaman

Q.98 In February 2026, a significant national policy on renewable energy was launched. Which organization was chiefly responsible for drafting and releasing the framework for the National Hydrogen Mission?

- Ans**
- ☐ A. Ministry of Home Affairs
 - ☒ B. Ministry of New and Renewable Energy
 - ☐ C. Department of Biotechnology
 - ☐ D. Ministry of Skill Development and Entrepreneurship

Q.99 The G-RAM G Scheme 2025 guarantees how many days of wage employment per rural household annually?

- Ans**
- ☐ A. 100 days of wage employment
 - ☒ B. 125 days of wage employment
 - ☐ C. 150 days of wage employment
 - ☐ D. 120 days of wage employment

Q.100 At the New Balance Indoor Grand Prix, the first World Athletics Indoor Tour Gold meeting of the 2026 season, held in Boston, which athlete broke the long-standing men's indoor 2,000 metres world record previously held by Kenenisa Bekele?

- Ans**
- ☐ A. Cole Hocker
 - ☐ B. Grant Fisher
 - ☒ C. Hobbs Kessler
 - ☐ D. Davis Bove



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Shahpur
Test Date	19/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What is the general formula for alkanes with 'n' carbon atoms?

- Ans ☒ A. C_nH_{2n+2}
☒ B. C_nH_{2n-2}
☒ C. C_nH_{2n+1}
☒ D. C_nH_{2n}

Q.2 A wave has a frequency of 200 Hz and a wavelength of 1.7 m. What does their product represent?

- Ans ☒ A. The amplitude of the wave
☒ B. The loudness of the wave
☒ C. The speed of the wave
☒ D. The period of the wave

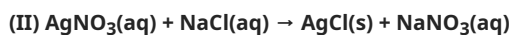
Q.3 Which equation correctly represents the reaction between calcium and cold water?

- Ans ☒ A. $Ca + 2H_2O \rightarrow Ca(OH)_2 + H_2$
☒ B. $Ca + H_2O \rightarrow CaOH_2 + H_2$
☒ C. $2Ca + H_2O \rightarrow 2CaOH + H_2$
☒ D. $Ca + H_2O \rightarrow CaH_2 + O_2$

Q.4 Farmers use cutting, grafting, and tissue culture to grow many plants with the same useful traits. These methods are preferred as:

- Ans ☒ A. They depend on pollinating insects.
☒ B. They always create new varieties.
☒ C. They produce genetically identical plants.
☒ D. They stop flowering in plants.

Q.5 Consider the following reactions:



Which of the above reactions are precipitation reactions?

- Ans**
- ☐ A. Only III and IV
 - ☐ B. Only I and III
 - ☐ C. Only II and IV
 - ☒ D. Only I and II

Q.6 Carbon forms millions of stable compounds, unlike most other elements. Which combination of properties best explains this behavior?

- Ans**
- ☐ A. Low atomic mass and small atomic size
 - ☐ B. Presence of isotopes and nuclear stability
 - ☒ C. Strong covalent bonding and tetravalency together
 - ☐ D. High chemical reactivity and tetravalency together

Q.7 A scientist is investigating why certain EM waves from the Sun do not reach the Earth's surface. Which property of gamma rays primarily explains their absence at ground level?

- Ans**
- ☐ A. They are reflected by Earth's surface
 - ☒ B. They are absorbed by upper atmosphere
 - ☐ C. They have long wavelength
 - ☐ D. They are scattered by clouds

Q.8 What is formed when a non-metal gains electrons?

- Ans**
- ☐ A. Cation
 - ☒ B. Anion
 - ☐ C. Proton
 - ☐ D. Neutral

Q.9 A group of engineers is tasked with designing a lecture hall for maximum speech intelligibility. Which combination of features should they prioritize to minimize reverberation?

- Ans**
- ☐ A. Upholstered seating with bare walls and floors
 - ☒ B. Soft wall coverings, acoustic ceiling tiles, and upholstered seating
 - ☐ C. High ceilings with reflective panels
 - ☐ D. Polished stone floors and glass walls

Q.10 In which combined form is oxygen found in the air besides free O_2 ?

- Ans**
- ☐ A. Argon
 - ☐ B. Nitrogen gas
 - ☒ C. Carbon dioxide
 - ☐ D. Methane

Q.11 Which organ directly filters nitrogenous waste from human blood?

- Ans**
- ☐ A. Heart
 - ☐ B. Liver
 - ☒ C. Kidneys
 - ☐ D. Lungs

Q.12 If the velocity-time graph of a moving object shows a straight line parallel to the time axis, what can be concluded about the object's acceleration?

- Ans
- ☐ A. The object has uniform acceleration
 - ☒ B. The object has zero acceleration
 - ☐ C. The object has negative acceleration
 - ☐ D. The object has changing acceleration

Q.13 After a severe injury, a patient's blood pressure decreases and they start to develop extensive bruising. Which dual failure in physiological systems best explains these clinical observations?

- Ans
- ☒ A. Reduced platelet function and impaired lymphatic drainage
 - ☐ B. Decreased oxygen transport and increased tissue fluid
 - ☐ C. Enhanced lymph flow and increased platelet aggregation
 - ☐ D. Reduced plasma protein synthesis and increased red blood cell count

Q.14 The formula unit mass of ammonium sulphate, $(\text{NH}_4)_2\text{SO}_4$, is:

- Ans
- ☐ A. 136 u
 - ☐ B. 118 u
 - ☒ C. 132 u
 - ☐ D. 114 u

Q.15 Why does the emergent beam from a prism show distinct colors instead of a single white band?

- Ans
- ☒ A. Each color bends by a different amount
 - ☐ B. All colors emerge parallel
 - ☐ C. Some colors are absorbed
 - ☐ D. All colors bend equally

Q.16 A desert plant absorbs carbon dioxide at night and uses it during the day for photosynthesis. Which property of photosynthesis does this illustrate?

- Ans
- ☐ A. Carbon dioxide is not required for photosynthesis in desert plants
 - ☒ B. Photosynthesis can involve intermediate compounds stored for later use
 - ☐ C. Water is unnecessary for photosynthesis in desert plants
 - ☐ D. Photosynthesis occurs only at night in desert plants

Q.17 Which pH range is best for most plants to grow in garden soil?

- Ans
- ☐ A. Between pH 4 and pH 5
 - ☐ B. Between pH 3 and pH 4
 - ☒ C. Between pH 6 and pH 7.5
 - ☐ D. Between pH 8.5 and pH 9.5

Q.18 In terms of potential, why does water not flow in a perfectly horizontal tube?

- Ans
- ☐ A. Because gravity does not act on horizontal water
 - ☐ B. Because there is no tank connected
 - ☐ C. Because the tube is made of plastic
 - ☒ D. Because there is no pressure difference between the two ends

Q.19 Which of the following is **NOT** a part of the musculoskeletal system?

- Ans
- ☐ A. Bones
 - ☐ B. Tendons
 - ☒ C. Nephrons
 - ☐ D. Muscles

Q.20 If a copper wire and an iron wire of the same length and area are compared, which is the one with higher resistance?

- Ans**
- ☐ A. Cannot be determined
 - ☒ B. Iron wire
 - ☐ C. Both equal
 - ☐ D. Copper wire

Q.21 During an experiment, a student gradually lowers the angle of an ideal ramp while pulling a toy cart to the same height. What observation should the student expect?

- Ans**
- ☐ A. The force required increases.
 - ☐ B. The cart gains less potential energy.
 - ☒ C. The force required decreases.
 - ☐ D. The force required remains constant.

Q.22 A ball rolls down a hill with no friction and reaches the bottom. Which statement best describes how the energy changes as the ball moves?

- Ans**
- ☐ A. The total energy of the ball increases as it rolls
 - ☐ B. The ball's kinetic energy decreases as it moves downward
 - ☒ C. The ball's potential energy decreases while its kinetic energy increases
 - ☐ D. Both potential and kinetic energy increase as the ball moves

Q.23 Which type of nerves arise from the brain in humans?

- Ans**
- ☒ A. Cranial nerves
 - ☐ B. Spinal nerves
 - ☐ C. Autonomic nerves
 - ☐ D. Motor nerves

Q.24 If a car and a truck are pushed with the same force, which will accelerate more according to the second law of motion?

- Ans**
- ☐ A. The truck will accelerate more
 - ☐ B. Both will accelerate equally
 - ☒ C. The car will accelerate more
 - ☐ D. Neither will accelerate

Q.25 Which of the following is a characteristic property of a suspension?

- Ans**
- ☐ A. It is a true solution
 - ☐ B. It only burns with a blue flame
 - ☐ C. Its components cannot be separated
 - ☒ D. Its particles can be seen with the naked eye

Section : Mathematics

Q.26 If $\frac{\sin^2 \theta}{\tan^2 \theta - \sin^2 \theta} = \frac{1}{3}$, $0^\circ < \theta < 90^\circ$, then the value of $(\cot \theta + \operatorname{cosec} \theta)$ is:

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

Q.27 A wholesaler marked school uniforms at ₹1,200 each. He offered a 25% trade discount to a retailer. The retailer also received a scheme discount of 1 uniform free for every 5 purchased. Additionally, if the payment was made within 10 days, a cash discount of 8% on the billed amount (after trade discount) was offered. If the retailer received 72 uniforms in total and made the payment within 10 days, find the effective price per uniform in rupees.

- Ans** ☒ A. ₹690
☐ B. ₹700
☐ C. ₹672
☐ D. ₹668

Q.28 A sum of ₹60,000 is invested for 1 year at 4% per annum, compounded half yearly. What is the compound interest earned at the end of the year?

- Ans** ☐ A. ₹3,102
☐ B. ₹2,999
☐ C. ₹3,244
☒ D. ₹2,424

Q.29 A number is increased by 25% and then decreased by 10%. By what percent does the number increase?

- Ans** ☐ A. 15.6%
☒ B. 12.5%
☐ C. 13.9%
☐ D. 10.4%

Q.30 Pipe A can fill a tank in 6 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 28 hours. The time taken (in hours) by them to fill one-fourth of the same tank if they operate together is:

- Ans** ☐ A. 3
☐ B. 4
☒ C. 1
☐ D. 2

Q.31 A closed metallic cylindrical box is 1.44 m high and its base radius is 56 cm. If the sheet metal costs ₹90 per m², then what is the cost of the material used in the box?
(Use $\pi = \frac{22}{7}$)

- Ans** ☐ A. ₹483.4
☒ B. ₹633.6
☐ C. ₹855.5
☐ D. ₹738.4

Q.32 The population of a district is 3,35,000, out of which 2,14,000 are males. 31% of the population is literate. If 31% males are literate, then what percentage of females are literate?

- Ans** ☐ A. 28%
☒ B. 31%
☐ C. 33%
☐ D. 30%

Q.33 Which of the following best describes the median in the given set of data values?

Profit (₹)	Number of Shops
1,000-2,000	12
2,000-3,000	18
3,000-4,000	20
4,000-5,000	15
5,000-6,000	5

- Ans**
- ☐ A. ₹3,150
 - ☐ B. ₹3,300
 - ☒ C. ₹3,250
 - ☐ D. ₹3,200

Q.34 A boatman can travel 22 km downstream and 15 km upstream in 3 hours and 20 minutes. He can also travel 14 km downstream and 12 km upstream in 2 hours and 24 minutes. What is the speed of the boat in still water? (Round off your answer to two decimal places.)

- Ans**
- ☐ A. 13.50 km/h
 - ☐ B. 13.15 km/h
 - ☐ C. 11.75 km/h
 - ☒ D. 11.15 km/h

Q.35 Kaushal travelled for 14 hours 10 minutes at the speed of 60 km/h. At what speed (in km/h) should he travel to cover the same distance in 17 hours?

- Ans**
- ☐ A. 51
 - ☐ B. 53
 - ☐ C. 52
 - ☒ D. 50

Q.36 What is the minimum number of identical square tiles required to completely floor a room measuring 4m x 3.2 m?

- Ans**
- ☐ A. 40
 - ☐ B. 9
 - ☐ C. 18
 - ☒ D. 20

Q.37 Find the greatest number that divides 85, 153, and 221 leaving the same remainder in each case.

- Ans**
- ☐ A. 60
 - ☐ B. 34
 - ☐ C. 38
 - ☒ D. 68

Q.38 The ratio of the present ages of A and B is 5 : 7. Ten years later, the ratio becomes 7 : 9. What is A's present age?

- Ans**
- ☒ A. 25 years
 - ☐ B. 30 years
 - ☐ C. 40 years
 - ☐ D. 35 years

Q.39 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 1 month.

- Ans**
- ☐ A. 7.50
 - ☒ B. 45
 - ☐ C. 23.75
 - ☐ D. 3.75

Q.40 Arvind bought an article for ₹x. He sold it to Biru at a loss of 27%. Biru spent ₹163 on its transportation and sold it to Minu at a profit of 60%. If Minu bought it for ₹1,896, then what is the value of x?

- Ans**
- ☒ A. 1,400
 - ☐ B. 1,382
 - ☐ C. 1,386
 - ☐ D. 1,388

Q.41 Simplify: $(3a + 2b)^2 + (3a - 2b)^2 - 2(9a^2 + 4b^2)$

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

Q.42 Ravi, Sohan, Raghu and Ani distributed a sum of money amongst themselves in the ratio of 7 : 4 : 6 : 3. If Raghu's share is ₹1,800 more than Ani's share, then what is Sohan's share?

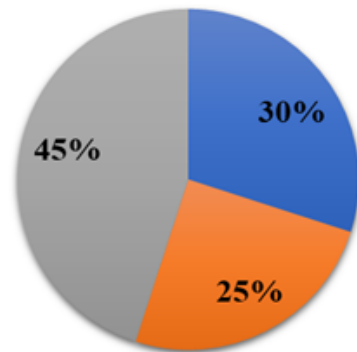
- Ans**
- ☐ A. ₹2,300
 - ☒ B. ₹2,400
 - ☐ C. ₹2,200
 - ☐ D. ₹2,500

Q.43 In a circle, a diameter AB and a chord PQ (which is not a diameter) intersect perpendicularly at a point X. If $AX : XB = 3 : 2$ and the radius of the circle is 5 cm, then what is the length (in cm) of the chord PQ?

- Ans**
- ☐ A. $2\sqrt{6}$
 - ☐ B. $5\sqrt{6}$
 - ☒ C. $4\sqrt{6}$
 - ☐ D. $3\sqrt{6}$

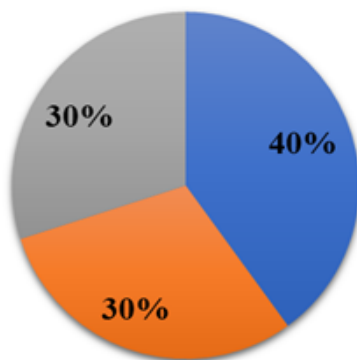
- Q.44 The given pie charts show the distribution of students in different streams in two schools, A and B. If school A has 1000 students and school B has 1200 students, what is the difference in the number of students in the science stream between the two schools?

SCHOOL A



■ Science ■ Commerce ■ Arts

SCHOOL B



■ Science ■ Commerce ■ Arts

Ans ✓ A. 180

✗ B. 200

✗ C. 100

✗ D. 150

- Q.45 Study the table and answer the question that follows.

The following table shows the class interval and frequency of a certain distribution.

Class	0-20	20-40	40-60	60-80	80-100
Frequenc y	17	28	32	A	19

If the mean of the distribution is 50, then the value of A is:

Ans ✗ A. 20

✗ B. 29

✓ C. 24

✗ D. 30

Q.46 Given that $24^{0.64} = x$, $24^{0.05} = y$ and $x^z = y^3$, then the value of z is close to:

- Ans ☒ A. 0.23
☐ B. 1.75
☐ C. 0.91
☐ D. 1.89

Q.47 Consider an equilateral quadrilateral whose angle bisectors intersect at right angles. One side of the quadrilateral measures 10 cm, and one of its perpendicular diagonals is 12 cm. Find half of the area of the quadrilateral.

- Ans ☒ A. 48 cm^2
☐ B. 50 cm^2
☐ C. 52 cm^2
☐ D. 96 cm^2

Q.48 10 kg of rice at ₹22.50 per kg is mixed with 10 kg of rice at ₹37.50 per kg. What is the price per kg (in ₹) of the mixture?

- Ans ☐ A. 22
☒ B. 30
☐ C. 28
☐ D. 25

Q.49 The angle of elevation of the top of a hill at the foot of a tower is 60° and the angle of depression from the top of the tower to the foot of the hill is 30° . If the tower is 96 m high, find the difference between the height of the hill and the height of the tower.

- Ans ☐ A. 172 m
☐ B. 188 m
☐ C. 163 m
☒ D. 192 m

Q.50 The difference between the compound interest and simple interest on a certain sum at 8% per annum for $1\frac{1}{2}$ years, compounded half-yearly, is ₹36. What is the principal amount? (Rounded off to the nearest integer.)

- Ans ☐ A. ₹7,404
☐ B. ₹7,411
☐ C. ₹7,201
☒ D. ₹7,401

Section : General Intelligence and Reasoning

Q.51 Each of A, B, C, D, E, F, and G has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. B has an exam on Wednesday. Only one person has an exam between B and D. C has exam on the day immediately before D. Only two people have exams between C and F. E's exam is on one of the days before G but on one of the days after A. G does not have any exam on Sunday. Who has an exam on Monday?

- Ans ☐ A. G
☒ B. A
☐ C. C
☐ D. F

Q.52 Which of the following options should come in place of the question mark (?) in the given series?

21 23 27 33 41 ?

- Ans** ☒ A. 51
☐ B. 48
☐ C. 53
☐ D. 50

Q.53 What should come in place of ? in the given series based on the English alphabetical order?

BBX ECU HDR KEO ?

- Ans** ☐ A. NMB
☐ B. NHG
☐ C. MKI
☒ D. NFL

Q.54 120 is related to 11 following a certain logic. Following the same logic, 255 is related to 16. To which of the following is 323 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 19
☐ B. 28
☐ C. 14
☒ D. 18

Q.55 Refer to the following letter series and answer the question that follows. Counting to be done from left to right.

(Left) O V U I C G X I A U Y U S L M X U Q T I W I (Right)

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

- Ans** ☒ A. 3
☐ B. 5
☐ C. 4
☐ D. 2

Q.56 B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

S sits third to the left of D. B sits second to the left of T. D is an immediate neighbor of both E and B. W is not an immediate neighbor of S.

How many people sit between P and B when counted from the right of P?

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

Q.57 Each of the digits in the number 9357146 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. Three
☐ B. Two
☒ C. One
☐ D. None

Q.58 This question is based on the given words.

ICE MET JAW GUM

How many letters are there in the English alphabetical order between the first letter of the second word from the right and the second letter of the first word from the left?

- Ans ☐ A. 7
☒ B. 6
☐ C. 5
☐ D. 9

Q.59 NX 15 is related to OU 6 in a certain way. In the same way, UO 13 is related to VL 4. To which of the following is ON 11 related, following the same logic?

- Ans ☐ A. OL 4
☐ B. PL 4
☒ C. PK 2
☐ D. OK 2

Q.60 Each vowel in the word AWAKENED is changed to the letter immediately following it in the English alphabetical order AND each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans ☐ A. M
☐ B. C
☐ C. J
☒ D. B

Q.61 If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$90 - 5 + 120 \times 4 \div 18 = ?$$

- Ans ☐ A. 428
☐ B. 434
☒ C. 438
☐ D. 442

Q.62 This question is based on the five, three-digit numbers given below.

(Left) 813 845 591 372 862 (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. 5
☐ B. 7
☒ C. 6
☐ D. 9

Q.63 Each vowel in the word PRACTICE is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans** ☒ A. None of the letters appear exactly twice
☐ B. Q
☐ C. H
☐ D. S

Q.64 Arvinda starts from point L and drives for 6 km towards south. He then takes a right turn and drives for 11 km, then he takes a right turn and drives for 3 km. He then takes a left turn and drives for 5 km. He finally takes a right turn and drives for 3 km to reach Point Z.

How far (shortest distance) and towards which direction should he drive in order to reach Point L again? (All the turns are 90-degree turns only unless specified.)

- Ans** ☐ A. 10 km towards south
☒ B. 16 km towards east
☐ C. 11 km towards west
☐ D. 16 km towards north

Q.65 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 12 - 22 - 44;

7 - 14 - 24 - 48

- Ans** ☐ A. 8-16-26-36
☐ B. 5-10-22-44
☒ C. 11-22-32-64
☐ D. 9-18-28-38

Q.66 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VAK :: OTD : %

- Ans** ☐ A. # = NRB , % = XCM
☒ B. # = MRB , % = XCM
☐ C. # = MRB , % = XMC
☐ D. # = MRB , % = YCM

Q.67 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. SKC
☐ B. OGY
☒ C. TBU
☐ D. NFX

Q.68 Refer to the following letter series and answer the question that follows. (Counting to be done from left to right only).

(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)

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

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

Q.69 A question is followed by two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question: Among 5 trees, L, M, O, P and Q, each having a different height, which tree is the tallest?

Statements:

(I) O is taller than L but shorter than M. O is shorter than only one tree.

(II) L is taller than Q.

- Ans**
- ☐ A. Both statements I and II together are not sufficient to answer the question.
 - ☐ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ C. Data in Statement I alone is sufficient to answer the question, while data in statement II is not.
 - ☐ D. Data in Statement II alone is sufficient to answer the question, while data in statement I is not.

Q.70 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) T S W H M F K Z I N O A B Q S P J M L R C V E W O (Right)

How many letters are there, as per the English alphabetical order, between the letter that is sixth from the right end and the third from the left end of the given series?

- Ans**
- ☒ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 5

Q.71 If 2 is subtracted from each odd digit and 2 is added to each even digit in the number 272465937257, 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. 7
 - ☒ C. 8
 - ☐ D. 6

Q.72 In a certain code language, 'RAIL' is coded as '9653' and 'BAIL' is coded as '9316'. What is the code for 'B' in the given code language?

- Ans**
- ☐ A. 6
 - ☐ B. 9
 - ☐ C. 3
 - ☒ D. 1

Q.73 Each of Laxmi, Mani, Ravi, Shivani, Navi, Anita and Pallavi has exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only three people have exams between Ravi and Shivani. Only two people have exams between Laxmi and Mani. Pallavi has exam immediately before Laxmi. Shivani has exam before only two people. Neither Mani nor Laxmi has exam on the last day of the week. Navi does not have exam on any of the days before Anita. 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 one that does NOT belong to that group?

- Ans**
- ☐ A. Ravi and Laxmi
 - ☐ B. Pallavi and Anita
 - ☐ C. Laxmi and Shivani
 - ☒ D. Anita and Ravi

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' and
A @ B means 'A is the father of B'.

How is M related to K if 'M - E # W @ P % K'?

- Ans**
- ☐ A. Daughter
 - ☒ B. Brother's wife
 - ☐ C. Brother's daughter
 - ☐ D. Wife

Q.75 W, X, Y, Z, M, and N are sitting around a circular table facing the center. Z sits to the immediate right of X. Only three people sit between N and W when counted from the right of W. Y sits second to the left of Z. M sits to the immediate right of N. Who sits to the immediate right of M?

- Ans**
- ☐ A. Y
 - ☒ B. W
 - ☐ C. N
 - ☐ D. X

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.

SHIP - HISP - SHPI
ROAD - OARD - RODA

- Ans**
- ☐ A. FILE - ELIF - ILEF
 - ☒ B. PARK - ARPK - PAKR
 - ☐ C. MAKE - AMEK - KEMA
 - ☐ D. NOTE - NETO - ETON

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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ A. DFI
 - ☒ B. GIK
 - ☐ C. SUX
 - ☐ D. NPS

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 @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S - A + E @ R % N'?

- Ans**
- ☐ A. Father
 - ☐ B. Son
 - ☐ C. Husband
 - ☒ D. Brother

Q.79 P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
Only two people live between U and Q. Only P lives above R. S lives on an even-numbered floor. U lives on the lowermost floor.
How many people live between T and P?

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

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 hens are ducks.
All ducks are bananas.

Conclusions:

(I) Some bananas are ducks.
(II) All hens are bananas.

- 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.

Section : General Awareness and Current Affairs

Q.81 Which of these Indian institutes launched the Bharat Cancer Genome Atlas in February 2026 to create India's first comprehensive cancer genome database?

- Ans**
- ☐ A. Apollo Proton Cancer Centre, Chennai
 - ☐ B. Gujarat Cancer & Research Institute, Ahmedabad
 - ☐ C. Indian Institute of Science, Bengaluru
 - ☒ D. Indian Institute of Technology, Madras

Q.82 Which two countries had been officially identified by the World Health Organization and the Africa Centres for Disease Control and Prevention in May 2026 for the outbreak of Bundibugyo strain Ebola Virus Disease under the declarations of Public Health Emergency of International Concern and Public Health Emergency of Continental Security?

- Ans**
- ☐ A. Uganda and Tanzania
 - ☐ B. Democratic Republic of the Congo and Rwanda
 - ☒ C. Democratic Republic of the Congo and Uganda
 - ☐ D. Kenya and Uganda

Q.83 Which Ugandan long-distance runner broke the men's half marathon world record at the EDP Lisbon Half Marathon, a World Athletics Platinum Label road race held in Portugal in March 2026?

- Ans**
- ☒ A. Jacob Kiplimo
 - ☐ B. Yomif Kejelcha
 - ☐ C. Sabastian Sawe
 - ☐ D. Rhonex Kipruto

Q.84 Who authored the book "The Sage who Reimagined Hinduism: The Life, Lessons and Legacy of Sree Narayana Guru", released by Vice-President C. P. Radhakrishnan in New Delhi?

- Ans**
- ☐ A. Dr. S. Jaishankar
 - ☒ B. Dr. Shashi Tharoor
 - ☐ C. Dr. Kiran Bedi
 - ☐ D. Dr. Bibek Debroy

Q.85 The theme "Resourcing Viksit Bharat" was associated with which conference held in January 2026?

- Ans**
- ☐ A. Startup Mahakumbh 2026
 - ☐ B. Raisina Dialogue 2026
 - ☐ C. India Digital Summit 2026
 - ☒ D. SKOCH Summit 2026

Q.86 Who had taken oath as the Chief Minister of West Bengal on May 9, 2026 at the Brigade Parade Ground in Kolkata?

- Ans**
- ☐ A. Sukanta Majumdar
 - ☒ B. Suwendu Adhikari
 - ☐ C. Mamata Banerjee
 - ☐ D. Dilip Ghosh

Q.87 In May 2026, India elevated its bilateral ties with Italy to a unique level previously only held with South Korea. What is this designation?

- Ans**
- ☐ A. Green Technology and Innovation Strategic Partnership
 - ☒ B. Special Strategic Partnership
 - ☐ C. Special and Privileged Strategic Partnership
 - ☐ D. Comprehensive Global Strategic Partnership

Q.88 In March 2026, Kuno National Park in Madhya Pradesh was in the news after the birth of five cheetah cubs increased India's total cheetah population to:

- Ans**
- ☒ A. 53
 - ☐ B. 32
 - ☐ C. 67
 - ☐ D. 41

Q.89 Under the Union Budget 2026-27, customs duty exemptions on specified imported medicines and drugs were announced mainly to provide relief to patients suffering from which of the following diseases?

- Ans**
- ☐ A. Diabetes
 - ☐ B. Tuberculosis
 - ☐ C. Dengue
 - ☒ D. Cancer

Q.90 What is the name of the initiative proposed in the Union Budget 2026–27 to strengthen India's ecosystem for the production of biologics and biosimilars?

- Ans**
- ✓ A. Biopharma SHAKTI
 - ✗ B. BioIndia Mission
 - ✗ C. Pharma Vision 2030
 - ✗ D. National Biologics Development Scheme

Q.91 Which of the following flagship government initiatives does the 'Sundays on Cycle' campaign in February 2026 directly support, aiming to foster active community participation and healthy living?

- Ans**
- ✓ A. Fit India Movement
 - ✗ B. Rashtriya Khel Protsahan Puruskar
 - ✗ C. Khelo India Mission
 - ✗ D. National Health Mission

Q.92 Who had become the fastest Indian sprinter in 2026 after clocking 10.09 seconds in the men's 100m final at the Federation Cup held in Ranchi, Jharkhand?

- Ans**
- ✗ A. Manikanta Hoblidhar
 - ✗ B. Animesh Kujur
 - ✓ C. Gurindervir Singh
 - ✗ D. Amlan Borgohain

Q.93 At the India AI Impact Summit 2026, Union Health Minister J. P. Nadda launched which two AI-based healthcare initiatives on February 17, 2026?

- Ans**
- ✗ A. NIRAMAY and PRAGATI
 - ✓ B. SAHI and BODH
 - ✗ C. SEHAT and VIKAS
 - ✗ D. AROGYA and SAKSHAM

Q.94 Which country hosted the 2026 Commonwealth Youth and Junior Weightlifting Championships conducted at the Tuanaimato Sports Complex in Apia during April–May 2026?

- Ans**
- ✗ A. Vanuatu
 - ✓ B. Samoa
 - ✗ C. Fiji
 - ✗ D. Tonga

Q.95 In February 2026, which economic institution announced expanded guidelines for digital lending transparency?

- Ans**
- ✓ A. Reserve Bank of India
 - ✗ B. Competition Commission of India
 - ✗ C. Securities and Exchange Board of India
 - ✗ D. Insurance Regulatory and Development Authority of India

Q.96 Which national organization launched the Central Prabhari Officer (CPO) Portal in May 2026 for improving real-time governance and last-mile delivery?

- Ans**
- ✗ A. Competition Commission of India
 - ✗ B. National Statistical Office
 - ✓ C. NITI Aayog
 - ✗ D. National Development Council

Q.97 Péter Magyar, who was sworn in as Prime Minister in May 2026 following the electoral victory of the Tisza Party, became the Prime Minister of which European country?

- Ans**
- ☐ A. Poland
 - ☐ B. Slovakia
 - ☒ C. Hungary
 - ☐ D. Romania

Q.98 Which Indian public sector bank announced the opening of its 10,000th branch in November 2025?

- Ans**
- ☐ A. HDFC Bank
 - ☒ B. Canara Bank
 - ☐ C. Indian Bank
 - ☐ D. Axis Bank

Q.99 In January 2026, the One Nation One Subscription (ONOS) initiative mainly aimed to improve access to which resource?

- Ans**
- ☐ A. Government land record databases
 - ☒ B. International academic research journals
 - ☐ C. National digital television channels
 - ☐ D. Public sector employment portals

Q.100 The 'Saheli Pink Smart Card' scheme, launched by President Droupadi Murmu in March 2026 to strengthen women's welfare and social security, was introduced by the government of which Union Territory?

- Ans**
- ☒ A. National Capital Territory (NCT) of Delhi
 - ☐ B. Chandigarh
 - ☐ C. Jammu and Kashmir
 - ☐ D. Puducherry



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION DIGITAL ZONE iDZ 2 WADI MIDC
Test Date	19/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 A student adds salt to water until no more salt dissolves and some salt remains undissolved at the bottom. What does this indicate?

- Ans** ☒ A. The solution formed is saturated salt solution
☒ B. The solution formed is a colloidal solution
☒ C. Salt has very low solubility in water
☒ D. Salt is completely insoluble in water

Q.2 Which quantity is represented by the slope of a position-time graph for an object moving in a straight line?

- Ans** ☒ A. Acceleration
☒ B. Force
☒ C. Momentum
☒ D. Linear velocity

Q.3 Which process converts ethanol to ethene when ethanol is heated at 443 K with excess concentrated sulphuric acid?

- Ans** ☒ A. Dehydration of ethanol
☒ B. Oxidation of ethanol
☒ C. Hydrolysis of ethanol
☒ D. Reduction of ethanol

Q.4 Which of the following is a product formed at the cathode during the electrolysis of brine?

- Ans** ☒ A. Hydrogen gas
☒ B. Sodium metal
☒ C. Oxygen gas
☒ D. Chlorine gas

Q.5 Which statement best describes the result when a sodium atom in the gaseous state loses one electron?

- Ans** ☒ A. The atom is converted into a neutron.
☒ B. The atom becomes a sodium ion with a negative charge.
☒ C. The atom remains a neutral sodium atom.
☒ D. The atom becomes a sodium ion with a positive charge.

Q.6 Choose an INCORRECT statement in regard to food uptake by single celled organisms.

- Ans**
- ☐ A. Food is taken in through the process of endocytosis
 - ☐ B. Paramecium uses cilia to move and capture food
 - ☐ C. Amoeba takes in food by forming pseudopodia
 - ☒ D. Amoeba has autotrophic mode of nutrition

Q.7 When a bell rings inside a jar and the air is slowly removed, what happens to the sound?

- Ans**
- ☐ A. The sound becomes louder
 - ☒ B. The sound becomes fainter as air is removed
 - ☐ C. The pitch of the sound increases
 - ☐ D. The bell stops vibrating immediately as air is removed

Q.8 A real, inverted and diminished image of an object is formed by a convex lens. At which position is the object placed?

- Ans**
- ☐ A. Between the principal focus (F) and 2F
 - ☒ B. Beyond 2F
 - ☐ C. At the principal focus (F)
 - ☐ D. At 2F

Q.9 A student wants to make a bar magnet using a current-carrying solenoid. Which arrangement of the magnetic field lines will indicate that the solenoid is acting as a bar magnet?

- Ans**
- ☐ A. Field lines curve randomly inside the solenoid
 - ☒ B. Field lines emerge from one end and enter the other, forming closed loops outside
 - ☐ C. Field lines form straight parallel lines outside the solenoid only
 - ☐ D. Field lines spiral around the solenoid from end to end

Q.10 The capability of a single mature plant cell to develop into a complete plant, as proposed by Haberlandt, is called _____.

- Ans**
- ☐ A. Contact inhibition
 - ☐ B. Turgidity
 - ☐ C. Permeability
 - ☒ D. Totipotency

Q.11 The primary harmful effect of UV radiation on humans, if not blocked by the ozone layer, is:

- Ans**
- ☐ A. asthma
 - ☐ B. anaemia
 - ☐ C. hypertension
 - ☒ D. skin cancer

Q.12 Which material did Robert Hooke use to first discover "cells"?

- Ans**
- ☐ A. Onion peel
 - ☐ B. Leaf surface
 - ☒ C. Cork slice
 - ☐ D. Human cheek

Q.13 Why do stars appear to twinkle when observed from the Earth?

- Ans
- ☐ A. Due to absorption of light by atmospheric gases
 - ☐ B. Due to scattering of light by dust particles in the air
 - ☐ C. Due to reflection of light from clouds
 - ☒ D. Due to refraction caused by varying air layers in the atmosphere

Q.14 In mammals, what is the primary advantage of having a four-chambered heart in relation to the transportation of blood in the lungs?

- Ans
- ☐ A. Allows blood to flow only once through the heart
 - ☒ B. Prevents mixing of oxygenated and deoxygenated blood
 - ☐ C. Reduces blood pressure in the lungs
 - ☐ D. It ensures only oxygenated blood enters the lung tissue

Q.15 Which of the following statements is/are CORRECT?

Statement I: The maximum number of electrons in any shell is given by $2n^2$.

Statement II: The third shell ($n=3$) can hold up to 12 electrons.

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

Q.16 A climate modeler wants to explain why polar regions have long periods of darkness and light during the year. Which factor is most responsible for this phenomenon?

- Ans
- ☐ A. Ocean currents change the amount of sunlight received
 - ☐ B. Atmospheric composition blocks sunlight at the poles
 - ☒ C. Earth's axial tilt and spherical shape affect sunlight distribution
 - ☐ D. Only latitude determines day length at the poles

Q.17 Aluminium reacts with oxygen. Which chemical formula represents the product of this reaction?

- Ans
- ☐ A. AlO_2
 - ☒ B. Al_2O_3
 - ☐ C. Al_2O
 - ☐ D. Al_3O_2

Q.18 In the reaction $MnO_2 + 4HCl \rightarrow MnCl_2 + 2H_2O + Cl_2$, which substance is oxidized?

- Ans
- ☒ A. HCl
 - ☐ B. $MnCl_2$
 - ☐ C. H_2O
 - ☐ D. MnO_2

Q.19 Two machines lift the same load. Machine P requires an effort of 100 N, while Machine Q requires an effort of 50 N. Which machine has the greater mechanical advantage?

- Ans
- ☐ A. Machine P
 - ☐ B. Both machines are equally efficient
 - ☒ C. Machine Q
 - ☐ D. Cannot be determined

Q.20 A climatologist analyzes why the Southern Hemisphere gyres rotate in a specific direction. Which factor primarily explains the rotation pattern of these ocean gyres?

- Ans**
- ☒ A. Earth's rotation deflects water movement
 - ☐ B. Temperature gradients push water
 - ☐ C. Wind direction drives all rotation
 - ☐ D. Land mass distribution alters flow

Q.21 If the unit of force is newton, which combination of fundamental SI units makes up one newton?

- Ans**
- ☐ A. Kilogram per meter per second
 - ☐ B. Meter per kilogram per second squared
 - ☐ C. Kilogram meter per second
 - ☒ D. Kilogram meter per second squared

Q.22 What is the primary purpose of a simple machine?

- Ans**
- ☐ A. To reduce the total work done in a task
 - ☐ B. To increase the weight of an object
 - ☒ C. To make work easier by changing the magnitude or direction of a force
 - ☐ D. To create energy

Q.23 In a comparison between two soap solutions, one containing oil droplets and the other without, which is more likely to have well-developed micelles?

- Ans**
- ☐ A. Both solutions because micelles never interact with oily substances.
 - ☐ B. Neither solution because micelles cannot exist in aqueous solutions.
 - ☐ C. The solution without oil because soap cannot form micelles with oil.
 - ☒ D. The solution containing oil droplets because hydrophobic cores trap oil.

Q.24 A student uses two wires of the same material and length but different thickness in the same circuit. Which statement best explains why the thicker wire causes a higher ammeter reading?

- Ans**
- ☒ A. The thicker wire has a larger area, resulting in lower resistance and higher current
 - ☐ B. The thicker wire has a different material, resulting in higher current
 - ☐ C. The thicker wire has a larger area, resulting in higher resistance and lower current
 - ☐ D. The thicker wire has more resistivity, resulting in higher current

Q.25 What prevents blood from flowing backward inside the low-pressure veins of the human circulatory system?

- Ans**
- ☐ A. Microscopic capillaries
 - ☐ B. Thick elastic walls
 - ☐ C. High pumping force
 - ☒ D. One-way valves

Section : Mathematics

Q.26 A shopkeeper gains ₹ 56 on a toy after allowing 23% discount on its ma

- Ans**
- ☐ A. ₹ 870
 - ☐ B. ₹ 805
 - ☐ C. ₹ 770
 - ☒ D. ₹ 800

Q.27 What is the correct ascending order of the following ratios: 12:13, 25:26, 2:3, 5:6?

- Ans
- ☐ A. 2:3, 12:13, 5:6, 25:26
 - ☐ B. 2:3, 5:6, 25:26, 12:13
 - ☒ C. 2:3, 5:6, 12:13, 25:26
 - ☐ D. 5:6, 2:3, 12:13, 25:26

Q.28 Rajan spends 60% of his income on household expenses. From the remaining income, he saves 50%. If his savings are ₹8,000, what is his total income?

- Ans
- ☐ A. ₹45,000
 - ☐ B. ₹32,000
 - ☐ C. ₹35,000
 - ☒ D. ₹40,000

Q.29 The average weight of 12 children increases by 1.5 kg when a new child comes in place of one child who weighed 42 kg. What might be the weight of the new child?

- Ans
- ☐ A. 62 kg
 - ☐ B. 61 kg
 - ☒ C. 60 kg
 - ☐ D. 59 kg

Q.30 Car M takes 7 hours to travel from point A to point B. It would have taken 8 hours if it had travelled the same distance at a speed 23.8 km/hr less than its original speed. What is the distance between points A and B?

- Ans
- ☐ A. 1333.9 km
 - ☒ B. 1332.8 km
 - ☐ C. 1331.5 km
 - ☐ D. 1330.2 km

Q.31 If three times the mother's present age is 24 years more than eight times her daughter's age, and three times the daughter's age is 3 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans
- ☒ A. 33
 - ☐ B. 28
 - ☐ C. 35
 - ☐ D. 36

Q.32 Simplify:

$$\frac{(a^3 b^{-2})^2 (a^{-1} b^5)^3}{a^4 b^{-1}}$$

- Ans
- ☐ A. $\frac{a}{b^9}$
 - ☐ B. $\frac{b^8}{a^3}$
 - ☒ C. $\frac{b^{12}}{a}$
 - ☐ D. $\frac{a^2}{b^6}$

Q.33 A vendor buys 41 laptop bags for ₹21,115 and sells them at 26 for ₹13,520. How many laptop bags should be bought and sold, at this rate, to earn a total profit of ₹8,845?

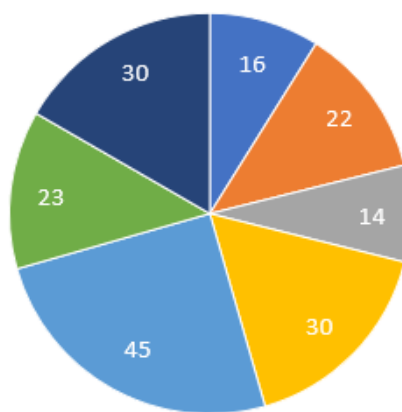
- Ans**
- ☒ A. 1745
 - ☒ B. 1769
 - ☒ C. 1757
 - ☒ D. 1760

Q.34 Ram purchases 8 pens for ₹240 and 6 pencils for ₹54. How much money does he need to buy 1 pen and 3 pencils?

- Ans**
- ☒ A. ₹78
 - ☒ B. ₹69
 - ☒ C. ₹48
 - ☒ D. ₹57

Q.35 Study the data of the number of accidents on different days of a week in the given pie chart and answer the question below it.

Accidents



■ Sunday ■ Monday ■ Tuesday ■ Wednesday ■ Thursday ■ Friday ■ Saturday

If the data of Thursday is dropped and rest of the data is plotted on a pie chart, then what is the difference in angles (in degrees) made at the centre by Wednesday earlier and now?

- Ans**
- ☒ A. 25
 - ☒ B. 30
 - ☒ C. 20
 - ☒ D. 45

Q.36 If a sum of ₹2,70,000 is invested for a year at 10% per annum compounded half-yearly, then find the compound interest.

- Ans**
- ☒ A. ₹27,675
 - ☒ B. ₹25,825
 - ☒ C. ₹27,850
 - ☒ D. ₹27,625

Q.37 Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Shivam borrowed an amount of ₹2,40,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Shivam after 4 years.

- Ans** ☐ A. 47,500
☐ B. 49,000
☒ C. 48,000
☐ D. 49,500

Q.38 Evaluate: $\frac{1 + \sin \theta}{\cos \theta} + \frac{\cos \theta}{1 + \sin \theta}$.

- Ans** ☐ A. $2\operatorname{cosec} \theta$
☒ B. $2\sec \theta$
☐ C. $2\cos \theta$
☐ D. $2\sin \theta$

Q.39 If the ratio of the angles of a quadrilateral is 2 : 7 : 2 : 7, then it is a:

- Ans** ☐ A. square
☐ B. trapezium
☒ C. parallelogram
☐ D. rectangle

Q.40 In a group of 10 students, the mean of the lowest 9 scores is 46 while the mean of the highest 9 scores is 50. For the entire group of 10 students, the maximum possible mean exceeds the minimum possible mean by:

- Ans** ☐ A. 4.3
☐ B. 3.4
☐ C. 3.6
☒ D. 3.2

Q.41 The following table shows the distribution of marks obtained by students in a test: Find the arithmetic mean of the marks using the direct method.

Marks(x)	10	15	20	25	30
Number of students	3	7	12	6	2

- Ans** ☒ A. 19.5
☐ B. 13.5
☐ C. 23.5
☐ D. 18.5

Q.42 A can do a task in 24 days, while B can do the same task in 16 days. A begins the task and works for 6 days before B joins him. After that, they work together to complete the remaining job. In how many days is the task completed?

- Ans** ☐ A. 15 days
☒ B. 13.2 days
☐ C. 14.5 days
☐ D. 16.2 days

Q.43 The perimeter of a square is 564 m. Its area (in m^2) is:

- Ans** ☐ A. 19892
☐ B. 19841
☒ C. 19881
☐ D. 19880

Q.44 If $\operatorname{cosec} \theta + \cot \theta = p$, $p > 1$, then find the value of $\frac{\sec \theta + 1}{\sec \theta - 1}$.

- Ans
- ☐ A. $p^2 - 1$
 - ☒ B. p^2
 - ☐ C. $2p$
 - ☐ D. $p^2 + 1$

Q.45 The number 1408 is divisible by which of the following numbers?

- Ans
- ☐ A. 21
 - ☐ B. 24
 - ☒ C. 22
 - ☐ D. 13

Q.46 The salaries of P, Q, and R are in the ratio 3 : 4 : 5. Their salaries are increased by 5%, 10%, and 15%, respectively. Find the new ratio of their salaries after the increases.

- Ans
- ☐ A. 53 : 88 : 105
 - ☒ B. 63 : 88 : 115
 - ☐ C. 63 : 78 : 115
 - ☐ D. 63 : 84 : 115

Q.47 A cuboid has its three edges in arithmetic progression and its volume is 384 cm^3 . If the smallest edge measures 4 cm, find the length of the largest edge.

- Ans
- ☐ A. 17 cm
 - ☐ B. 32 cm
 - ☒ C. 12 cm
 - ☐ D. 14 cm

Q.48 A certain sum amounts to ₹1,08,864 at the rate of 40% per annum in two years, with interest compounded half-yearly. What will be the amount payable (in ₹) on the same sum at the same rate and for the same time, if the interest is compounded annually?

- Ans
- ☐ A. 1,07,600
 - ☐ B. 1,08,200
 - ☐ C. 1,07,300
 - ☒ D. 1,02,900

Q.49 Sachin's monthly salary is ₹15,000. He spends ₹5,500 on house rent and ₹2,000 on utility bills, and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

- Ans
- ☐ A. 67,500
 - ☐ B. 75,000
 - ☐ C. 90,000
 - ☒ D. 82,500

Q.50 An aircraft covered a distance of 1440 km from place A to place B in for 10 minutes and 20 minutes, respectively. What is the average speed

- Ans
- ☐ A. 140 km/hr
 - ☐ B. 154 km/hr
 - ☐ C. 148 km/hr
 - ☒ D. 144 km/hr

Section : General Intelligence and Reasoning

Q.51 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number **6352814**, which of the following digits will be third from the right in the new number thus formed?

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☐ C. 0
 - ☒ D. 6

Q.52 What should come in place of ? in the given series based on the English alphabetical order?
VKR ANW FQB KTG ?

- Ans**
- ☐ A. QWM
 - ☐ B. QVL
 - ☐ C. OXK
 - ☒ D. PWL

Q.53 If 1 is subtracted from each odd digit and 2 is added to each even digit in the number **433535454976**, 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. 5
 - ☒ B. 8
 - ☐ C. 7
 - ☐ D. 6

Q.54 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 bats are dogs. No dog is a can.

Conclusion (I): Some bats are cans.

Conclusion (II): Some dogs are bats.

- 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 This question is based on the six, three-digit numbers given below:
(Left) 420 529 126 780 288 103 (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. 3
 - ☒ B. 2
 - ☐ C. 1
 - ☐ D. 4

Q.56 Eight friends Akash, Drishti, Kanika, Kajal, Charu, Ravi, Shivi and Pari are sitting around a circular table, facing the centre. Akash sits second to the left Kanika. Kanika sits third to the right of Kajal. Pari is an immediate neighbour of Charu and Kanika. Drishti sits second to the right of Pari. Ravi is not an immediate neighbour of Drishti. How many people sit between Shivi and Ravi when counted from the left of Ravi?

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

Q.57 If '+' means '-', '-' means 'x', 'x' means '+', '+' means '+', then what will come in place of the question mark (?) in the following equation?

$$30 - 5 \div 15 + 24 \times 6 = ?$$

- Ans** ☐ A. 1
☒ B. 161
☐ C. 198
☐ D. 10

Q.58 Which of the following options should come in place of the question mark (?) in the given series?

19 21 26 36 53 ?

- Ans** ☐ A. 84
☐ B. 78
☒ C. 79
☐ D. 75

Q.59 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: WRP :: JUG : %

- Ans** ☐ A. # = UOM , % = MZJ
☐ B. # = TPM , % = MXH
☒ C. # = TOM , % = MXJ
☐ D. # = TON , % = NXJ

Q.60 Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) K € £ E 9 3 T @ 8 M % 7 C A # 5 2 R A \$ G I (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the left?

- Ans** ☐ A. M
☐ B. C
☒ C. 8
☐ D. T

Q.61 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.
EHY : HGU
JEO : MDK

- Ans** ☒ A. DIV : GGR
☒ B. NQV : QPR
☒ C. IBR : LAM
☒ D. PGZ : SFU

Q.62 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) G Y # B D W & L % J R U * T @ W A Z Q \$ V N K S (Right)

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

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

Q.63 Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
R has an exam on Friday. Exactly 3 people have an exam between U and P, none of whom has an exam on Sunday. Q has an exam immediately after T. V has an exam immediately before P.
How many people have an exam between P and S?

- Ans** ☒ A. 4
☒ B. 2
☒ C. 1
☒ D. 3

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' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S + A - E @ R % N'?

- Ans** ☒ A. Brother
☒ B. Father
☒ C. Mother's brother's son
☒ D. Mother's brother

Q.65 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 K if 'D%R-T+K'?

- Ans** ☒ A. Brother
☒ B. Son
☒ C. Father
☒ D. Husband

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 is the one that does not belong to that group?

- Ans**
- ☐ A. XVT
 - ☐ B. PNL
 - ☐ C. TRP
 - ☒ D. PKH

Q.67 Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
T has an exam on Tuesday. Exactly 2 people have an exam between T and V. P has an exam immediately before S and R has an exam immediately after Q. Only 1 person has an exam between S and Q.
Who has an exam on Sunday?

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

Q.68 Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
V has an exam on Tuesday. Exactly 3 people have an exam between V and R. P has an exam immediately before T and Q has an exam immediately after T. Only 1 person has an exam between P and S.
How many people have an exam between R and T?

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

Q.69 In a certain code language, 'CODE' is coded as '8367' and 'DECK' is coded as '0736'. What is the code for 'K' in the given code language?

- Ans**
- ☐ A. 7
 - ☐ B. 8
 - ☐ C. 3
 - ☒ D. 0

Q.70 The position(s) of how many letters will remain unchanged if each letter in the word MIXABLE is arranged in the English alphabetical order?

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

Q.71 This question is based on the following words.

(LEFT) JAR DEW ARM LAG (RIGHT)

How many letters are there between the first letter of the first word from the right and the second letter of the second word from the left as per the English alphabetical order?

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

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. DKQ
 ☒ B. CJQ
 ☒ C. TAH
 ☒ D. ELS

Q.73 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 chairs are tables. All tables are wood.

Conclusion (I): Some wood are chairs.

Conclusion (II): No wood is a chair.

- 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.74 Each letter in the word COWGIRL is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter cluster thus formed?

- Ans** ☒ A. Eight
 ☒ B. Eleven
 ☒ C. Nine
 ☒ D. Seven

Q.75 35 is related to 11 following a certain logic. Following the same logic, 47 is related to 15. To which of the following is 23 related, following the same logic?
(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.)

- Ans** ☒ A. 5
 ☒ B. 12
 ☒ C. 7
 ☒ D. 15

Q.76 TVYC is related to EGJN in a certain way based on the English alphabetical order. In the same way, UWZD is related to FHKO. To which of the following is ACFJ related, following the same logic?

- Ans** ☒ A. LNPU
 ☒ B. LMPU
 ☒ C. LOPW
 ☒ D. LNQU

Q.77 In a certain code language, 'SCAM' is coded as '7532' and 'SACK' is coded as '5742'. What is the code for 'K' in the given code language?

- Ans
- ☐ A. 2
 - ☐ B. 7
 - ☐ C. 5
 - ☒ D. 4

Q.78 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only three people sit between A and D, when counted from the left of A. Only three people sit between G and E, when counted from the right of E. C sits to the immediate right of G. F is an immediate neighbour of E as well as D. How many people sit between B and C, when counted from the right of B?

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

Q.79 Refer to the given number and symbol series and answer the question that follows. All numbers are single digit numbers.

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans
- ☒ A. 2
 - ☐ B. 1
 - ☐ C. 5
 - ☐ D. 8

Q.80 8 is related to 510 following a certain logic. Following the same logic, 9 is related to 727. To which of the following is 10 related, following the same logic? (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.).

- Ans
- ☐ A. 990
 - ☐ B. 963
 - ☐ C. 972
 - ☒ D. 998

Section : General Awareness and Current Affairs

Q.81 Which of the following was the theme of World Teachers' Day celebrated on 5 October 2025?

- Ans
- ☐ A. The transformation of education begins with teachers
 - ☐ B. Inspiring the Next Generation of Learners
 - ☒ C. Recasting teaching as a collaborative profession
 - ☐ D. Valuing teacher voices: Towards a new social contract for education

Q.82 What is the name of the scheme launched by the Government of India in June 2026 to develop 100 industrial parks with a ₹33,660 crore outlay?

- Ans
- ☐ A. NAVYA
 - ☐ B. BHARATAVYA
 - ☐ C. BHANDAN
 - ☒ D. BHAVYA

Q.83 The Cell Broadcast System (CBS), launched in May 2026 to strengthen India's emergency communication system, was developed by which organisation?

- Ans
- ☐ A. Telecommunications Consultants India Limited (TCIL)
 - ☐ B. National Informatics Centre (NIC)
 - ☒ C. Centre for Development of Telematics (C-DOT)
 - ☐ D. Bharat Sanchar Nigam Limited (BSNL)

Q.84 Which of the following mobile applications was launched by the Ministry of Social Justice and Empowerment during the Chintan Shivir held in Chandigarh from 24-26 April 2026 to support digital survey-based rehabilitation monitoring and field-level implementation?

- Ans
- ☐ A. PM-DAKSH Mobile Application
 - ☐ B. Sugamya Bharat Mobile Application
 - ☒ C. SMILE-Beggary Survey Mobile Application
 - ☐ D. SITHA Mobile Application

Q.85 At the Asian Indoor Athletics Championships 2026 held in Tianjin, China, which Indian athlete won the gold medal in the men's heptathlon by setting a new national indoor record?

- Ans
- ☒ A. Tejaswin Shankar
 - ☐ B. Avinash Sable
 - ☐ C. Jeswin Aldrin
 - ☐ D. Eldhose Paul

Q.86 Which organization has launched the 'Krishi Sakhi Initiative' in March 2026 to empower women farmers and promote inclusive growth?

- Ans
- ☒ A. Agriculture Insurance Company of India Limited (AIC)
 - ☐ B. National Bank for Agriculture and Rural Development (NABARD)
 - ☐ C. United India Insurance Company Limited
 - ☐ D. Export Credit Guarantee Corporation of India

Q.87 The AI platform 'SARAL AI', reported in April 2026, is being developed by the Anusandhan National Research Foundation (ANRF) for which of the following purposes?

- Ans
- ☐ A. To enable AI-assisted drafting and filing of intellectual property applications for researchers.
 - ☒ B. To convert complex research publications and patents into simple, multilingual content for wider public dissemination.
 - ☐ C. To establish a centralized repository for secure storage and commercialization of patents generated through publicly funded research.
 - ☐ D. To create an AI-driven platform for allocating research grants and monitoring institutional performance across universities.

Q.88 When was GST Day 2026 celebrated in Hyderabad to mark nine years of implementation of the Goods and Services Tax (GST)?

- Ans
- ☐ A. 15 August 2026
 - ☐ B. 2 March 2026
 - ☐ C. 22 January 2026
 - ☒ D. 1 July 2026

Q.89 Where was the 14th Ministerial Conference (MC14) of the World Trade Organization hosted in March 2026?

- Ans**
- ☐ A. Addis Ababa, Ethiopia
 - ☐ B. Abu Dhabi, UAE
 - ☒ C. Yaoundé, Cameroon
 - ☐ D. Nairobi, Kenya

Q.90 Which international agreement on carbon markets was activated between India and the Republic of Korea in April 2026?

- Ans**
- ☒ A. Article 6.2 of the Paris Agreement
 - ☐ B. Kyoto Protocol Flexibility Mechanisms
 - ☐ C. Carbon Border Adjustment Mechanism (CBAM)
 - ☐ D. Green Climate Fund (GCF) Protocol

Q.91 Which of the following is a service-oriented digital platform launched by the Union Ministry of Health and Family Welfare in May 2026 during the National Summit on Innovation and Inclusivity to maintain longitudinal digital health records of women across the continuum of maternal and child healthcare?

- Ans**
- ☒ A. JANANI
 - ☐ B. SUMAN
 - ☐ C. LaQshya
 - ☐ D. Sakhi

Q.92 In May 2026, the TARA glide weapon system was tested from which aircraft platform of the Indian Air Force?

- Ans**
- ☐ A. Mirage-2000 fighter aircraft
 - ☒ B. Jaguar strike aircraft
 - ☐ C. Rafale combat aircraft
 - ☐ D. Tejas light aircraft

Q.93 According to the Union Budget 2026–27, the newly announced Khelo India Mission aims to transform India's sports sector over the next ____.

- Ans**
- ☐ A. 15 years
 - ☐ B. 20 years
 - ☒ C. 10 years
 - ☐ D. 5 years

Q.94 Which of the following states became the overall champion at the Khelo India Beach Games 2026, held in the Union Territory of Diu, by winning the most bronze medals to break a three-way tie?

- Ans**
- ☒ A. Karnataka
 - ☐ B. Madhya Pradesh
 - ☐ C. Tamil Nadu
 - ☐ D. Manipur

Q.95 At the 16th India–EU Summit held in January 2026, the conclusion of which agreement was jointly announced by the Prime Minister of India and the President of the European Commission?

- Ans**
- ☒ A. India–European Union Free Trade Agreement (India–EU FTA)
 - ☐ B. India–European Union Comprehensive Economic Partnership Agreement
 - ☐ C. India–European Union Investment Protection Agreement
 - ☐ D. India–European Union Digital Partnership Agreement

Q.96 Which Alpine skier won three gold medals (Downhill, Super-G, and Team Combined) at the Milano Cortina 2026 Winter Olympics?

- Ans**
- ☐ A. Lucas Pinheiro Braathen
 - ☐ B. Mikaela Shiffrin
 - ☐ C. Marco Odermatt
 - ☒ D. Franjo von Allmen

Q.97 During PM Modi's visit to Rome in May 2026, which spiritual leader informed him that Sanatana Dharma Samgha was recognized as an official religion by the Italian Parliament?

- Ans**
- ☐ A. Swami Vivekananda
 - ☐ B. Mata Amritanandamayi
 - ☐ C. Sadhguru Jaggi Vasudev
 - ☒ D. Swamini Shuddhananda Ghiri

Q.98 Which political party secured the highest number of seats in the West Bengal Assembly election in 2026?

- Ans**
- ☒ A. Bharatiya Janata Party
 - ☐ B. All India Trinamool Congress
 - ☐ C. Indian National Congress
 - ☐ D. Communist Party of India (Marxist)

Q.99 Which Indian Constitution Amendment Bill introduced in Lok Sabha in April 2026 reverts to the principle of each state having seats in proportion to its population?

- Ans**
- ☐ A. The Constitution (111th Amendment bill)
 - ☐ B. The Constitution (121st Amendment bill)
 - ☒ C. The Constitution (131st Amendment bill)
 - ☐ D. The Constitution (141st Amendment bill)

Q.100 Following confirmed tiger sightings after years of declining numbers, which state regained recognition for having a tiger presence in India's 2026 tiger estimation process?

- Ans**
- ☐ A. Maharashtra
 - ☐ B. Uttar Pradesh
 - ☒ C. Gujarat
 - ☐ D. Odisha



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iCreate Solutions - LISP
Test Date	19/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Why do single-celled organisms not require specialized organs for taking in food and exchanging gases?

- Ans** ☒ A. Because their entire surface is in contact with the environment
☒ B. Because they have a transportation system
☒ C. Because they do not need food or oxygen
☒ D. Because they have complex body designs

Q.2 A convex lens is used to form an image of an object. When the object is placed at a distance greater than twice of the focal length ($2f$) of the lens, what is the nature of the image formed?

- Ans** ☒ A. Real, inverted and diminished
☒ B. Real, inverted, and magnified
☒ C. Virtual, upright and magnified
☒ D. Real, inverted and the same size

Q.3 According to the Newton's Third Law of Motion, what happens to a stationary rowing boat when a sailor jumps forward from it?

- Ans** ☒ A. The boat moves forward along with the sailor.
☒ B. The boat moves unpredictably due to water resistance.
☒ C. The boat moves backward due to an equal and opposite reaction force
☒ D. The boat remains stationary since only the sailor moves.

Q.4 An element X forms a chloride with the formula XCl_3 and an oxide with the formula X_2O_3 . Based on this, what is the valency of element X?

- Ans** ☒ A. 3
☒ B. 2
☒ C. 1
☒ D. 4

Q.5 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Blood pressure increases temporarily during exercise.

Reason (R): Exercise increases heart rate and the volume of blood pumped by the heart per minute.

- Ans**
- ☒ A. Both A and R are true, and R is the correct explanation of A
 - ☐ B. Both A and R are true, but R is not the correct explanation of A
 - ☐ C. A is true, but R is false
 - ☐ D. A is false, but R is true

Q.6 Coal is formed from the remains of trees, ferns and other plants that lived _____ of years ago.

- Ans**
- ☐ A. tens
 - ☐ B. hundreds
 - ☒ C. millions
 - ☐ D. thousands

Q.7 Which observation best demonstrates that reduction has occurred in a chemical reaction?

- Ans**
- ☒ A. Oxygen is removed from a metal oxide during heating.
 - ☐ B. Oxygen combines with a metal to form its oxide layer.
 - ☐ C. Hydrogen gas is evolved after metal reacts with acid.
 - ☐ D. Carbon dioxide is released after heating a carbonate salt.

Q.8 When a ciliary muscles contracts, the eye lens becomes _____.

- Ans**
- ☐ A. Thinner and the focal length increases
 - ☒ B. Thicker and the focal length decreases
 - ☐ C. Thicker and the focal length increases
 - ☐ D. Thinner and the focal length decreases

Q.9 DNA, which is also called _____ acid, is the hereditary material that carries genetic information in cells.

- Ans**
- ☐ A. Decarbonated
 - ☐ B. Denatured
 - ☒ C. Deoxyribonucleic
 - ☐ D. Di-ribonucleic

Q.10 Which of the following electronic configurations is NOT possible for any neutral atom?

- Ans**
- ☐ A. 2, 8, 2
 - ☐ B. 2, 8, 8
 - ☒ C. 2, 10, 9
 - ☐ D. 2, 8, 3

Q.11 Which of the following is a common example of a suspension found in daily life?

- Ans**
- ☐ A. Salt water
 - ☐ B. Starch solution
 - ☐ C. Milk
 - ☒ D. Muddy water

Q.12 Which pair of changes will increase both the loudness and the pitch of a sound produced by a guitar string?

- Ans
- ☐ A. Increasing amplitude and decreasing frequency
 - ☐ B. Decreasing amplitude and decreasing frequency
 - ☒ C. Increasing amplitude and increasing frequency
 - ☐ D. Decreasing amplitude and increasing frequency

Q.13 A heater is rated at 1000 W, 250 V. If it is connected to a 250 V supply, what will be the current drawn by the heater and what is the resistance of the heater?

- Ans
- ☐ A. 3.5 A, 71.4 Ω
 - ☒ B. 4 A, 62.5 Ω
 - ☐ C. 5.0 A, 50 Ω
 - ☐ D. 2.5 A, 100 Ω

Q.14 In an experiment, a group of plants fail to reproduce when water is withheld, even though they have vascular tissues. Which plant group do they most closely resemble?

- Ans
- ☐ A. Gymnosperm
 - ☒ B. Pteridophyta
 - ☐ C. Angiosperm
 - ☐ D. Bryophyta

Q.15 Acceleration is defined as:

- Ans
- ☐ A. Change in displacement per unit time
 - ☐ B. Displacement per unit time
 - ☒ C. Change in velocity per unit time
 - ☐ D. Distance per unit time

Q.16 An electron enters a uniform magnetic field at right angles to it. If the magnetic field is directed into the page and the electron enters toward the right, what is the direction of the force acting on the electron?

- Ans
- ☐ A. upward
 - ☐ B. out of the page
 - ☐ C. into the page
 - ☒ D. downward

Q.17 Identify the CORRECTLY matched cell-structure pair.

- Ans
- ☒ A. Eukaryotic Cell – Membrane-bound Endoplasmic Reticulum
 - ☐ B. Bacteria Cell – Well-defined Nucleus
 - ☐ C. Prokaryotic Cell – Mitochondria
 - ☐ D. Animal Cell – Cell Wall

Q.18 A student observes the reaction between zinc and sulfur resulting in a compound. Which property of metals is demonstrated when zinc combines with a non-metal like sulfur?

- Ans
- ☐ A. Zinc acts as an oxidizing agent
 - ☒ B. Zinc acts as a reducing agent
 - ☐ C. Zinc acts as a solvent
 - ☐ D. Zinc acts as a catalyst

Q.19 Which mechanism allows the sensitive plant to move its leaves immediately after being touched?

- Ans**
- ☒ A. Changing the amount of water in certain cells
 - ☐ B. Specialized nervous tissue
 - ☐ C. Electrical impulses in muscle tissue
 - ☐ D. Use of animal-like proteins

Q.20 A student mixes a non-metallic oxide with a base and observes neutralization. What does this suggest about the properties of the substances involved?

- Ans**
- ☐ A. Both substances are neutral
 - ☐ B. The base acts as an acid
 - ☒ C. The non-metallic oxide acts as an acid
 - ☐ D. The non-metallic oxide acts as a base

Q.21 Unsaturated hydrocarbons usually undergo which of the following reaction mechanisms?

- Ans**
- ☐ A. Neutralization
 - ☐ B. Combustion
 - ☒ C. Addition
 - ☐ D. Substitution

Q.22 A biologist studies nutrient-rich waters that support large fish populations near continental coasts. Which physical mechanism naturally brings nutrients from deep to surface waters?

- Ans**
- ☐ A. Planetary winds at the equator
 - ☐ B. Movement of surface water only
 - ☒ C. Upwelling caused by ocean currents
 - ☐ D. Salinity stratification at depth

Q.23 When an object of mass m is moving with a velocity v , its kinetic energy is K , what will be its kinetic energy if its velocity is doubled?

- Ans**
- ☐ A. $2K$
 - ☒ B. $4K$
 - ☐ C. K
 - ☐ D. $3K$

Q.24 A city observes increased waste generation due to lifestyle changes and disposable packaging. What is the most effective solution to minimize environmental impact according to waste management principles?

- Ans**
- ☐ A. Ignoring segregation and focusing only on biodegradable waste
 - ☒ B. Promoting segregation and recycling of non-biodegradable waste
 - ☐ C. Burning all waste to reduce volume
 - ☐ D. Increasing landfill space for all waste

Q.25 A worker has to raise a heavy load to a certain height. Four ideal machines are available. Their mechanical advantages are given below:

Machine P: $MA = 0.5$

Machine Q: $MA = 0.8$

Machine R: $MA = 2$

Machine S: $MA = 4$

Assume all machines are frictionless and the load must be lifted through the same vertical height.

Which of the following statements is correct?

- Ans**
- ☐ A. Machine S performs less work than the other machines.
 - ☐ B. Machines R and S require the same effort since the load is unchanged.
 - ☐ C. Machine P requires the least effort because it has the smallest MA.
 - ☒ D. Machine S requires the least effort but the effort moves through the greatest distance.

Section : Mathematics

Q.26 A delivery rider starts 6 minutes 40 seconds late but still manages to reach a destination 21 km away on time by riding 12 km/hr faster than his usual speed. What is his usual speed in km/hr?

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

Q.27 A certain sum is divided into two parts in the ratio 8 : 5. If one part is ₹306 more than the other, then find the sum (in ₹).

- Ans**
- ☐ A. 1,122
 - ☐ B. 816
 - ☐ C. 510
 - ☒ D. 1,326

Q.28 In an election between two candidates 80 % of the registered voters cast their vote and 10 % of the votes polled were found invalid. Winning candidate got 55% of the valid votes and won the election by a margin of 378 votes. How many voters were registered?

- Ans**
- ☐ A. 5251
 - ☒ B. 5250
 - ☐ C. 5249
 - ☐ D. 5253

Q.29 A ladder is leaning against a vertical wall. The ladder is 25 meters long and makes an angle of 30 degrees with the ground. How high does the ladder reach up the wall?

- Ans**
- ☒ A. 12.5 meters
 - ☐ B. 15 meters
 - ☐ C. 25 meters
 - ☐ D. 21.7 meters

Q.30 Two cubes, each with a volume of 216 cm^3 , are joined together end to end. The surface area of the resulting cuboid is:

- Ans**
- ☐ A. 300 cm^2
 - ☐ B. 406 cm^2
 - ☒ C. 360 cm^2
 - ☐ D. 495 cm^2

Q.31 A solid cone is melted and recast into a solid cylinder having the same radius as the cone. Find the ratio of the height of the cone to the height of the cylinder.

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

Q.32 Arvind bought an article for ₹x. He sold it to Biru at a loss of 10%. Biru spent ₹135 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1,728, then what is the value of x?

- Ans**
- ☐ A. 1,140
 - ☒ B. 1,130
 - ☐ C. 1,150
 - ☐ D. 1,080

Q.33 Giri covers a distance of 56 km in 7 hours. He covers the distance partly on foot at a speed of 6 km/h and partly on a bicycle at a speed of 11 km/h. What is the distance covered by him on the bicycle?

- Ans**
- ☐ A. 30.5 km
 - ☐ B. 30.7 km
 - ☐ C. 30.2 km
 - ☒ D. 30.8 km

Q.34 Find the least value of $(3K^2-2)$ for which six digits number 7K8508 is divisible by 6.

- Ans**
- ☐ A. 8
 - ☐ B. 14
 - ☐ C. 17
 - ☒ D. 10

Q.35 A, B, and C invest ₹5,000, ₹7,000, and ₹8,000 in a business. If profit is ₹4,000, find A's share.

- Ans**
- ☐ A. ₹1,200
 - ☐ B. ₹1,400
 - ☒ C. ₹1,000
 - ☐ D. ₹1,100

Q.36 A dataset has a mean μ , median M , and mode m , following the empirical formula $m = 3M - 2\mu$. Each data point x undergoes a linear transformation given by $x' = kx + d$, where k and d are constants.

The transformed dataset has a new mean μ' , median M' , and mode m' .

Which of the following options correctly represents μ' , M' , and m' while ensuring that the empirical relationship remains valid?

- Ans**
- ☐ A. $\mu' = k\mu + d$, $M' = kM + d$, $m' = k(m + d)$
 - ☐ B. $\mu' = k\mu$, $M' = kM + d$, $m' = km + d$
 - ☒ C. $\mu' = k\mu + d$, $M' = kM + d$, $m' = km + d$
 - ☐ D. $\mu' = k\mu + d$, $M' = kM$, $m' = km + d$

Q.37 Given that $\angle F = \angle Z$ and $DF = XZ$, which of the following condition $\triangle XYZ$ to be congruent?



- Ans**
- ☐ A. $DE = XY$ by SSS criteria
 - ☐ B. $DE = XY$ by SAS criteria
 - ☐ C. $EF = YZ$ by SSA criteria
 - ☒ D. $EF = YZ$ by SAS criteria

Q.38 Two partners, A and B, invested ₹1,50,000 and ₹1,80,000, respectively, in a business. They agreed to distribute 50% of the profit equally and the remaining 50% in proportion to their capital investments. If B receives ₹46,000 as his share of the total profit, find the total profit.

- Ans**
- ☒ A. ₹86,000
 - ☒ B. ₹88,000
 - ☒ C. ₹96,000
 - ☒ D. ₹98,000

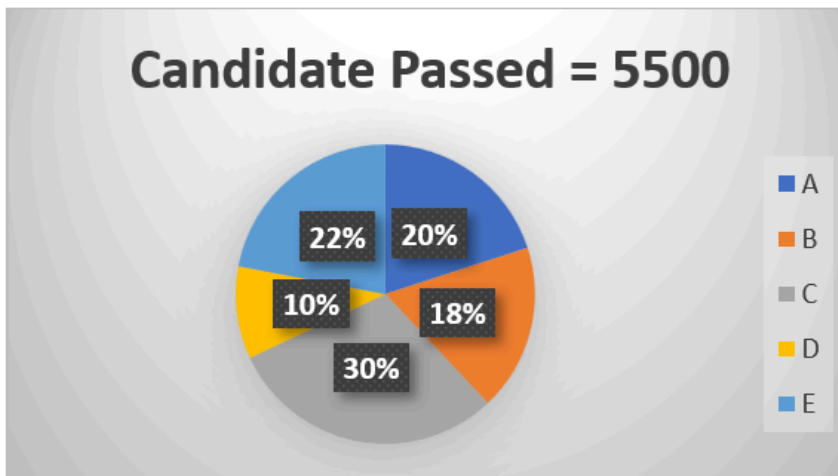
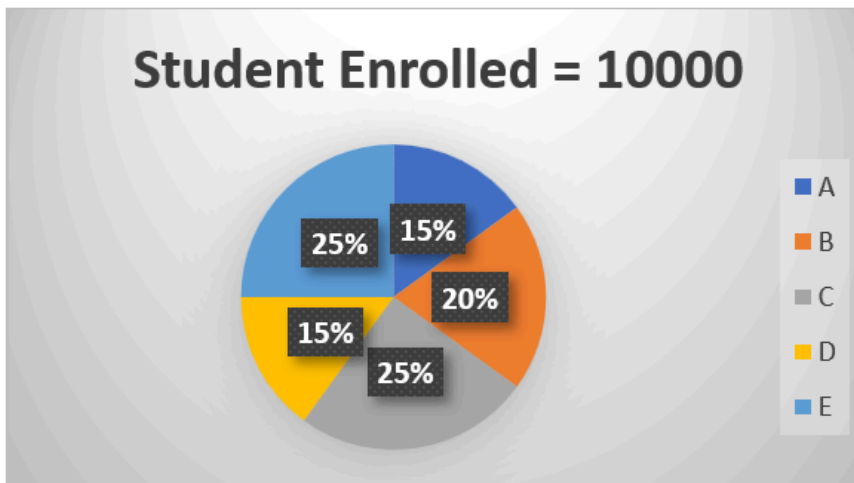
Q.39 A sum of ₹2,20,000 is invested for 1 year at 4% per annum, compounded half yearly. What is the compound interest earned at the end of the year?

- Ans**
- ☒ A. ₹8,888
 - ☒ B. ₹9,551
 - ☒ C. ₹9,364
 - ☒ D. ₹8,648

Q.40 A certain sum of money becomes three times its original value in 4 years when invested at compound interest, compounded annually. In how many years will the same sum become nine times its original value at the same rate of interest?

- Ans**
- ☒ A. 6 years
 - ☒ B. 5 years
 - ☒ C. 9 years
 - ☒ D. 8 years

- Q.41 The given pie charts represent distribution of candidates who were enrolled for MBBS entrance exam and the candidates (out of those enrolled) who passed the exam in different institutes (A, B, C, D and E).



For Institutes A and E together, what is the percentage of candidates who passed out of the total candidates enrolled?

- Ans ☒ A. 57.75%
☐ B. 42.25%
☐ C. 62.25%
☐ D. 64.75%

- Q.42 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 74% and 72%, shop II allows successive discounts of 12% and 70%, shop III allows successive discounts of 51% and 92% and shop IV allows successive discounts of 29%, 78% and 56% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans ☐ A. IV
☐ B. II
☐ C. I
☒ D. III

- Q.43 In an election, A gets 63.2% of the votes polled. If the total number of voted polled is 5000, how many votes did A get?

- Ans ☐ A. 3580
☐ B. 2580
☐ C. 2760
☒ D. 3160

Q.44 A, B and C together finish a work in 2 days. If A alone can finish the same work in 4 days and B in 8 days, find how long (in days) will C take to finish twice the same work?

- Ans
- ☐ A. 17
 - ☐ B. 9
 - ☐ C. 8
 - ☒ D. 16

Q.45 Given that $102^{0.63} = x$, $102^{0.94} = y$ and $x^z = y^5$, then the value of z is close to:

- Ans
- ☒ A. 7.46
 - ☐ B. 6.41
 - ☐ C. 8.63
 - ☐ D. 9.71

Q.46 The average of five numbers is 18.45. What is the sum of the five numbers?

- Ans
- ☐ A. 84.25
 - ☐ B. 95.25
 - ☒ C. 92.25
 - ☐ D. 90.25

Q.47 The 7-digit number 36A836B is divisible by 3. What is the minimum value of (A + B)?

- Ans
- ☐ A. 4
 - ☐ B. 6
 - ☐ C. 5
 - ☒ D. 1

Q.48 Find the weighted arithmetic mean of the first 6 multiples of 8, where each multiple's weight is half of its value. Give your answer correct to two decimal places.

- Ans
- ☐ A. 52.52
 - ☐ B. 25.36
 - ☒ C. 34.67
 - ☐ D. 43.67

Q.49 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 2 months.

- Ans
- ☐ A. 15
 - ☒ B. 90
 - ☐ C. 7.50
 - ☐ D. 27.50

Q.50 The angle of elevation of the top of a tower from a point on the ground is 45° . Moving 24 m directly towards the base of the tower, the angle of elevation changes to 60° . What is the height of the tower?

(Use $\sqrt{3} = 1.732$, and round off your answer to two decimal places.)

- Ans
- ☒ A. 56.78 m
 - ☐ B. 53.78 m
 - ☐ C. 55.78 m
 - ☐ D. 54.78 m

Q.51 If 2 is subtracted from each odd digit and 1 is added to each even digit in the number 724859758586, 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. 11
 - ☐ B. 10
 - ☒ C. 12
 - ☐ D. 13

Q.52 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) Y is taller than only one stick. D is shorter than H but taller than V.
(II) D is taller than N.

- Ans**
- ☐ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☐ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☒ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☐ D. Both statements I and II together are NOT sufficient to answer the question

Q.53 Seven boxes, G, H, I, B, C, D and E, are kept one over the other, but not necessarily in the same order. Only two boxes are kept between C and H. Only B is kept above D. No box is kept below H. I is kept at some place below G but at some place above E. Which box is kept third above E?

- Ans**
- ☐ A. C
 - ☐ B. E
 - ☒ C. G
 - ☐ D. D

Q.54 Each vowel in the word VATLETS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

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

Q.55 58 is related to 233 following a certain logic. Following the same logic, 77 is related to 309. To which of the given options is 46 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 156
 - ☐ B. 124
 - ☐ C. 144
 - ☒ D. 185

Q.56 Seven boxes, A, B, C, D, E, F, and G, are stacked vertically. F is placed second from the top. G is placed immediately below E. Only one box is placed between D and E. D is placed fourth from the bottom. B is placed immediately below F. A is placed in one of the positions above C. What is the position of G?

- Ans**
- ☐ A. Top-most
 - ☐ B. Second from top
 - ☒ C. Bottom-most
 - ☐ D. Second from bottom

Q.57 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☒ A. 2
 - ☐ B. 5
 - ☐ C. R
 - ☐ D. K

Q.58 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.

IRON - NORI - RION
MILE - ELIM - IMLE

- Ans**
- ☐ A. HOPE - HPEO - EPHO
 - ☒ B. REST - TSER - ERST
 - ☐ C. FIND - DINF - FNID
 - ☐ D. PLAN - PALN - PLNA

Q.59 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 4 7 4 4 9 6 6 4 3 3 4 7 5 7 5 9 1 2 3 6 5 3 5 6 9 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 even number?

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

Q.60 Each of C, D, E, F, J, K and L has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have exams before F. Only one person has exam after D. Only three people have exams between F and L. Only one person has exam between J and K. E has exam immediately before J. How many people have exams between C and J?

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

- Q.61** 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 Lg related to Rv if 'Rv - Qe # Hp + Ki # Lg'?

- Ans** ☐ A. Brother
☒ B. Father
☐ C. Sister
☐ D. Son

- 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 - B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to K if 'M - E % W @ P # K'?

- Ans** ☐ A. Brother's daughter
☐ B. Husband's brother's daughter
☐ C. Brother's wife
☒ D. Husband's brother's wife

- Q.63** Ankit starts from Point A and drives 12 km towards East. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 12 km. He takes the 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° turns only unless specified.)

- Ans** ☒ A. 5 km to South
☐ B. 4 km to South
☐ C. 3 km to South
☐ D. 5 km to North

- 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 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. HE-BY
☐ B. AX-UR
☒ C. PM-II
☐ D. FC-ZW

- 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 is the one that does not belong to that group?

- Ans** ☐ A. ZXV
☐ B. XVT
☐ C. RPN
☒ D. QOL

- 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 engineers are artists.
Some artists are dancers.

Conclusions:

(I) Some dancers are engineers.
(II) Some artists are engineers.

- 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.67 Each letter in the word HACKING is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

- Ans ☐ A. Three
☐ B. Five
☒ C. Two
☐ D. Six

- Q.68 Seven friends, B, C, D, T, U, V and W, are sitting around a circular table facing the center of the table. Only one person sits between B and C, when counted from the left of C. W sits third to the right of U. V sits third to the left of T. W sits to the immediate right of V. D is not an immediate neighbor of V. How many people sit between D and C, when counted from the right of D?

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

- 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 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.)

(21, 441, 11)
(16, 256, 6)

- Ans ☐ A. (13, 169, 4)
☒ B. (19, 361, 9)
☐ C. (25, 625, 8)
☐ D. (22, 484, 11)

Q.70 This question is based on the following words.

APE CAR FAR RED

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.71 This question is based on the five, three-digit numbers given below.

(Left) 327 914 924 512 458 (Right)

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

In how many numbers is the sum of the second digit and the third digit of a number is exactly divisible by 3?

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

Q.72 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BIK : FEI

KKM : O GK

- Ans** ☐ A. GEH : KAE
☒ B. LSU : POS
☐ C. BLO : FHL
☐ D. K VX : O QV

Q.73 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$11 - 3 \div 14 + 15 \times 5 = ?$$

- Ans** ☐ A. 52
☐ B. 35
☒ C. 44
☐ D. 29

Q.74 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$61 - 5 + 231 \times 21 \div 33 = ?$$

- Ans** ☐ A. 324
☒ B. 327
☐ C. 320
☐ D. 333

Q.75 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) Y B \$ A W M & # J Q Z F L @ R H * T C D S (Right)

How many such symbols are there which are immediately preceded by another symbol and also immediately followed by a letter ?

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

Q.76 A, B, C, D, E and F are sitting around a circular table, facing the centre. C sits third to the right of B. D sits to the immediate left of A. D is not an immediate neighbour of B. F sits to the immediate right of E. The position(s) of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A?

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

Q.77 What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

WHO AKS ENW IQA ?

- Ans** ☐ A. LSF
☐ B. NUD
☐ C. NTF
☒ D. MTE

Q.78 DEGH is related to FGJI in a certain way based on the English alphabetical order. In the same way, KLNO is related to MNPQ. To which of the following is UVXY related, following the same logic?

- Ans** ☐ A. XYZB
☒ B. WXZA
☐ C. XWZC
☐ D. WXZB

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

9, 19, 30, 42, 55, ?

- Ans** ☐ A. 71
☒ B. 69
☐ C. 70
☐ D. 68

Q.80 Mr. Tosi starts from Point A and drives 11 km towards the East. He then takes a left turn, drives 12 km, then turns left and drives 23 km. He then takes a left turn and drives 19 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-degree turns only unless specified.)

- Ans** ☐ A. 8 km to the West
☐ B. 7 km to the South
☒ C. 7 km to the North
☐ D. 9 km to the East

Section : General Awareness and Current Affairs

Q.81 Who authored the coffee table book 'Atal Bihari Vajpayee: The Eternal Statesman' launched at Dr. Ambedkar International Centre in February 2026?

- Ans**
- ☐ A. C. P. Radhakrishnan
 - ☐ B. Murli Manohar Joshi
 - ☐ C. Ashim Kumar Ghosh
 - ☒ D. Vijay Goel

Q.82 In May 2026, who among the following launched the Common Landing Portal for Unclaimed Financial Assets to facilitate easier access to information relating to unclaimed financial assets?

- Ans**
- ☒ A. Department of Financial Services
 - ☐ B. Department of Revenue
 - ☐ C. Department of Economic Affairs
 - ☐ D. Department of Banking Affairs

Q.83 Under India's hypersonic missile development program, which institution has successfully completed a long-duration ground test of an actively cooled, full-scale scramjet combustor in May 2026?

- Ans**
- ☐ A. Hindustan Aeronautics Limited
 - ☐ B. Bharat Electronics Limited
 - ☐ C. Indian Space Research Organisation
 - ☒ D. Defence Research and Development Organisation

Q.84 What is the primary purpose of the Delegation of Financial Powers to DRDO (DFP-2026) released in June 2026?

- Ans**
- ☐ A. To centralize all project funding decisions
 - ☒ B. To improve efficiency and project execution
 - ☐ C. To reduce the total research budget of DRDO
 - ☐ D. To mandate the outsourcing of core research

Q.85 Which tiger reserve is slated to become the third cheetah habitat in Madhya Pradesh, according to announcements in early 2026?

- Ans**
- ☐ A. Satpura Tiger Reserve
 - ☐ B. Panna Tiger Reserve
 - ☒ C. Veerangana Durgavati Tiger Reserve
 - ☐ D. Bandhavgarh Tiger Reserve

Q.86 In 2026, Indian entrepreneur Bharat Gite was honoured at the British Parliament with the "Global Inspiration of the Year 2026" award for contributions to which industry?

- Ans**
- ☐ A. Semiconductor design and fabrication
 - ☐ B. Pharmaceutical manufacturing and exports
 - ☐ C. Renewable energy storage systems
 - ☒ D. Aluminium manufacturing and innovation

Q.87 Which organisation had invoked Stage-I of the Graded Response Action Plan across Delhi-NCR in May 2026 after the Air Quality Index entered the 'Poor' category?

- Ans**
- ☐ A. National Green Tribunal
 - ☐ B. Ministry of Environment and Forests
 - ☒ C. Commission for Air Quality Management
 - ☐ D. Central Pollution Control Board

Q.88 What significant air quality milestone did Delhi-NCR achieve in 2025 by November?

- Ans**
- ☐ A. First time meeting WHO air quality standards
 - ☐ B. Lowest AQI levels ever recorded since 1990
 - ☒ C. Best average AQI in eight years
 - ☐ D. No 'poor' days throughout the year

Q.89 Which initiative was announced on 22 December 2025 for establishing a Centre of Excellence to promote CRISPR-based innovation and enable translation of laboratory research into real-world clinical applications in India?

- Ans**
- ☐ A. National Bio-Pharma Skill Development Programme
 - ☐ B. Biotechnology Industry Research Assistance Council Innovation Hub
 - ☐ C. National Centre for Genome Sequencing and Data Sharing
 - ☒ D. Centre of Excellence for CRISPR Innovation and Translation

Q.90 At the New Delhi 2026 World Para Athletics Grand Prix, which Indian para-athlete won the gold medal in the Men's Javelin Throw F43/44/64 event, leading India's podium sweep?

- Ans**
- ☐ A. Sandeep Chaudhary
 - ☐ B. Amit Kumar Saroha
 - ☒ C. Sumit Antil
 - ☐ D. Devendra Jhajharia

Q.91 In 2026, Prime Minister Narendra Modi received the "Royal Order of the Polar Star, Degree Commander Grand Cross" from which country?

- Ans**
- ☐ A. Finland
 - ☐ B. Denmark
 - ☐ C. Norway
 - ☒ D. Sweden

Q.92 Which indigenously developed third-generation fire-and-forget weapon system with top attack capability had been successfully flight-tested by DRDO against a moving target at KK Ranges, Ahilya Nagar, Maharashtra in January 2026?

- Ans**
- ☐ A. Multi Purpose Advanced Target Ground Missile
 - ☐ B. Mobile Personnel Armor Tracking Guided Missile
 - ☐ C. Medium Range Precision Assault Tactical Missile
 - ☒ D. Man Portable Anti-Tank Guided Missile (MPATGM)

Q.93 Which country had hosted the 48th edition of the Dakar Rally 2026 conducted from 03 January to 17 January 2026 with the start and finish line located in Yanbu?

- Ans**
- ☐ A. Qatar
 - ☐ B. United Arab Emirates
 - ☐ C. Bahrain
 - ☒ D. Saudi Arabia

Q.94 Which international financial institution published the "Women, Business and the Law 2026" report highlighting gaps in the enforcement of women's economic rights?

- Ans**
- ☐ A. United Nations Development Programme
 - ☐ B. International Monetary Fund
 - ☐ C. Organisation for Economic Co-operation and Development
 - ☒ D. World Bank Group

Q.95 Which cricketer had been awarded the ICC Men's Player of the Month title for December 2025 following outstanding performances in international cricket?

- Ans**
- ☐ A. Justin Greaves
 - ☒ B. Mitchell Starc
 - ☐ C. Jacob Duffy
 - ☐ D. Pat Cummins

Q.96 In February 2026, at which venue in the United Arab Emirates was the 3rd International AYUSH Conference and Expo organized?

- Ans**
- ☐ A. Abu Dhabi National Exhibition Centre, Abu Dhabi
 - ☒ B. Dubai World Trade Centre (DWTC), Dubai
 - ☐ C. Qatar National Convention Centre, Doha
 - ☐ D. Sharjah Expo Centre, Sharjah

Q.97 What is the primary objective of the Khelo India program as reflected through events like the Beach Games in Diu and Tribal Games in Chhattisgarh?

- Ans**
- ☐ A. Expanding international sports participation
 - ☒ B. Promoting inclusivity and regional sports development
 - ☐ C. Establishing professional sports leagues
 - ☐ D. Increasing sports broadcasting in India

Q.98 The Ministry of Women and Child Development celebrated the 8th edition of Poshan Pakhwada from 9 to 23 April 2026. What was the theme of Poshan Pakhwada 2026?

- Ans**
- ☐ A. Promoting Maternal Health and Early Childhood Care Services
 - ☐ B. Enhancing Community Participation for Holistic Nutrition Outcomes
 - ☒ C. Maximizing Brain Development in the First Six Years of Life
 - ☐ D. Strengthening Adolescent Nutrition and Healthy Lifestyle Practices

Q.99 India had participated in the joint military Exercise LAMITIYE-2026 with the defence forces of which country?

- Ans**
- ☐ A. Maldives
 - ☒ B. Seychelles
 - ☐ C. Mauritius
 - ☐ D. Sri Lanka

Q.100 In May 2026, the Indian Cyber Crime Coordination Centre (I4C) signed a Memorandum of Understanding (MoU) with which organization to strengthen AI-driven detection of mule accounts and combat cyber-enabled financial frauds?

- Ans**
- ☐ A. Indian Computer Emergency Response Team (CERT-In)
 - ☐ B. National Informatics Centre (NIC)
 - ☒ C. Reserve Bank Innovation Hub (RBIH)
 - ☐ D. National Payments Corporation of India (NPCI)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Prajna Mandapam
Test Date	20/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 How does Paramecium ingest food?

- Ans
- ☒ A. By moving cilia toward a specific spot
 - ☐ B. By changing its entire body shape
 - ☐ C. By direct absorption across the surface
 - ☐ D. By extending temporary pseudopodia

Q.2 Which of the following is NOT a characteristic of substitution reactions in alkanes ?

- Ans
- ☐ A. Multiple products may form
 - ☐ B. One atom replaces another
 - ☐ C. Occurs in presence of sunlight
 - ☒ D. Double bond is broken

Q.3 Two identical bulbs are connected in parallel to a battery. If one bulb burns out, what happens to the brightness of the other bulb?

- Ans
- ☐ A. Both bulbs turn off.
 - ☐ B. The brightness of the other bulb increases.
 - ☒ C. The brightness of the other bulb remains unchanged.
 - ☐ D. The brightness of the other bulb decreases.

Q.4 Which of the following defects of vision is corrected using a concave lens?

- Ans
- ☐ A. Presbyopia
 - ☐ B. Hypermetropia
 - ☒ C. Myopia
 - ☐ D. Astigmatism

Q.5 Which of the following groups of organisms are NOT classified as consumers?

- Ans
- ☐ A. Carnivores
 - ☐ B. Herbivores
 - ☐ C. Decomposers
 - ☒ D. Producers

Q.6 What sort of flame is produced when unsaturated carbon compounds are burnt in air?

- Ans
- ☐ A. a blue flame with lots of black smoke
 - ☐ B. a yellow flame with no smoke
 - ☐ C. a clean flame
 - ☒ D. a yellow flame with lots of black smoke

Q.7 Which organelle is physically continuous with the nuclear envelope?

- Ans**
- ☐ A. Mitochondria
 - ☐ B. Golgi Body
 - ☒ C. Endoplasmic Reticulum
 - ☐ D. Lysosome

Q.8 A clinician differentiates two bacteria using the classification hierarchy: same order but different families. Which conclusion does this indicate?

- Ans**
- ☒ A. They share only the order level
 - ☐ B. They share order and family, but not genus or species
 - ☐ C. They share only the family level
 - ☐ D. They share order and class, but not family

Q.9 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): Carbon dioxide is a reactant in aerobic respiration.

Reason (R): Carbon dioxide is released during the oxidation of glucose.

- 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 but R is not the correct explanation of A
 - ☒ D. A is false, but R is true

Q.10 Anodising is a process used to improve the appearance and durability of aluminium articles. Which of the following statements best explains the principle behind anodising?

- Ans**
- ☐ A. Aluminium is made the cathode in electrolysis to reduce oxide layer.
 - ☐ B. Aluminium is dipped in alkali to increase its reactivity.
 - ☒ C. Aluminium is made the anode and oxidised to form a thicker protective oxide layer.
 - ☐ D. Aluminium is coated with zinc to prevent rusting.

Q.11 Which method is appropriate for finding the distance travelled by an object when its velocity-time graph is a straight line sloping upwards from the origin?

- Ans**
- ☐ A. Read the final velocity value from the graph
 - ☐ B. Subtract the initial time from the final time
 - ☒ C. Calculate the area under the velocity-time graph for the given interval
 - ☐ D. Calculate the slope of the velocity-time graph

Q.12 Which of the following is a characteristic of a colloidal solution?

- Ans**
- ☐ A. The solute particles can be seen with the naked eye.
 - ☐ B. The solute particles settle down on standing.
 - ☐ C. The solute particles do not scatter a beam of light.
 - ☒ D. The solute particles scatter a beam of light but do not settle down.

Q.13 In a comparative study, some unicellular organisms from a hay infusion display flexible shapes and engulf food particles, while others have a rigid outer covering and are green in color. Which conclusion best explains the observed differences?

- Ans**
- ☐ A. Chlorophyll is absent in all
 - ☒ B. Protists vary in structure and nutrition
 - ☐ C. All protists are prokaryotic
 - ☐ D. Monera have similar cell walls

Q.14 If a 4 kg object is moving at 3 m/s and another 2 kg object is moving at 6 m/s, which one has more kinetic energy?

- Ans**
- ☒ A. The 2 kg object moving at 6 m/s
 - ☐ B. Both objects have equal kinetic energy
 - ☐ C. Neither object has kinetic energy
 - ☐ D. The 4 kg object moving at 3 m/s

Q.15 Which of these structures carries urine from the kidneys to the bladder?

- Ans**
- ☐ A. Intestines
 - ☒ B. Ureters
 - ☐ C. Trachea
 - ☐ D. Urethra

Q.16 Which gas is usually released when acid reacts with metals?

- Ans**
- ☐ A. chlorine
 - ☐ B. nitrogen
 - ☒ C. hydrogen
 - ☐ D. carbon dioxide

Q.17 What does the atomic number of an element represent?

- Ans**
- ☐ A. Number of isotopes
 - ☐ B. Number of electrons and neutrons
 - ☐ C. Number of neutrons only
 - ☒ D. Number of protons

Q.18 Which of the following best describes why the unit of force is chosen as newton?

- Ans**
- ☐ A. It changes the value of acceleration
 - ☐ B. It simplifies the calculation of velocity
 - ☐ C. It makes mass and acceleration equal in value
 - ☒ D. It makes the constant k in the formula " $F = k ma$ " equal to 1

Q.19 Consider the reaction: $\text{HCl(aq)} + \text{NaOH(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(l)}$

This reaction is best classified as which type of chemical reactions?

- Ans**
- ☐ A. Decomposition reaction
 - ☐ B. Displacement reaction
 - ☒ C. Neutralization reaction
 - ☐ D. Combination reaction

Q.20 According to the Rutherford's model, what is the main characteristic of an atom's nucleus?

- Ans**
- ☐ A. It is large and negatively charged
 - ☐ B. It is spread throughout the atom
 - ☐ C. It contains only electrons
 - ☒ D. It is small, dense, and positively charged

Q.21 What is the main purpose of filling electric bulbs with nitrogen and argon gases?

- Ans**
- ☒ A. To prolong the life of the filament
 - ☐ B. To make the bulb transparent
 - ☐ C. To cool the filament rapidly
 - ☐ D. To increase the brightness of the bulb

Q.22 For any object position, what can be said about the size of the image formed by a concave lens?

- Ans
- ☐ A. It is sometimes enlarged and sometimes diminished
 - ☒ B. It is always diminished compared to the object
 - ☐ C. It is always the same size as the object
 - ☐ D. It is always magnified compared to the object

Q.23 A eukaryotic cell that performs its functions and undergoes programmed cell death when no longer required is best described as a _____.

- Ans
- ☐ A. Tumour cell
 - ☐ B. Bacterial cell
 - ☐ C. Malignant cell
 - ☒ D. Normal cell

Q.24 How does the human ear respond to frequencies below 20 Hz?

- Ans
- ☐ A. The human ear converts low frequencies into high frequencies
 - ☐ B. The human ear amplifies only high frequencies
 - ☐ C. The human ear can hear all frequencies below 20 Hz
 - ☒ D. The human ear cannot hear frequencies below 20 Hz

Q.25 The force applied by a person to operate a machine is known as _____.

- Ans
- ☐ A. Load
 - ☐ B. Fulcrum
 - ☒ C. Effort
 - ☐ D. Resistance

Section : Mathematics

Q.26 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 percent does her income increase?

- Ans
- ☐ A. 1%
 - ☒ B. 4%
 - ☐ C. 6%
 - ☐ D. 3%

Q.27 The radius of a circle inscribed in a square is $5\sqrt{7}$ cm. Find the area (in cm^2)
(Use $\pi = \frac{22}{7}$)



- Ans
- ☐ A. 550
 - ☒ B. 1,100
 - ☐ C. 1,000
 - ☐ D. 1,155

Q.28 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 66% and 81%, shop II allows successive discounts of 42% and 41%, shop III allows successive discounts of 57% and 99% and shop IV allows successive discounts of 35%, 32% and 15% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans
- ☐ A. II
 - ☐ B. IV
 - ☒ C. III
 - ☐ D. I

Q.29 Kaushal travelled for 24 hours 56 minutes at the speed of 90 km/h. At what speed (in km/h) should he travel to cover the same distance in 17 hours?

- Ans**
- ☐ A. 135
 - ☐ B. 131
 - ☐ C. 130
 - ☒ D. 132

Q.30 10 years ago, Elephant was five times older than Giraffe. Five years from now, the age of Elephant will be twice the age of the Giraffe. What was the sum of the age of Elephant and Giraffe five years ago?

- Ans**
- ☐ A. 50 years
 - ☒ B. 40 years
 - ☐ C. 45 years
 - ☐ D. 35 years

Q.31 A dishonest dealer professes to sell his goods at C.P, but he cheats by 7% while purchasing and 9% while selling. What percent of profit does he gain?

- Ans**
- ☐ A. 12.25%
 - ☐ B. 17.20%
 - ☐ C. 14%
 - ☒ D. 16.63%

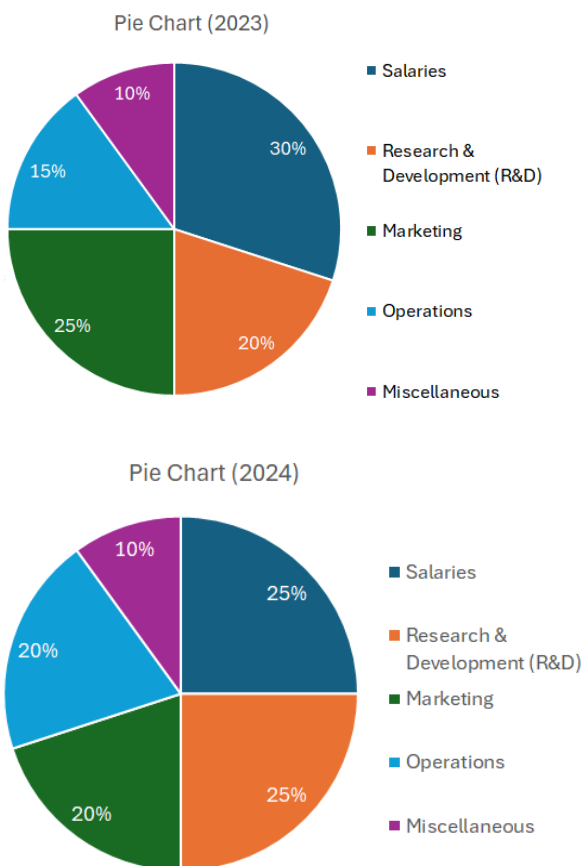
Q.32 What is the least value that must be assigned to A so that the number 604A4744 is divisible by 3?

- Ans**
- ☐ A. 8
 - ☒ B. 1
 - ☐ C. 7
 - ☐ D. 4

Q.33 A vendor buys lemons at the rate of 28 for ₹1. How many lemons should he sell for ₹1 to earn a profit of 75%?

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

- Q.34** The two pie charts show the distribution of annual expenditure of a company for 2023 and 2024.
 The total expenditure was ₹4 crore in 2023 and ₹5 crore in 2024.



Which category recorded the highest increase in expenditure from 2023 to 2024?

- Ans** ☒ A. Research & Development (R&D)
☒ B. Salaries
☒ C. Marketing
☒ D. Operations

- Q.35** Rahul sells fruit juice by mixing fruit and water in the ratio of 17 : 8. S
 mixture by mixing in litres of water with 153 litres of fruit, following R

- Ans** ☒ A. 5
☒ B. 3
☒ C. 6
☒ D. 9

- Q.36** The surface area of a sphere is numerically equal to the volume of a hemisphere of radius $\frac{R}{2}$ cm. If the surface area of the sphere is $v \text{ cm}^2$, then find the value of $\left(\frac{12v}{\pi}\right)^{\frac{1}{3}}$ in terms of R .

- Ans** ☒ A. $2R$
☒ B. R^3
☒ C. R^2
☒ D. R

Q.37 Nitin can prepare one wooden shoe-stand in 2 days, and Pravin can prepare the same shoe-stand in 4 days. If they work together, in how many days will they prepare 117 shoe-stands?

- Ans** ☒ A. 152
☒ B. 156
☒ C. 160
☒ D. 158

Q.38 Find the value of y , if $29 \times 6 \times 780 \div \sqrt{2704} = y + 602$

- Ans** ☒ A. 1998
☒ B. 2016
☒ C. 2007
☒ D. 2008

Q.39 A sum of ₹1,000 is invested for 2 years at 10% per annum. Find the difference between the compound interest and the simple interest (in ₹), if the interest is compounded annually.

- Ans** ☒ A. 40
☒ B. 30
☒ C. 10
☒ D. 20

Q.40 Find the value of $x + \frac{1}{x}$ if $\sqrt{x} + \frac{1}{\sqrt{x}} = 3$.

- Ans** ☒ A. 9
☒ B. 5
☒ C. 11
☒ D. 7

Q.41 A shopkeeper mixes two types of rice to sell as a single blend. He mixes 4 kg of Basmati rice priced at ₹120 per kg with 6 kg of Sona Masuri rice priced at ₹80 per kg. At what price per kg should he sell the mixture to make no profit or loss?

- Ans** ☒ A. ₹96
☒ B. ₹88
☒ C. ₹100
☒ D. ₹90

Q.42 At what rate of interest per annum will a sum of money become 40 times its original amount in 2 years, if the interest is compounded annually? (Give your answer correct to one decimal place.)

- Ans** ☒ A. 532.5%
☒ B. 538.3%
☒ C. 537.9%
☒ D. 529.3%

Q.43 A bag contains 50-paise, ₹1, and ₹2 coins in the ratio 2 : 5 : 8. If the total value of all the coins is ₹352, find the total number of coins in the bag.

- Ans** ☒ A. 260
☒ B. 215
☒ C. 235
☒ D. 240

Q.44 If the mean of the following data is 47, then what is the value of x?

Class	20-30	30-40	40-50	50-60	60-70
Frequency	44	50	16	20	x

- Ans
- ☒ A. 61
 - ☒ B. 80
 - ☒ C. 68
 - ☒ D. 66

Q.45 In a class, the average score of 25 students is 80. If the average score of 15 of these students is 85, what is the average score of the remaining students?

- Ans
- ☒ A. 72
 - ☒ B. 73
 - ☒ C. 72.5
 - ☒ D. 73.5

Q.46 The perimeter of a square is 28 cm, find its area.

- Ans
- ☒ A. 28 cm²
 - ☒ B. 64 cm²
 - ☒ C. 49 cm²
 - ☒ D. 84 cm²

Q.47 Two trains, P and Q, start from stations S and T towards each other. They take 4 hours 48 minutes and 3 hours 20 minutes to reach T and S, respectively. If train P is running at 45 km/hr, then the speed of train Q is:

- Ans
- ☒ A. 60 km/hr
 - ☒ B. 50 km/hr
 - ☒ C. 45 km/hr
 - ☒ D. 54 km/hr

Q.48 If $4\cot A = 2$, then find the value of $\frac{1 - \tan^2 A}{1 + \tan^2 A}$.

- Ans
- ☒ A. $\frac{3}{4}$
 - ☒ B. $\frac{3}{5}$
 - ☒ C. $\frac{-3}{5}$
 - ☒ D. $\frac{-3}{4}$

Q.49 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 4 months.

- Ans
- ☒ A. 35
 - ☒ B. 180
 - ☒ C. 15
 - ☒ D. 30

Q.50 If $X = \frac{1 + \sec\theta + \tan\theta}{2\tan\theta}$, then the value of $\frac{\sec\theta - 1 + \tan\theta}{\sec\theta + \tan\theta}$ is:

- Ans
- ☒ A. $\frac{1}{X}$
 - ☐ B. $1 + \frac{1}{X}$
 - ☐ C. $1 + X^2$
 - ☐ D. X

Section : General Intelligence and Reasoning

Q.51 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five people – G, H, I, J, and K – who is the youngest?

(I) H is older than G and I but younger than J.

(II) K is younger than J but older than H.

- Ans
- ☐ A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
 - ☐ B. Data in statement I alone is sufficient to answer the question while data in statement II is not.
 - ☐ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ D. Both statements I and II together are NOT sufficient to answer the question.

Q.52 Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) S N \$ \$ F \$ G © Y X M * M G # € \$ & M # Y Y (Right)

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

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

Q.53 This question is based on the given words.

CAT ARM RAG FAT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.54 Six friends E, F, G, H, L and M are sitting in a straight line facing north. Only two people sit to the left of L. Only two people sit between L and F. M sits second to the left of F. Only two people sit between M and E. L sits at some place to the right of H but at some place to the left of G. How many people sit to the left of G?

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

Q.55 Each vowel in the word EPIDERM is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

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

Q.56 If '-' means '+', 'x' means '+', '+' means 'x' and '+' means '-', then what will come in place of the question mark (?) in the following equation?

$$15 \times 4 + 6 - 3 \div 2 = ?$$

- Ans** ☒ A. 15
☒ B. 11
☒ C. 50
☒ D. 53

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 huts are dens. No den is a cave.

Conclusions:

(I) Some huts are caves.

(II) Some dens are huts.

- 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.58 K is the sister of H. M is the wife of L. H is the brother of M. L is the father of Z. How is K related to Z?

- Ans** ☒ A. Sister's husband
☒ B. Wife's father
☒ C. Mother's sister
☒ D. Brother's wife

Q.59 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 8 7 2 5 8 4 1 2 7 9 1 1 5 5 4 8 2 1 1 5 7 4 6 3 8 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. 7
☒ B. 5
☒ C. 6
☒ D. 8

Q.60 What should come in place of ? in the given series based on the English alphabetical order?

CGXA HLTE MQPI RVLM WAHQ ?

- Ans** ☒ A. BFDU
☐ B. CEDU
☐ C. CEEV
☐ D. BFEV

Q.61 This question is based on the given words.

LOG ZAG IVY DON

How many letters are there in the English alphabetical order between the second letter of the second word from the right and the first letter of the second word from the left?

- Ans** ☒ A. 3
☐ B. 2
☐ C. 4
☐ D. 5

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.

NS-LQ-JM
RW-PU-NQ

- Ans** ☐ A. TR-QP-NM
☐ B. BF-DH-FJ
☐ C. AB-CD-EF
☒ D. GL-EJ-CF

Q.63 In a certain code language, 'OVEN' is coded as '6218' and 'MOVE' is coded as '5621'. What is the code for 'N' in the given code language?

- Ans** ☒ A. 8
☐ B. 2
☐ C. 1
☐ D. 5

Q.64 In a certain code language,
A + B means 'A is the son of B'
A @ B means 'A is the sister 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 Q related to H if 'Q + W # R ÷ G @ H'?

- Ans** ☐ A. Husband
☒ B. Brother
☐ C. Father
☐ D. Son

Q.65 Each of Kavita, Mini, Tinku, Shiv, Alok, Rinku, and Farheen has exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only one person has exam between Shiv and Alok. Only two people have exam between Mini and Kavita. Tinku does not have exam on any of the days after Alok. Only two people have exam between Rinku and Mini. Only three people have exam before Mini. Rinku does not have exam on any of the days after Kavita. Farheen does not have exam immediately after Shiv. 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 one that does NOT belong to that group?

- Ans**
- ☒ A. Shiv and Mini
 - ☒ B. Rinku and Tinku
 - ☒ C. Shiv and Alok
 - ☒ D. Alok and Farheen

Q.66 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only three boxes are kept above R. Only two boxes are kept between R and T. Only S is kept above I. J is kept at some place below Q and at some place above K. How many boxes are kept between Q and T?

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

Q.67 The position(s) of how many letters will remain unchanged if each letter in the word JOURNALISM is arranged in the alphabetical order?

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

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.

BNG : DQI
UCF : WFH

- Ans**
- ☒ A. QOM : SRO
 - ☒ B. SAI : TDK
 - ☒ C. TBQ : UDT
 - ☒ D. ZLE : BOH

Q.69 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. RTV
 - ☒ B. DFH
 - ☒ C. KMO
 - ☒ D. LMQ

Q.70 What should come in place of the question mark (?) in the given series?

1 2 4 7 11 ?

- Ans**
- ☐ A. 14
 - ☐ B. 18
 - ☐ C. 15
 - ☒ D. 16

Q.71 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OUC :: RTF : %

- Ans**
- ☒ A. # = PWD, % = QRE
 - ☐ B. # = NVD, % = QGN
 - ☐ C. # = NWD, % = SRG
 - ☐ D. # = PWE, % = SUE

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 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. PI - XZ
 - ☐ B. VO - DF
 - ☐ C. JC - RT
 - ☒ D. UM - CE

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 conclusion(s) logically follow(s) from the statements.

Statements:

All buses are planes.
Some planes are trains.

Conclusions:

(I) Some buses are trains.
(II) Some trains are planes.

- 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.74 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$(4 \div 2) + 2 - 14 + 18 \times 2 - 24 = ?$

- Ans**
- ☐ A. 30
 - ☐ B. 45
 - ☐ C. 40
 - ☒ D. 35

Q.75 58 is related to 405 following a certain logic. Following the same logic, 67 is related to 468. To which of the given options is 91 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 644
☒ B. 636
☒ C. 652
☒ D. 663

Q.76 Seven students I, J, K, P, Q, R and Z are sitting in a row facing north. Z sits to the immediate left of P. Only two people sit to the left of J. Only three people sit between J and Q. Only one person sits between Q and K. R is not an immediate neighbor of Q. How many people sit to the right of I?

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

Q.77 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $36 - 1 \div 9 + 6 \times 6 = ?$

- Ans** ☒ A. 46
☒ B. 44
☒ C. 42
☒ D. 45

Q.78 Each of G, H, I, B, C, D and E has exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
Only four people have exam between H and B. E has exam on Friday. Only two people have exam between B and E. I has exam immediately after D. C doesn't have exam on Monday.
How many people have exam between C and G?

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

Q.79 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. For example, 13 — operations such as adding, subtracting, multiplying, etc., can be performed on 13 as a whole. Breaking down 13 into 1 and 3 and then performing operations on 1 and 3 is not allowed.)

5 – 25 – 35 – 70;
6 – 36 – 46 – 92

- Ans** ☒ A. 7-49-59-118
☒ B. 8-16-32-42
☒ C. 4-16-32-42
☒ D. 3-9-18-27

Q.80 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 3 5 6 9 7 3 2 4 1 8 2 5 6 9 1 4 3 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 odd digit?

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

Section : General Awareness and Current Affairs

Q.81 Which African city hosted the final match of the 2026 ICC Under-19 Men's Cricket World Cup on 6 February 2026?

- Ans**
- ☐ A. Nairobi
 - ☐ B. Lagos
 - ☐ C. Cairo
 - ☒ D. Harare

Q.82 In *State of Tamil Nadu v. Governor of Tamil Nadu*, what did the Supreme Court rule regarding the Governor's powers over state legislation?

- Ans**
- ☐ A. Governor can amend bills before assent and can send the bill back to the assembly
 - ☐ B. Governor can exercise pocket veto indefinitely
 - ☐ C. Governor has absolute veto power
 - ☒ D. The Governor must act on state bills and cannot refuse or delay them indefinitely

Q.83 In December 2025, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru and CRISPRBITS Pvt. Ltd. established which Centre for Collaborative Innovation and Translation?

- Ans**
- ☐ A. Centre for Biomedical Science and Technology
 - ☐ B. Centre for Genetic Research and Development
 - ☐ C. Centre for Biotechnology Studies
 - ☒ D. Centre of Excellence for CRISPR Innovation and Translation

Q.84 At the 2026 India-AI Impact Summit, which three pillars were emphasized to promote AI for sustainable development in climate action?

- Ans**
- ☒ A. People, Planet, and Progress
 - ☐ B. Innovation, Impact, and Integrity
 - ☐ C. Governance, Growth, and Green
 - ☐ D. Technology, Economy, and Equity

Q.85 Which country was defeated by India in the final of the ICC Under-19 Men's Cricket World Cup 2026?

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

- Q.86** Which Ministry had released the thematic SDG Bulletin reports titled "Planet in Focus: Advancing Environmental Sustainability under the SDGs" and "Delivering Prosperity at Scale: India's Economic Transformation through the SDGs" in March 2026?
- Ans** ☐ A. Ministry of Environment, Forest and Climate Change
☒ B. Ministry of Statistics and Programme Implementation
☐ C. NITI Aayog
☐ D. Ministry of Finance
- Q.87** Which of the following launched Unified Markets Interface for Tokenized Finance in October 2025?
- Ans** ☐ A. Securities and Exchange Board of India
☐ B. Infrastructure Development Finance Company (IDFC) Ltd.
☐ C. Tourism Finance Corporation of India (TFCI) Ltd.
☒ D. Reserve Bank of India
- Q.88** In January 2026, which RPF officer was conferred the Ati Vishisht Rail Seva Puraskar, the highest service honour of Indian Railways, for her outstanding work in rescuing children from child labour and trafficking?
- Ans** ☐ A. Anita Sharma
☐ B. Neelam Verma
☐ C. Madhuri Kumari
☒ D. Chandana Sinha
- Q.89** What was the theme of world earth day 2026 observed on April 22?
- Ans** ☐ A. Restore our Earth
☐ B. Invest In Our Planet
☐ C. Planet vs. Plastics
☒ D. Our Power, Our Planet
- Q.90** On 25th January 2026, the National Voters' Day was celebrated with which of the following themes?
- Ans** ☐ A. My Nation, My Voice
☐ B. My Country, My Right
☒ C. My India, My Vote
☐ D. My Democracy, My Duty
- Q.91** At the 79th British Academy Film Awards (BAFTA) 2026, held at the Royal Festival Hall in London, which actor won the Best Leading Actor award for his performance in 'I Swear'?
- Ans** ☐ A. Wagner Moura
☒ B. Robert Aramayo
☐ C. Ethan Hawke
☐ D. Sean Penn
- Q.92** Between January and April 2026, the Railway Protection Force (RPF) rescued and protected vulnerable children under which nationwide initiative?
- Ans** ☐ A. Mission Vatsalya
☒ B. Operation Nanhe Farishte
☐ C. Operation Muskaan
☐ D. Operation Smile

Q.93 Which vessel was commissioned into the Indian Navy in February 2026 at Chennai Port as the fourth ship of the Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) project?

- Ans**
- ☐ A. INS Vikrant
 - ☒ B. INS Anjadip
 - ☐ C. INS Arihant
 - ☐ D. INS Kamorta

Q.94 Which Indian armed force took part in the multinational exercise INIOCHOS-25 in Greece in 2025?

- Ans**
- ☒ A. Indian Air Force
 - ☐ B. Indian Navy
 - ☐ C. Indian Coast Guard
 - ☐ D. National Security Guard

Q.95 At which summit did India and the United States sign the Pax Silica Declaration in February 2026?

- Ans**
- ☒ A. India AI Impact Summit 2026
 - ☐ B. World Government Summit 2026
 - ☐ C. Bletchley Park AI Safety Summit 2026
 - ☐ D. Global Partnership on Artificial Intelligence Summit 2026

Q.96 Which team did Jammu and Kashmir overcome to claim their first-ever Ranji Trophy title in the 2025-26 season?

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

Q.97 In May 2026, DRDO successfully conducted a long-duration test of which indigenously developed propulsion component, marking a major breakthrough in hypersonic missile technology?

- Ans**
- ☐ A. Ramjet Propulsion Module
 - ☒ B. Actively Cooled Full Scale Scramjet Combustor
 - ☐ C. Solid Rocket Booster Motor
 - ☐ D. Cryogenic Rocket Engine

Q.98 In 2026, Indian conservation scientist Parveen Shaikh received the prestigious Whitley Award for her work in protecting which endangered bird species in the Ganga basin?

- Ans**
- ☐ A. Bengal Florican
 - ☐ B. Sarus Crane
 - ☒ C. Indian Skimmer
 - ☐ D. Great Indian Bustard

Q.99 Which of the following cites hosted the first chapter of the Khelo India Winter Games, 2026, for ice sports (Ice Hockey & Ice Skating)?

- Ans**
- ☐ A. Manali
 - ☐ B. Shimla
 - ☐ C. Gulmarg
 - ☒ D. Leh

Q.100 In a landmark judgment delivered on May 21, 2026, the Supreme Court ruled on the regularisation of contract workers, specifically concerning a 2012 Office Memorandum (OM) by the Government of Assam. Which of the following Articles did the Court rule, was getting violated?

- Ans**
- ✓ A. Article 14
 - ✗ B. Article 15
 - ✗ C. Article 21
 - ✗ D. Article 19



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	SAM Skills Development And IT Solutions Pvt Ltd
Test Date	20/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 What type of bond is formed between a metal and a non-metal?

- Ans**
- ☒ A. Covalent bond
 - ☒ B. Ionic bond
 - ☐ C. Hydrogen bond
 - ☐ D. Metallic bond

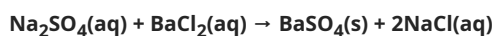
Q.2 If a car moves with a speed of 10 m/s for 5 seconds, what distance does it cover?

- Ans**
- ☐ A. 5 meters
 - ☐ B. 15 meters
 - ☒ C. 50 meters
 - ☐ D. 100 meters

Q.3 Which of the following organisms is likely to occupy more than one trophic levels?

- Ans**
- ☒ A. Peacock
 - ☐ B. Deer
 - ☐ C. Rabbit
 - ☐ D. Tiger

Q.4 Consider the reaction:



Which feature of this reaction justifies classifying it specifically as a precipitation reaction?

- Ans**
- ☒ A. Insoluble barium sulphate forms in solution
 - ☐ B. Sodium chloride remains dissolved in water
 - ☐ C. Two ionic compounds exchange partners
 - ☐ D. Reactants exist initially as aqueous solutions

Q.5 Which structure in an animal cell acts as the control centre and contains the genetic material?

- Ans**
- ☐ A. Ribosome
 - ☐ B. Endoplasmic reticulum
 - ☐ C. Vacuole
 - ☒ D. Nucleus

Q.6 Alcohol is added to petrol mainly because it is a:

- Ans**
- ☐ A. Denser fuel additive
 - ☒ B. Cleaner fuel additive
 - ☐ C. Heavier fuel additive
 - ☐ D. Stronger fuel additive

Q.7 Which of the following elements has a mass number of 40 and atomic number of 20?

- Ans**
- ☐ A. Neon
 - ☒ B. Calcium
 - ☐ C. Potassium
 - ☐ D. Sodium

Q.8 Which statement best describes the mechanical advantage of a simple machine?

- Ans**
- ☐ A. The energy supplied to the machine
 - ☐ B. The rate at which the machine performs work
 - ☒ C. The ratio of the load lifted to the effort applied
 - ☐ D. The amount of work done by the machine

Q.9 Which of the following best describes the slope of the velocity-time graph for uniform velocity?

- Ans**
- ☐ A. The slope changes at every point
 - ☒ B. The slope is zero at all points
 - ☐ C. The slope is positive and constant
 - ☐ D. The slope is negative and constant

Q.10 While operating a lever, which part serves as the fixed point around which the lever rotates?

- Ans**
- ☐ A. Effort arm
 - ☒ B. Fulcrum
 - ☐ C. Effort
 - ☐ D. Load

Q.11 A student wants to design a device where the magnetic field due to a straight conductor is maximized at a certain point. Which modification will be most effective in increasing the field strength at that point?

- Ans**
- ☐ A. Increase the thickness of the wire
 - ☐ B. Place the conductor horizontally
 - ☐ C. Use a non-magnetic wire material
 - ☒ D. Increase the current through the conductor

Q.12 Why are all appliances in a domestic circuit connected in parallel?

- Ans**
- ☐ A. To reduce the number of switches needed
 - ☐ B. To save electricity in the household
 - ☐ C. To prevent short-circuiting in wires
 - ☒ D. To ensure each appliance gets equal potential difference

Q.13 A student wants to design an experiment to demonstrate the dispersion of white light using a glass prism. Which of the following procedures would best achieve this goal?

- Ans
- ☐ A. Rotate a glass prism randomly in front of a white light source and record any color changes
 - ☐ B. Use a concave mirror to reflect the white light onto a wall
 - ☒ C. Place a triangular glass prism in the path of a narrow white light beam and observe the emerging spectrum on a white screen
 - ☐ D. Pass white light through a convex lens and look for color changes on a distant wall

Q.14 Which organ sends messages to muscles to carry out voluntary actions like writing or moving a chair?

- Ans
- ☐ A. Lungs
 - ☐ B. Stomach
 - ☐ C. Heart
 - ☒ D. Brain

Q.15 A reaction between an acid and a base produces:

- Ans
- ☒ A. Salt and water
 - ☐ B. Only salt
 - ☐ C. Hydrogen gas and metal
 - ☐ D. Only water

Q.16 A student places a small object 20 cm from a concave mirror of focal length 10 cm. According to the mirror formula, what will be the image distance?

- Ans
- ☐ A. 25 cm behind the mirror
 - ☐ B. 10 cm behind the mirror
 - ☒ C. 20 cm in front of the mirror
 - ☐ D. 15 cm in front of the mirror

Q.17 A city implements stricter vehicle emission norms, reducing smog and ground-level ozone formation. Which spheres of earth are directly influenced by this policy?

- Ans
- ☐ A. Lithosphere and atmosphere
 - ☐ B. Lithosphere and hydrosphere
 - ☐ C. Hydrosphere and biosphere
 - ☒ D. Atmosphere and biosphere

Q.18 Which of the following is secreted directly into the blood and carried to different parts of the body?

- Ans
- ☐ A. Bile juice
 - ☐ B. Pancreatic juice
 - ☒ C. Adrenaline
 - ☐ D. Saliva

Q.19 Which scenario best illustrates the use of a convex mirror based on the nature of its image?

- Ans
- ☐ A. A model uses it as a makeup mirror
 - ☒ B. A shopkeeper uses it to monitor a wide area inside the store
 - ☐ C. A scientist uses it to focus sunlight for heating
 - ☐ D. A student uses it to obtain a real, inverted image on paper

Q.20 A zoologist observes a fixed aquatic animal with no tissue differentiation but efficient water filtration. Which of the following is most likely to happen if this animal was placed in a terrestrial environment?

- Ans**
- ☒ A. It would desiccate due to inability to retain water
 - ☐ B. It would close its pores to prevent drying
 - ☐ C. It would use tentacles to trap moisture
 - ☐ D. It would move to moist areas for survival

Q.21 Which statement correctly explains the role of decomposers in an ecosystem?

- Ans**
- ☐ A. They occupy the first trophic level
 - ☐ B. They convert solar energy into chemical energy
 - ☐ C. They increase atmospheric pollution
 - ☒ D. They break down organic substances into simple inorganic substances

Q.22 Complete the analogy.
Mitochondria : Energy Release :: Chloroplast : _____.

- Ans**
- ☐ A. Genetic Transfer
 - ☐ B. Cell Digestion
 - ☐ C. Waste Removal
 - ☒ D. Food Synthesis

Q.23 Calcium carbonate is heated to produce calcium oxide and carbon dioxide; this is a type of:

- Ans**
- ☒ A. decomposition reaction
 - ☐ B. substitution reaction
 - ☐ C. displacement reaction
 - ☐ D. addition reaction

Q.24 Which of the following is a correct statement about molecules of elements?

- Ans**
- ☐ A. They are always monoatomic.
 - ☒ B. They consist of two or more atoms of the same element.
 - ☐ C. They can only exist in solid form.
 - ☐ D. They consist of two or more atoms of different elements.

Q.25 Which of the following mixtures shows the Tyndall effect but the particles settle down on standing?

- Ans**
- ☐ A. Colloid
 - ☐ B. Compound
 - ☐ C. Solution
 - ☒ D. Suspension

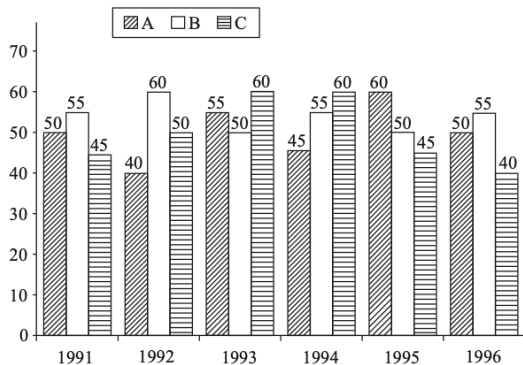
Section : Mathematics

Q.26 A car starts at a speed of 52 km/hr and increases its speed for every 30 minutes by 7 km/hr. Find the average speed (in km/hr) of the car for 3 hours.

- Ans**
- ☒ A. 69.5
 - ☐ B. 70.2
 - ☐ C. 65.6
 - ☐ D. 60.8

Q.27 Study the given graph carefully and answer the question that follows.

Production of scooters by three companies in a year (in 1000s)



What is the percentage decrease in production of scooters of company B from 1992 to 1993 rounded off to one decimal place?

- Ans**
- ☒ A. 19.2%
 - ☒ B. 17.2%
 - ☒ C. 16.7%
 - ☒ D. 18.3%

Q.28 In an election between two candidates, 18% of the registered voters did not cast their votes, and 750 of the votes cast were declared invalid. The winning candidate secured 70% of the valid votes and won by a margin of 4,620 votes. Find the total number of registered voters.

- Ans**
- ☒ A. 15,600
 - ☒ B. 16,700
 - ☒ C. 15,000
 - ☒ D. 16,200

Q.29 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 3 months.

- Ans**
- ☒ A. 135
 - ☒ B. 31.25
 - ☒ C. 11.25
 - ☒ D. 22.50

Q.30 A's age is 5 years more than twice B's age. If B is 8 years old, what is A's age?

- Ans**
- ☒ A. 16 years
 - ☒ B. 18 years
 - ☒ C. 19 years
 - ☒ D. 21 years

Q.31 S1, S2 and S3 are three shops in a straight line on a river, which flows at a constant speed from S1 towards S3. S2 is equidistant between S1 and S3. Seerat rows his boat to purchase an item from S1 to S2 and back in 12.5 hours and he can row from shop S1 to S3 in 9.5 hours. Compare the speed of his boat in still water to that of the river.

- Ans**
- ☒ A. 8:1
 - ☒ B. 8:3
 - ☒ C. 25 : 8
 - ☒ D. 25 : 6

Q.32 Varun can prepare one wooden table in 2 days, and Ashish can prepare the same table in 4 days. If they work together, in how many days will they prepare 123 tables of the same kind?

- Ans**
- ☒ A. 160
 - ☒ B. 168
 - ☒ C. 164
 - ☒ D. 166

Q.33 A vendor bought lemons at 28 for a rupee. How many must he sell for a rupee to gain 40%?

- Ans**
- ☒ A. 20
 - ☒ B. 21
 - ☒ C. 24
 - ☒ D. 22

Q.34 The following numbers are given in ascending order of their magnitudes.

20, 22, 25, 30, $x - 11$, $x - 8$, $x - 3$, 52, 60 and 68. Find the value of x if the median of the data is 39.

- Ans**
- ☒ A. 46.7
 - ☒ B. 44.6
 - ☒ C. 43.5
 - ☒ D. 48.5

Q.35 At what rate of interest per annum will a sum of money become 57 times its original amount in 2 years, if the interest is compounded annually? (Round off your answer to the nearest integer.)

- Ans**
- ☒ A. 660%
 - ☒ B. 653%
 - ☒ C. 655%
 - ☒ D. 662%

Q.36 Simplify: $\frac{\cot A + \operatorname{cosec} A - 1}{\cot A - \operatorname{cosec} A + 1}$

- Ans**
- ☒ A. $\frac{1 + \cos A}{\sin A}$
 - ☒ B. $\frac{\cos A}{\sin A}$
 - ☒ C. $\frac{1 - \cos A}{\sin A}$
 - ☒ D. $\frac{1 - \operatorname{cosec} A}{1 + \operatorname{cosec} A}$

Q.37 What is the value that must be assigned to A so that the number 391A6922 is divisible by 11?

- Ans**
- ☒ A. 7
 - ☒ B. 3
 - ☒ C. 5
 - ☒ D. 6

Q.38 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 12% and 37%, shop II allows successive discounts of 54% and 63%, shop III allows successive discounts of 28% and 83% and shop IV allows successive discounts of 19%, 59% and 25% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☒ A. III
☐ B. II
☐ C. IV
☐ D. I

Q.39 The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 12% and savings increase by 37%, then by what percent does her income increase?

- Ans** ☒ A. 2%
☐ B. 3%
☐ C. 7%
☐ D. 5%

Q.40 The diagonals of a rhombus measure 30 cm and 40 cm. Find the area and perimeter of the rhombus.

- Ans** ☐ A. Perimeter = 130 cm, Area = 700 cm²
☒ B. Perimeter = 100 cm, Area = 600 cm²
☐ C. Perimeter = 100 cm, Area = 500 cm²
☐ D. Perimeter = 140 cm, Area = 800 cm²

Q.41 In what ratio must rice at ₹20/kg be mixed with rice at ₹30/kg so that the average price is ₹25/kg?

- Ans** ☐ A. 2 : 3
☐ B. 5 : 3
☒ C. 1 : 1
☐ D. 3 : 2

Q.42 Arvind's income at first increased by 19% and later on increased again by 10%. Find the total percentage increase.

- Ans** ☐ A. 29%
☐ B. 30%
☐ C. 28.2%
☒ D. 30.9%

Q.43 $\triangle DEF$ and $\triangle XYZ$ are two triangles such that $\triangle XYZ \cong \triangle FDE$. If $\angle X = 43^\circ$, then which of the following options is correct?

- Ans** ☒ A. $DF = 23$ cm, $\angle E = 69^\circ$
☐ B. $DE = 23$ cm, $\angle D = 69^\circ$
☐ C. $DE = 23$ cm, $\angle E = 69^\circ$
☐ D. $DF = 23$ cm, $\angle D = 69^\circ$

Q.44 If $\sec\alpha + \tan\alpha = 9$, then $\tan\alpha$ is:

- Ans
- ☒ A. $\frac{9}{40}$
 - ☒ B. $\frac{81}{80}$
 - ☒ C. $\frac{40}{9}$
 - ☒ D. $\frac{80}{81}$

Q.45 If the value of A:B:C is 3:5:6, then $\frac{A}{B} : \frac{B}{C} : \frac{C}{A}$ is equal to:

- Ans
- ☒ A. 15:25:62
 - ☒ B. 18:25:60
 - ☒ C. 12:25:55
 - ☒ D. 12:34:65

Q.46 Rishabh and Neha started a business together. Rishabh invested ₹21,000 and Neha invested ₹35,000. At the end of two years, they earned a profit of ₹10,000. Find the share of Neha in the total profit.

- Ans
- ☒ A. ₹6,205
 - ☒ B. ₹6,520
 - ☒ C. ₹6,250
 - ☒ D. ₹6,025

Q.47 What is the value of $(7x + 4y)$, if mean of the following distribution is 53?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	2	10	x	4	y	40

- Ans
- ☒ A. 133
 - ☒ B. 124
 - ☒ C. 144
 - ☒ D. 154

Q.48 If $3^{(n+1)} = 27 \times 9^n$, find the value of n.

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

Q.49 A cylindrical tank of radius 7 cm contains water up to a height of 20 cm. This water is poured into another cylindrical tank of radius 14 cm. What is the height of water in the second tank?

- Ans
- ☒ A. 7 cm
 - ☒ B. 5 cm
 - ☒ C. 6 cm
 - ☒ D. 8 cm

Q.50 Which of the following number pairs is NOT co-prime?

- Ans
- ☒ A. (211, 337)
 - ☒ B. (137, 221)
 - ☒ C. (101, 107)
 - ☒ D. (143, 286)

Section : General Intelligence and Reasoning

Q.51 If 'P' stands for '+', 'R' stands for 'x', 'Q' stands for '-' and 'S' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$17 P 7 Q 5 S 5 R 16 = ?$$

- Ans**
- ☒ A. 16
 - ☒ B. 8
 - ☒ C. 10
 - ☒ D. 9

Q.52 This question is based on the given words.

APE CAR FAR RED

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.53 If 'R' stands for '÷' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

$$48 R 4 S 7 = ?$$

- Ans**
- ☒ A. 19
 - ☒ B. 21
 - ☒ C. 18
 - ☒ D. 20

Q.54 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Five friends – R, S, T, U, and V – are sitting around a circular table facing the centre. Who is sitting immediately to the right of R?

(I) S sits immediately to the left of R, and T sits immediately to the right of U.

(II) U is an immediate neighbour of both T and V.

- Ans**
- ☒ A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
 - ☒ B. Both statements I and II together are NOT sufficient to answer the question.
 - ☒ C. Data in statement I alone is sufficient to answer the question while data in statement II is not.
 - ☒ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.55 What should come in place of ? in the given series based on the English alphabetical order?

AHYK XD CP UZGU RVKZ ?

- Ans**
- ☒ A. OROE
 - ☒ B. PRPE
 - ☒ C. PSPD
 - ☒ D. OSOD

Q.56 Jiya ranked 22nd from the bottom and 27th from the top in his class. How many students are there in his class?

- Ans**
- ☐ A. 45
 - ☐ B. 47
 - ☒ C. 48
 - ☐ D. 46

Q.57 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: A, B, C, D, and E have scored different marks. Among them, who scored the second highest?

Statements:

(I) D scored more than B, C, and A but less than E.

(II) C scored more than A and B.

- Ans**
- ☐ A. Both statements I and II together are NOT sufficient to answer the question
 - ☒ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☐ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☐ D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q.58 JUVM is related to YJKB in a certain way based on the English alphabetical order. In the same way, RCDU is related to GRSJ. To which of the following options is KVWN related, following the same logic?

- Ans**
- ☐ A. ZKLO
 - ☐ B. ZLKI
 - ☒ C. ZKLC
 - ☐ D. ZCLO

Q.59 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above K. Only one box is kept above Q. Only one box is kept between Q and I. R is kept immediately above J. S is kept at some place below T. How many boxes are kept between T and J?

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

Q.60 Mr. Tosi starts from Point A and drives 17 km towards the south. He then takes a right turn, drives 25 km, turns right and drives 24 km. He then takes a right turn and drives 29 km. He takes a final right 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-degree turns only unless specified.)

- Ans**
- ☒ A. 4 km to the west
 - ☐ B. 6 km to the south
 - ☐ C. 5 km to the east
 - ☐ D. 4 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) 9 7 6 2 5 4 8 3 6 4 2 5 8 3 1 5 2 6 9 8 6 4 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 even digit?

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

Q.62 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 6 N % 4 & H 7 @ 3 S 6 # G F ! 5 R 3 * D \$ (Right)

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

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

Q.63 A, B, C, D, E and F are sitting around a circular table, facing the centre. F sits third to the right of A. D sits to the immediate left of E. E is not an immediate neighbour of A. B sits to the immediate right of C.

The position(s) of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A?

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

Q.64 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. OML
 - ☒ B. MKJ
 - ☒ C. XVT
 - ☒ D. IGF

Q.65 Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) M \$ D = < B U % G P + K & V # L T N @ F £ * N (Right)

How many such symbols are there, each of which are immediately preceded by a symbol and immediately followed by a letter?

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

- Q.66** P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
U lives on the topmost floor. Only three people live between U and Q. P lives on a floor below Q. S lives on an even-numbered floor. R lives on an odd-numbered floor but not on floor number 5.
How many people live between T and Q?

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

- Q.67** In a certain code language,

'A + B' means 'A is the son of B',
'A @ B' means 'A is the sister of B',
'A # B' means 'A is the wife of B' and
'A ÷ B' means 'A is the father of B'.

How is Q related to H if 'Q + W ÷ R @ G # H'?

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

- 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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ☐ A. KMP
☒ B. HJL
☐ C. DFI
☐ D. PRU

- Q.69** 71 is related to 427 following a certain logic. Following the same logic, 85 is related to 511. To which of the given options is 93 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ☐ A. 580
☐ B. 542
☒ C. 559
☐ D. 597

Q.70 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 - 14 - 28 - 42;

2 - 12 - 24 - 36

- Ans** ☒ A. 6 - 36 - 72 - 82
☒ B. 3 - 13 - 26 - 52
☒ C. 7 - 17 - 34 - 51
☒ D. 5 - 25 - 50 - 75

Q.71 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Ari, Bitu, Cema, Dani and Eta are sitting around a circular table, facing the centre. Who sits to the immediate right of Dani?

(I) Dani sits second to the right of Cema. Eta sits second to the right of Dani.

(II) Eta sits to the immediate left of Cema. Dani sits third to the left of Cema.

- Ans** ☒ A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
☒ C. Data in statement I alone is sufficient to answer the question while data in statement II is not.
☒ D. Data in statements I and II together are NOT sufficient to answer the question.

Q.72 Each letter in the word VARLETS is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans** ☒ A. M
☒ B. U
☒ C. S
☒ D. T

Q.73 What should come in place of the question mark (?) in the given series?

33, 37, 45, 57, 73 ?

- Ans** ☒ A. 92
☒ B. 94
☒ C. 95
☒ D. 93

Q.74 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Only I sits to the right of R. Only three people sit to the left of Z. Only three people sit between R and K. P sits at some place to the left of J but at some place to the right of Q. How many people sit between Q and J?

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

Q.75 Each letter in the word DISPLACE is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- Ans** ☒ A. J
☐ B. F
☐ C. E
☐ D. M

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.

IWD : LYE
RAU : UCV

- Ans** ☒ A. LES : OGT
☐ B. JTA : MVA
☐ C. GOX : JQZ
☐ D. HYR : KAL

Q.77 Each of the digits in the number 8231954 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. 10
☐ B. 9
☐ C. 11
☐ D. 12

Q.78 This question is based on the given words.

ZED OWL LAG JAM

How many letters are there in the English alphabetical order between the third letter of the third word from the right and the first letter of the first word from the left?

- Ans** ☐ A. 12
☒ B. 13
☐ C. 16
☐ D. 14

Q.79 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: QMG :: XKR : %

- Ans** ☐ A. # = SNF, % = UJS
☒ B. # = ONF, % = ZJS
☐ C. # = ONH, % = ZHQ
☐ D. # = SOF, % = UMP

Q.80 V is the wife of M. M is the father of L. P is the brother of G. L is the sister of P. How is V related to G?

- Ans** ☒ A. Mother
☐ B. Wife
☐ C. Sister
☐ D. Daughter

Section : General Awareness and Current Affairs

Q.81 What was the overall National Labour Force Participation Rate (LFPR) recorded for persons aged 15 years and above in April 2026?

- Ans**
- ☐ A. 47.5%
 - ☐ B. 50.1%
 - ☐ C. 65.4%
 - ☒ D. 55.0%

Q.82 According to India's updated Nationally Determined Contribution (NDC) approved in March 2026, what is the target share of non-fossil fuel-based resources in installed electric power capacity by 2035?

- Ans**
- ☐ A. 50%
 - ☐ B. 40%
 - ☐ C. 47%
 - ☒ D. 60%

Q.83 Which Indian athlete won gold in the Men's Long Jump at the Indian Athletics Series 1 in April 2026?

- Ans**
- ☐ A. Neeraj Chopra
 - ☐ B. Muhammed Anees Yahiya
 - ☒ C. Murali Sreeshankar
 - ☐ D. Jeswin Aldrin

Q.84 In February 2026, Indian weightlifter Mirabai Chanu broke three national records after returning to competition. In which women's weight category did she achieve this feat?

- Ans**
- ☐ A. 54 Kg
 - ☒ B. 48 kg
 - ☐ C. 68 Kg
 - ☐ D. 72 Kg

Q.85 Which state government allocated funds in its 2026-27 Budget for the comprehensive development of Jain, Buddhist, and Sikh communities, including a monthly honorarium for Buddhist Dhammacharis?

- Ans**
- ☐ A. Tamil Nadu
 - ☒ B. Karnataka
 - ☐ C. Maharashtra
 - ☐ D. Telangana

Q.86 Which book had been released by Sudha Murty in April 2026 highlighting Indian parliamentary history through mural panels in Samvidhan Sadan?

- Ans**
- ☐ A. Tides of History: Murals of Ancient Indian Parliamentary Art
 - ☐ B. Echoes of Antiquity: Bharat's Parliamentary Mural Journeys
 - ☒ C. Tides of Time: Bharat's History through Murals in Parliament
 - ☐ D. Echoes from the Past: Murals of the Indian Parliament

Q.87 Which indigenous artillery system received DAC approval in March 2026 to enhance the Indian Army's capability to engage targets at longer ranges with enhanced lethality?

- Ans**
- ☐ A. T-90 Gun System
 - ☐ B. Pinaka Mk-II System
 - ☐ C. M-777 Howitzer
 - ☒ D. Dhanush Gun System

Q.88 Who launched the SAHI and BODH initiatives to strengthen the responsible health AI ecosystem at the 'India AI Impact Summit 2026'?

Ans ✓ A. Jagat Prakash Nadda

✗ B. Nitin Gadkari

✗ C. Dharmendra Pradhan

✗ D. Nirmala Sitharaman

Q.89 As part of the pre-summit "Lion Species Spotlight Event" of the 1st International Big Cat Alliance (IBCA) Summit 2026, which protected area in Gujarat was chosen to showcase the conservation of the world's only wild population of Asiatic lions?

Ans ✗ A. Marine National Park and Wildlife Sanctuary

✗ B. Vansda National Park and Wildlife Sanctuary

✓ C. Gir National Park and Wildlife Sanctuary

✗ D. Velavadar National Park and Wildlife Sanctuary

Q.90 Who among the following took oath as the Chief Minister of Tamil Nadu in India in May 2026?

Ans ✓ A. C. Joseph Vijay

✗ B. Edappadi K. Palaniswami

✗ C. K. Annamalai

✗ D. M. K. Alagiri

Q.91 Which of the following organisations successfully conducted the maiden flight-tests of the Integrated Air Defence Weapon System (IADWS) in August 2025?

Ans ✓ A. Defence Research and Development Organisation

✗ B. Bharat Earth Movers Limited

✗ C. Bharat Dynamics Limited

✗ D. Indian Space Research Organisation

Q.92 Which badminton player won the 2026 Malaysia Open women's singles title held in Kuala Lumpur in January 2026 by defeating China's Wang Zhiyi in straight games to secure a third consecutive championship?

Ans ✗ A. Akane Yamaguchi

✓ B. An Se-young

✗ C. Tai Tzu-ying

✗ D. Chen Yufei

Q.93 In which city was the India-AI Impact Summit 2026 held from 16-20 February 2026?

Ans ✓ A. New Delhi

✗ B. Hyderabad

✗ C. Bengaluru

✗ D. Mumbai

Q.94 Which of the following individuals released the coffee table book 'Atal Bihari Vajpayee: The Eternal Statesman' in February 2026 at Dr. Ambedkar International Centre, New Delhi?

Ans ✗ A. Haribhau Kisanrao Bagde

✓ B. C. P. Radhakrishnan

✗ C. Prof. Ashim Kumar Ghosh

✗ D. Arif Mohammed Khan

Q.95 Which organisation signed a Memorandum of Understanding with the Spices Board of India in May 2026 to strengthen the global promotion of Ayush products and medicinal spices?

- Ans**
- ✓ A. AYUSHEXCIL (Ayush Export Promotion Council)
 - ✗ B. Ayurvedic and Unani Health Services Export Council
 - ✗ C. Agricultural and Processed Food Products Export Development Authority
 - ✗ D. Tribal Cooperative Marketing Development Federation of India

Q.96 Which senior IAS officer was appointed as the new chief of the Directorate General of Civil Aviation in 2026?

- Ans**
- ✗ A. Sanjay Kumar
 - ✗ B. Ashok Lahiri
 - ✓ C. Vir Vikram Yadav
 - ✗ D. Shashi Shekhar Vempati

Q.97 Which country won the 2026 Men's Six Nations rugby union championship, securing its second consecutive title?

- Ans**
- ✗ A. Italy
 - ✓ B. France
 - ✗ C. Scotland
 - ✗ D. England

Q.98 From October 1, 2025, who became eligible to receive working capital loans using gold as raw material, as per Reserve Bank of India reforms?

- Ans**
- ✓ A. Manufacturers
 - ✗ B. Foreign investors
 - ✗ C. All banks
 - ✗ D. Only jewellers

Q.99 The United Arab Emirates (UAE) announced its withdrawal in April 2026 from which international oil-producing organisation, ending its membership that had continued since 1967?

- Ans**
- ✗ A. World Trade Organization (WTO)
 - ✗ B. International Energy Agency (IEA)
 - ✗ C. International Renewable Energy Agency (IRENA)
 - ✓ D. Organization of the Petroleum Exporting Countries (OPEC)

Q.100 In 2026, Prime Minister Narendra Modi received the "Agricola Medal" from which international organization?

- Ans**
- ✗ A. UNESCO
 - ✗ B. International Monetary Fund (IMF)
 - ✗ C. World Bank
 - ✓ D. Food and Agriculture Organization (FAO)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५ - 7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Zoo Park Tirupathi
Test Date	20/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 If the resistance in a circuit is doubled and the current remains constant, what happens to the amount of heat produced in the resistor over the same time period?

- Ans**
- ☒ A. It doubles
 - ☐ B. It quadruples
 - ☐ C. It halves
 - ☐ D. It remains unchanged

Q.2 Why does a soap solution appear cloudy?

- Ans**
- ☐ A. Because dirt is suspended in water
 - ☒ B. Because soap micelles are large enough to scatter light
 - ☐ C. Because soap molecules dissolve completely
 - ☐ D. Because hydrocarbons are soluble in water

Q.3 Complete the analogy.

Mitosis : 2 Daughter Cells :: Meiosis : _____

- Ans**
- ☐ A. 3 Daughter Cells
 - ☐ B. 1 Daughter Cell
 - ☐ C. 8 Daughter Cells
 - ☒ D. 4 Daughter Cells

Q.4 A family wants to minimize the risk of electrical fires in their home. Which of the following practices involving electricity is/are most effective in achieving this goal?

- Ans**
- ☐ A. Using only low-power electrical appliances in all rooms.
 - ☐ B. Relying on extension cords for all appliances in the home.
 - ☐ C. Increasing the number of power outlets in each room.
 - ☒ D. Using circuit breakers and regularly checking wiring for faults.

Q.5 The electron was discovered by:

- Ans**
- ☐ A. Dalton
 - ☒ B. J. J. Thomson
 - ☐ C. Neils Bohr
 - ☐ D. Rutherford

Q.6 When zinc reacts with dilute HCl, the reaction can be classified as:

- Ans**
- ☐ A. Double decomposition reaction
 - ☐ B. Combination reaction
 - ☒ C. Displacement reaction
 - ☐ D. Neutralization reaction

Q.7 Which of the following statements regarding biodegradable waste is correct?

- Ans**
- ☒ A. It can be decomposed by biological processes
 - ☐ B. It consists of man-made substances
 - ☐ C. It persists in the environment
 - ☐ D. It cannot be recycled

Q.8 Which condition will slow down rancidity in oily food items ?

- Ans**
- ☐ A. Presence of moisture
 - ☒ B. Storage in airtight containers flushed with nitrogen
 - ☐ C. Exposure to sunlight
 - ☐ D. Storage at high temperature

Q.9 An object of mass 12.5 kg is lifted to a height of 8 m. (Take $g = 10 \text{ m/s}^2$.) Its potential energy is _____.

- Ans**
- ☐ A. 800 J
 - ☒ B. 1000 J
 - ☐ C. 1250 J
 - ☐ D. 100 J

Q.10 The reproductive cells such as sperm and eggs produced through meiosis are known as _____.

- Ans**
- ☐ A. Tissues
 - ☐ B. Organelles
 - ☐ C. Inclusions
 - ☒ D. Gametes

Q.11 A sound wave has a frequency of 500 Hz and travels at 340 m/s. What is its wavelength?

- Ans**
- ☐ A. Its wavelength is 1.47 meters
 - ☐ B. Its wavelength is 0.34 meters
 - ☐ C. Its wavelength is 170 meters
 - ☒ D. Its wavelength is 0.68 meters

Q.12 Tobacco consumption mainly affects which organ system first?

- Ans**
- ☐ A. Skeletal system including bones and joints
 - ☐ B. Digestive system including stomach and intestines
 - ☒ C. Respiratory system including lungs and airways
 - ☐ D. Excretory system including kidneys and bladder

Q.13 A taxonomist is classifying a microscopic organism that is unicellular, has a true nucleus, and moves using cilia. Which kingdom is most appropriate for its classification?

- Ans**
- ☒ A. Protista
 - ☐ B. Plantae
 - ☐ C. Fungi
 - ☐ D. Monera

Q.14 A colloidal solution is a type of:

- Ans**
- ☐ A. Pure substance
 - ☒ B. Heterogeneous mixture
 - ☐ C. Homogeneous mixture
 - ☐ D. True solution

Q.15 A zoologist identifies the Lion-tailed macaque population declining due to fragmentation of its forest habitat. Which is the most likely ecological consequence if this trend continues?

- Ans**
- ☒ A. Loss of endemic species unique to the region
 - ☐ B. Introduction of common widespread species
 - ☐ C. Increase in migratory bird populations
 - ☐ D. Spread of invasive species from outside

Q.16 Which statement best explains the difference between a low pitch sound and a high pitch sound?

- Ans**
- ☐ A. A low pitch sound is always louder than a high pitch sound.
 - ☒ B. A low pitch sound has a lower frequency compared to a high pitch sound.
 - ☐ C. A low pitch sound has a higher frequency than a high pitch sound.
 - ☐ D. A low pitch sound and a high pitch sound have the same frequency.

Q.17 The amount of energy released during aerobic respiration in animals is ____ that released during anaerobic respiration.

- Ans**
- ☐ A. Equal to
 - ☐ B. Lesser than
 - ☐ C. Slower than
 - ☒ D. Greater than

Q.18 Object A (3 kg) moves at 4 m/s, and object B (6 kg) moves at 2 m/s. Which object has greater kinetic energy?

- Ans**
- ☒ A. Object A
 - ☐ B. Both have equal kinetic energy
 - ☐ C. Object B
 - ☐ D. Cannot be determined

Q.19 An atom of element X has a mass number of 37 and contains 20 neutrons. What is the atomic number of X, and which element does it represent?

- Ans**
- ☐ A. 19, Potassium
 - ☐ B. 18, Argon
 - ☒ C. 17, Chlorine
 - ☐ D. 20, Calcium

Q.20 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): In oxidation reactions, the colour of potassium permanganate disappears initially.

Reason (R): Potassium permanganate reacts with alcohols and gets reduced, causing decolourisation.

- Ans**
- ☐ A. A is false, but R is true.
 - ☐ B. Both A and R are true, and R is not the correct explanation of A.
 - ☐ C. A is true, but R is false.
 - ☒ D. Both A and R are true, and R is the correct explanation of A.

Q.21 When Plaster of Paris ($\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$) is mixed with water, it becomes hard. Which process is responsible for this hardening?

- Ans**
- ☐ A. Neutralization between acid and base
 - ☒ B. Rehydration to form gypsum
 - ☐ C. Dehydration of calcium sulphate
 - ☐ D. Oxidation of calcium ions

Q.22 Which of the following best explains why an echo is heard when a sound is produced near a large, flat wall?

- Ans**
- ☐ A. Sound is absorbed by the wall and then emitted slowly.
 - ☒ B. Sound waves reflect off the wall and return to the listener after a short delay.
 - ☐ C. Sound waves pass directly through the wall and reappear on the other side.
 - ☐ D. The wall vibrates and produces a new sound identical to the original.

Q.23 Which scenario best demonstrates the first law of motion as stated by Newton regarding an object's tendency to maintain its state of at rest or uniform motion?

- Ans**
- ☐ A. A ball rolling down a hill accelerates
 - ☐ B. A car speeds up as the driver presses the accelerator
 - ☒ C. A book lying on a table stays still until someone pushes it
 - ☐ D. A tree sways in the wind

Q.24 A 6 kg body is subjected to a force that brings it from rest to a velocity of 18 m/s in 3 seconds. What is the value of the force?

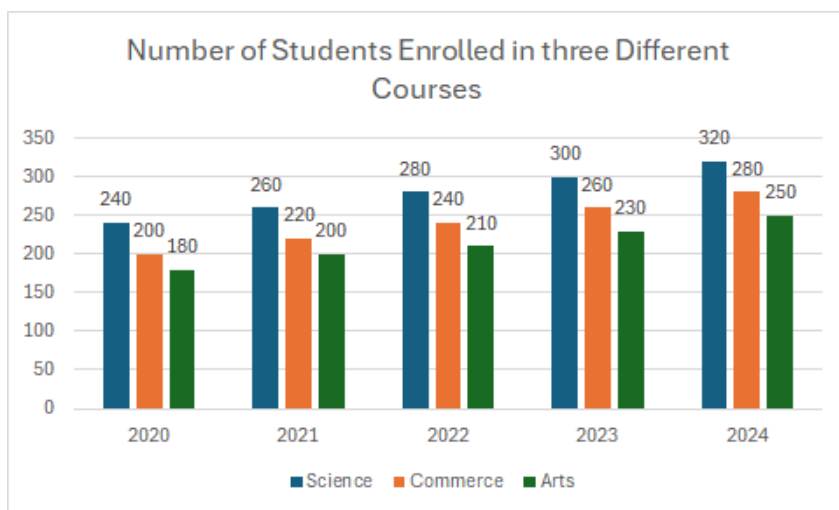
- Ans**
- ☐ A. 18 N
 - ☒ B. 36 N
 - ☐ C. 54 N
 - ☐ D. 12 N

Q.25 Which of the following environmental stimulus causes roots to grow away from itself?

- Ans**
- ☐ A. Gravity
 - ☐ B. Air
 - ☐ C. Water
 - ☒ D. Light

Section : Mathematics

- Q.26 The multiple bar graph below represents the number of students enrolled in three different courses (Science, Commerce and Arts) in a college over five years.



What was the average number of Commerce students enrolled over the given five years?

- Ans ☒ A. 246
☒ B. 242
☒ C. 244
☒ D. 240

- Q.27 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 5 months.

- Ans ☒ A. 37.5
☒ B. 225
☒ C. 18.75
☒ D. 38.75

- Q.28 The internal angular bisectors of angles A and B of $\triangle ABC$ intersect :



- Ans ☒ A. 22°
☒ B. 8°
☒ C. 16°
☒ D. 24°

- Q.29 A road roller makes 955 complete revolutions to level a road. If the roller has a diameter of 56 cm and a length of 0.8 m, what is the total area of the road covered?
(Take $\pi = \frac{22}{7}$)

- Ans ☒ A. 1420.35 m^2
☒ B. 1230.28 m^2
☒ C. 1344.64 m^2
☒ D. 1117.56 m^2

Q.30 Two persons, A and B, start from opposite ends of a 325 km road and travel toward each other. A's speed is 70 km/h and B's speed is 50 km/h. If A starts 30 minutes after B, how long after B's start will they meet?

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

Q.31 The mean and the mode of a set of data are 65 and 79.7, respectively. Find the median of the data, using the empirical formula.

- Ans** ☒ A. 69.9
☐ B. 71.7
☐ C. 69.8
☐ D. 71.1

Q.32 Ashok can prepare one wooden chair in 2 days and Robin can prepare the same chair in 4 days. If they work together, in how many days will they prepare 120 chairs of the same kind?

- Ans** ☐ A. 156
☒ B. 160
☐ C. 164
☐ D. 162

Q.33 A molecular compound contains atoms A and B, where their counts per molecule are the 5th and 7th prime numbers from starting, respectively. The compound consists of 10 identical molecules. After a reaction, the number of B atoms per molecule doubles, and C atoms (equal to the 3rd prime number from starting) are added. What is the total number of A, B, and C atoms in all 10 molecules after the reaction?

- Ans** ☐ A. 330
☒ B. 500
☐ C. 550
☐ D. 690

Q.34 What is the least value that must be assigned to A so that the number 469A1423 is divisible by 3?

- Ans** ☐ A. 5
☐ B. 4
☒ C. 1
☐ D. 6

Q.35 The marked price of a cooker is same at four shops I, II, III and IV. Shop I allows two successive discounts of 90% and 41%, shop II allows successive discounts of 19% and 65%, shop III allows successive discounts of 24% and 13% and shop IV allows successive discounts of 78%, 73% and 12% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans** ☐ A. III
☐ B. I
☒ C. IV
☐ D. II

Q.36 A train passes a station platform in 70 seconds and a man standing on the platform in 40 seconds. If the speed of the train is 90 km/hr, calculate the length of the platform.

- Ans**
- ☐ A. 780 m
 - ☒ B. 750 m
 - ☐ C. 760 m
 - ☐ D. 720 m

Q.37 The cost of painting one of the rooms of Neha is ₹ 5000. Next year, the cost is ₹ 5500. Find the percentage change.

- Ans**
- ☐ A. Increased by 0.1%
 - ☐ B. Increase by 7.5%
 - ☐ C. Increase by 5%
 - ☒ D. Increased by 10%

Q.38 In measuring the sides of a rectangular park, if one side is taken 6% in excess and the other is taken 5% in deficit, what is the error percent in the area calculation?

- Ans**
- ☐ A. 0.2% increase
 - ☒ B. 0.7% increase
 - ☐ C. No change
 - ☐ D. 0.7% decrease

Q.39 The length, breadth and height of a cuboid are in the ratio of 8:5:3 and its total surface area is 1422 cm². Find the volume of the cuboid.

- Ans**
- ☐ A. 3860 cm³
 - ☐ B. 3520 cm³
 - ☒ C. 3240 cm³
 - ☐ D. 3780 cm³

Q.40 Three business partners, A, B, and C, agree to divide their total profit for a certain year in the ratios 3 : 4 : 5. If B's share was ₹24,000, what was the total profit of the business partners for the year?

- Ans**
- ☐ A. ₹56,000
 - ☐ B. ₹64,000
 - ☐ C. ₹76,000
 - ☒ D. ₹72,000

Q.41 A certain amount of money grows to ₹752 at the end of 20 years and to ₹7,896 at the end of 21 years at a fixed annual compound interest rate. Find the annual rate of compound interest.

- Ans**
- ☒ A. 950%
 - ☐ B. 8.5%
 - ☐ C. 9.5%
 - ☐ D. 850%

Q.42 The mean of the present ages of a father and his son is 31 years. After 20 years, the father will be twice as old as his son. What is the ratio of the present ages of the son and the father?

- Ans**
- ☐ A. 3 : 7
 - ☐ B. 2 : 5
 - ☐ C. 5 : 21
 - ☒ D. 7 : 24

Q.43 If $\tan A + \cot A = 2$, then the value of $\tan^{\frac{3}{4}} A + \cot^{\frac{5}{9}} A$ is:

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

Q.44 In how many years will a sum of ₹64,000 at the rate of 10% per annum compounded semi-annually become ₹74,088?

- Ans**
- ☒ A. $2\frac{1}{4}$
 - ☒ B. $1\frac{1}{4}$
 - ☒ C. $1\frac{1}{2}$
 - ☒ D. $2\frac{1}{2}$

Q.45 A class has 60 students, and the ratio of boys to girls is 2:3. If 2 boys and 3 girls are added to the class, what is the new ratio of boys to girls?

- Ans**
- ☒ A. 3:4
 - ☒ B. 3:2
 - ☒ C. 4:3
 - ☒ D. 2:3

Q.46 Renu purchased an old scooter for ₹14,500 and spent ₹3,500 on its repair. Then he sold it at a profit of ₹3,500 to Rohit. Rohit got the scooter painted for ₹1,200 and sold it to Mukesh at 10% profit. What amount did Mukesh pay for the scooter?

- Ans**
- ☒ A. ₹24,970
 - ☒ B. ₹25,240
 - ☒ C. ₹24,530
 - ☒ D. ₹23,840

Q.47 The weights of 25 students are given below. Find the arithmetic mean of the data.

Weight	65	66	67	68	69
No. of Students	8	6	4	4	3

- Ans**
- ☒ A. 56.84
 - ☒ B. 64.32
 - ☒ C. 67.43
 - ☒ D. 66.52

Q.48 Evaluate: $16 - 5 \times 3 + 18$

- Ans**
- ☒ A. 18
 - ☒ B. 21
 - ☒ C. 17
 - ☒ D. 19

Q.49 If $\frac{1 + \cos \theta}{1 - \cos \theta} = \frac{m^2}{n^2}$, then the value of $\left[\frac{m^2 + n^2}{mn} \right]$ is:

- Ans**
- ☒ A. $\operatorname{cosec} \theta + \cot \theta$
 - ☒ B. $(\sec \theta + \tan \theta)^2$
 - ☒ C. $2 + \cos \theta$
 - ☒ D. $2 \operatorname{cosec} \theta$

Q.50 A school has two sections A and B, with 30 and 40 students, respectively. The average score in a Mathematics test of section A is 75, while the average score of section B is 80. What is the average score (rounded off to two decimal places) of the entire class?

- Ans** ☒ A. 79.57
☒ B. 77.86
☒ C. 76.54
☒ D. 78.53

Section : General Intelligence and Reasoning

Q.51 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 298576, how many digits will appear more than once in the new number thus formed?

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

Q.52 Rupali starts from Point Y and drives for 7 km towards east. She then takes a right turn and drives for 5 km and then she takes a left turn and drives for 4 km. She then takes a right turn and drives for 6 km. She finally takes a right turn and drives for 11 km to reach Point E. How far (shortest distance) and towards which direction should she drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans** ☒ A. 11 km towards east
☒ B. 16 km towards north
☒ C. 11 km towards north
☒ D. 20 km towards south

Q.53 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 parks are forests.
No forest is a lake.

Conclusions:

(I) No park is a lake.
(II) All lakes are forests.

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

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

Q.55 B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.
Only one person sits between E and P when counted from the right of E. Only one person sits between P and W. Only one person sits between E and T. Only two people sit between D and W. Only one person sits between S and T.
Who sits to the immediate right and left of B respectively?

- Ans**
- ☐ A. E and W
 - ☐ B. T and D
 - ☐ C. T and W
 - ☒ D. E and T

Q.56 In a certain code language,
A $\bar{\epsilon}$ B means 'A is the father of B',
A $\leq$ B means 'A is the mother of B',
A $\div$ B means 'A is the daughter of B' and
A $\neq$ B means 'A is the wife of B'.

Based on the above, how is P related to R if 'P $\neq$ A $\bar{\epsilon}$ G $\leq$ E $\div$ R'?

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

Q.57 Each of Abhishek, Jai, Kanika, Meena, Reena, Sunny and Teena has exam on a different day of a week starting from Monday and ending on Sunday of the same week.
Only two people have exam between Reena and Sunny.
Only one person has exam between Jai and Abhishek.
Only two people have exam between Sunny and Kanika.
Meena has exam immediately before Jai.
Kanika does not have exam on any of the days before Jai.
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 one that does NOT belong to that group?

- Ans**
- ☐ A. Reena and Meena
 - ☐ B. Jai and Sunny
 - ☒ C. Kanika and Reena
 - ☐ D. Abhishek and Teena

Q.58 The position(s) of how many letters will remain unchanged if each of the letters in the word SUBSTANTIAL is arranged in the reverse English alphabetical order?

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

Q.59 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?

$$5 \text{ B } 4 \text{ D } 6 \text{ A } 2 \text{ C } 3 = ? \text{ D } 4$$

- Ans**
- ☐ A. 34
 - ☐ B. 20
 - ☐ C. 30
 - ☒ D. 24

Q.60 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BIQ :: BIQ : %

- Ans**
- ☒ A. # = TAI , % = JQY
 - ☐ B. # = TOI , % = JQY
 - ☐ C. # = TAI , % = JQL
 - ☐ D. # = TAI , % = JTY

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 conclusion(s) logically follow(s) from the statements.

Statements:

All horses are bears.

Some horses are donkeys.

Conclusions:

(I) Some bears are donkeys.

(II) Some donkeys are horses.

- 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.62 Refer to the given 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) 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. 3
 - ☐ C. 4
 - ☐ D. 5

Q.63 This question is based on the given words.

KEG LAM BIN BUG

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.64 Each of the digits in the number 5274381 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. Three
☒ B. Two
☒ C. One
☒ D. None

Q.65 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☒ A. LOQ
☒ B. KMO
☒ C. SVX
☒ D. NQS

Q.66 KK 27 is related to LH 13 in a certain way. In the same way, IP 23 is related to JM 9. To which of the following is HN 16 related, following the same logic?

- Ans** ☒ A. IK 2
☒ B. JJ 2
☒ C. IJ 4
☒ D. JK 4

Q.67 Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the letters are dropped from the series, which of the following will be seventh from the left?

- Ans** ☒ A. &
☒ B. 6
☒ C. 8
☒ D. 2

Q.68 In a certain code language, 'DIAL' is coded as '3615' and 'LEAD' is coded as '5213'. What is the code for 'T' in the given code language?

- Ans** ☒ A. 2
☒ B. 6
☒ C. 1
☒ D. 5

Q.69 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. For example, 13 — operations such as adding, subtracting, multiplying, etc., can be performed on 13 as a whole. Breaking down 13 into 1 and 3 and then performing operations on 1 and 3 is not allowed.)

4 – 64 – 74 – 84;

3 – 27 – 37 – 47

- Ans**
- ☒ A. 2-8-18-36
 - ☒ B. 5-125-135-145
 - ☒ C. 7-21-31-41
 - ☒ D. 6-216-226-246

Q.70 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PIK BUW NGI ZSU ?

- Ans**
- ☒ A. LEG
 - ☒ B. LGT
 - ☒ C. LOP
 - ☒ D. LGY

Q.71 What should come in place of ? in the given series?
245 216 187 158 129 ?

- Ans**
- ☒ A. 102
 - ☒ B. 101
 - ☒ C. 111
 - ☒ D. 100

Q.72 Six friends E, F, G, H, L and M are sitting in a straight line, facing north. Only four people sit between L and M. E sits to the immediate left of M. Only one person sits between E and H. G sits at some place to the left of F. How many people sit between F and G?

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

Q.73 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept between S and Q. T is kept above S. Only two boxes are kept between I and J. K is kept immediately above R. J is not kept immediately above K. No box is kept below Q. Which box is kept fourth from the top?

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

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. AK-JR
☒ B. UD - SX
☒ C. GQ - PX
☒ D. LV-UC

Q.75 NP 23 is related to OL 11 in a certain way. In the same way, EG 21 is related to FC 9. To which of the following is PK 16 related, following the same logic?

- Ans ☒ A. QG 4
☒ B. RG 4
☒ C. QH 6
☒ D. RH 6

Q.76 Mr. Klo ranked 15th from the top and 66th from the bottom in his class. How many students are there in his class?

- Ans ☒ A. 81
☒ B. 80
☒ C. 79
☒ D. 82

Q.77 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 % 9 \$ 7 Ω 3 & 1 @ 8 * 6 £ 4 # 2 Ω 9 (Right)

How many such symbols are there, each of which is immediately preceded by an even number but NOT immediately followed by an even number?

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

Q.78 366 is related to 731 following a certain logic. Following the same logic, 413 is related to 825. To which of the given options is 287 related, following the same logic?

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

- Ans ☒ A. 630
☒ B. 445
☒ C. 751
☒ D. 573

Q.79 This question is based on the given words.

ACT CRY ROW BOX

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.80 G is the brother of K. V is the husband of B. K is the daughter of V. B is the sister of J. How is G related to J?

- Ans**
- ☒ A. Sister's son
 - ☐ B. Brother's daughter
 - ☐ C. Daughter's daughter
 - ☐ D. Husband's mother

Section : General Awareness and Current Affairs

Q.81 Which government body issued the statutory direction for coordinated action plans to eliminate wheat stubble burning during the 2026 harvesting season?

- Ans**
- ☐ A. Indian Agricultural Research Institute (IARI)
 - ☐ B. Indian Space Research Organisation (ISRO)
 - ☐ C. Ministry of Environment, Forest and Climate Change
 - ☒ D. Commission for Air Quality Management in NCR and Adjoining Areas (CAQM)

Q.82 Which shooter won the gold medal in the Women's 25m Pistol event at the ISSF World Cup Final 2025 conducted in Doha?

- Ans**
- ☐ A. Yao Qianxun
 - ☒ B. Simranpreet Kaur Brar
 - ☐ C. Doreen Vennekamp
 - ☐ D. Manu Bhaker

Q.83 In 2025, which of the Indian banks has reached \$100 billion mark?

- Ans**
- ☐ A. Bank of India
 - ☐ B. Bank of Baroda
 - ☐ C. Indian Bank
 - ☒ D. State Bank of India

Q.84 What was the official United Nations theme for International Women's Day observed on March 8, 2026?

- Ans**
- ☐ A. Empower, Include, Advance: Women Leading Change
 - ☐ B. Accelerate Action: Equal Rights for a Sustainable Future
 - ☒ C. Rights. Justice. Action. For ALL Women and Girls
 - ☐ D. Invest in Women: Accelerate Progress

Q.85 According to reports on the military operation known as "Operation Absolute Resolve" conducted in January 2026, which country had carried out the operation that resulted in the capture of Venezuelan President Nicolás Maduro?

- Ans**
- ☒ A. United States of America
 - ☐ B. China
 - ☐ C. Russia
 - ☐ D. United Kingdom

Q.86 In 2026, which health insurance scheme was set to be implemented by West Bengal, making it the 36th State/Union Territory to join the programme through an agreement with the National Health Authority?

- Ans**
- ☐ A. Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)
 - ☐ B. Pradhan Mantri Jan Dhan Yojana (PMJDY)
 - ☒ C. Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY)
 - ☐ D. Pradhan Mantri Suraksha Bima Yojana (PMSBY)

Q.87 What was the mission name of the communication satellite launched by the Indian Space Research Organisation on 24 December 2025 from Sriharikota using the LVM3 (Baahubali) launch vehicle?

- Ans**
- ☐ A. NewSpace communication series
 - ☐ B. meteorological satellite mission
 - ☒ C. BlueBird Block-2
 - ☐ D. Defence communication satellite

Q.88 Who was appointed as the Chairman of the Rajya Sabha Committee on Petitions after the panel was reconstituted by Rajya Sabha Chairman C. P. Radhakrishnan with effect from May 20, 2026?

- Ans**
- ☐ A. Sanjay Singh
 - ☒ B. Raghav Chadha
 - ☐ C. Derek O'Brien
 - ☐ D. Manoj Jha

Q.89 In May 2026, which Ministry released the National Family Health Survey-6 (NFHS-6), highlighting improvements in maternal and child health, nutrition, and financial protection?

- Ans**
- ☐ A. Ministry of Women and Child Development
 - ☐ B. Ministry of Education
 - ☐ C. Ministry of Statistics and Programme Implementation
 - ☒ D. Ministry of Health and Family Welfare

Q.90 What is the objective of the 'Pradhan Mantri Janjatiya Unnat Gram Abhiyan' introduced in Budget 2025?

- Ans**
- ☐ A. Providing scholarships to students of tribal communities in rural areas
 - ☐ B. Urban development in tribal areas
 - ☒ C. Enhancing socio-economic conditions of tribal communities in rural areas
 - ☐ D. Establishing tribal research centres

Q.91 Which of the following big cat species is the focus of the conservation programme being held in Gangtok, Sikkim in 2026?

- Ans**
- ☐ A. Bengal Tiger
 - ☒ B. Snow Leopard
 - ☐ C. Asiatic Lion
 - ☐ D. Cheetah

Q.92 On 14th April 2026, the National Fire Service Day was observed with which theme?

- Ans**
- ☐ A. Secure Villages, Secure Offices & Disaster Prepared Community – Together for Risk Reduction
 - ☐ B. Smart Cities, Smart Buildings & Fire Protection Prepared Society – United for Safety Mission
 - ☐ C. Healthy Environment, Safe Workplace & Emergency Response Society – United for Public Safety
 - ☒ D. Safe School, Safe Hospital & Fire Safety Aware Society – Together for Fire Prevention

Q.93 Who was elected as the new President of the BJP in 2026?

- Ans**
- ☒ A. Nitin Nabin
 - ☐ B. J.P. Nadda
 - ☐ C. Amit Shah
 - ☐ D. Baba Amte

Q.94 Which DRDO-supported indigenous systems were inducted by the Indian Army under emergency procurement in May 2026?

- Ans**
- ☐ A. Nishant UAV and Varunastra torpedo systems
 - ☐ B. Arjun Mk-1A and Prahaar missile systems
 - ☒ C. ULPGM and AGNIKAA VTOL-1 drone systems
 - ☐ D. Akash Prime and Tejas Mk-2 systems

Q.95 In which country was the final match of the 2026 Monte-Carlo Masters tennis tournament conducted at Roquebrune-Cap-Martin?

- Ans**
- ☐ A. Italy
 - ☐ B. Germany
 - ☒ C. France
 - ☐ D. Spain

Q.96 Which authority issued new access and benefit sharing rules in India in April 2025?

- Ans**
- ☐ A. Ministry of Agriculture
 - ☒ B. National Biodiversity Authority
 - ☐ C. Ministry of Tribal Affairs
 - ☐ D. Central Environment Board

Q.97 Which state had emerged victorious with the highest medal tally at the inaugural Khelo India Tribal Games 2026?

- Ans**
- ☐ A. Jharkhand
 - ☐ B. Madhya Pradesh
 - ☒ C. Karnataka
 - ☐ D. Odisha

Q.98 The PSLV-C61 EOS-09 mission, which was launched on May 18, 2025, was ISRO's (Indian Space Research Organisation) ____.

- Ans**
- ☐ A. 102nd mission
 - ☐ B. 99th mission
 - ☐ C. 100th mission
 - ☒ D. 101th mission

Q.99 Between which two countries was Exercise INDRA, 2025, conducted?

- Ans**
- ☐ A. India and France
 - ☐ B. India and China
 - ☒ C. India and Russia
 - ☐ D. India and the United States

Q.100 Neeraj Chopra achieved a new national record at the Doha Diamond League 2025.
What was the distance of his throw?

- Ans**
- ☐ A. 89.94 m
 - ☐ B. 88.17 m
 - ☒ C. 90.23 m
 - ☐ D. 91.06 m



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Webel Human Resource Development Center
Test Date	21/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Given that metal X reacts with CuSO_4 but not with FeSO_4 , and metal Y reacts with FeSO_4 but not with ZnSO_4 , what is the correct order of decreasing reactivity for Zn, Fe, Cu, X, and Y?

- Ans**
- ☒ A. $\text{Fe} > \text{X} > \text{Zn} > \text{Y} > \text{Cu}$
 - ☒ B. $\text{Cu} > \text{X} > \text{Fe} > \text{Y} > \text{Zn}$
 - ☒ C. $\text{Y} > \text{Zn} > \text{X} > \text{Fe} > \text{Cu}$
 - ☒ D. $\text{Zn} > \text{Y} > \text{Fe} > \text{X} > \text{Cu}$

Q.2 In a concave mirror, a ray parallel to the principal axis is incident. After reflection, the ray passes through:

- Ans**
- ☒ A. The pole
 - ☒ B. The focus
 - ☒ C. Anywhere along the mirror
 - ☒ D. The center of curvature

Q.3 Which equation correctly represents a displacement reaction involving metals and their salt solutions?

- Ans**
- ☒ A. $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$
 - ☒ B. $\text{Ag} + \text{MgSO}_4 \rightarrow \text{AgSO}_4 + \text{Mg}$
 - ☒ C. $\text{Cu} + \text{ZnSO}_4 \rightarrow \text{CuSO}_4 + \text{Zn}$
 - ☒ D. $\text{Au} + \text{FeSO}_4 \rightarrow \text{AuSO}_4 + \text{Fe}$

Q.4 Which situation does NOT correctly illustrate an action-reaction pair as per Newton's third law?

- Ans**
- ☒ A. A hand pushes a wall, wall pushes hand back
 - ☒ B. A foot kicks a ball, ball pushes foot back
 - ☒ C. A hammer strikes a nail, nail pushes hammer back
 - ☒ D. A car accelerating due to its engine

Q.5 Which pigment is responsible for absorbing light during photosynthesis?

- Ans**
- ☒ A. Keratin
 - ☒ B. Carotene
 - ☒ C. Chlorophyll
 - ☒ D. Anthocyanin

Q.6 A dentist uses a concave mirror of focal length 20 cm to examine a patient's tooth. If the tooth is placed 5 cm from the mirror, what is the magnification produced?

- Ans** ☒ A. 1.33
☐ B. 0.5
☐ C. 0.75
☐ D. 1.67

Q.7 A researcher finds a plant group that does not need water for fertilisation and has seeds which are not enclosed in fruits. Which plant group is being described?

- Ans** ☐ A. Angiosperms
☐ B. Bryophytes
☐ C. Pteridophytes
☒ D. Gymnosperms

Q.8 Select the correct option regarding the following two statements labelled Assertion (A) and Reason (R).

Assertion (A): The walls of veins are thinner than those of arteries.

Reason (R): Veins carry blood under high pressure.

- Ans** ☐ A. Both A and R are true, but 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.9 Which of the following is an example of coagulation in everyday life?

- Ans** ☐ A. Separating pigments using chromatography
☐ B. Filtering sand from a mixture of water and sand
☒ C. Adding vinegar in milk to form paneer
☐ D. Extracting salt from sea water

Q.10 Which of the following statements, correctly explains how smoking affects the respiratory system in humans?

- Ans** ☐ A. Nicotine increases oxygen-carrying capacity of blood to various tissues
☐ B. Smoking increases the surface area of alveoli for better gas exchange in the tissues
☒ C. Carbon monoxide in smoke combines with haemoglobin, reducing oxygen transport to tissues
☐ D. Tar in tobacco strengthens the walls of alveoli

Q.11 Which of the following materials has the highest resistivity?

- Ans** ☐ A. Tungsten
☐ B. Silver
☐ C. Iron
☒ D. Manganin

Q.12 Which of the following characteristics are correct for the cells of parenchyma?

- Ans** ☒ A. Living, loosely organised with large intercellular spaces
☐ B. Dead, loosely organised without intercellular spaces
☐ C. Dead, loosely organised with large intercellular spaces
☐ D. Living, loosely organised without intercellular spaces

Q.13 A sample of water obtained from two different sources is found to contain hydrogen and oxygen in the ratio 1:8 by mass. Which law is illustrated by this observation?

- Ans**
- ☐ A. Law of reciprocal proportions
 - ☐ B. Law of conservation of mass
 - ☐ C. Law of multiple proportions
 - ☒ D. Law of constant proportions

Q.14 If a 2 kg ball initially at rest is pushed with a force of 8 N for 5 seconds, what is its velocity at the end of 5 seconds?

- Ans**
- ☒ A. 20 m/s
 - ☐ B. 5 m/s
 - ☐ C. 10 m/s
 - ☐ D. 8 m/s

Q.15 What is the main difference between an addition and a substitution reaction in carbon compounds?

- Ans**
- ☒ A. Addition reactions increase the number of atoms in a molecule
 - ☐ B. Addition reactions remove atoms from molecules
 - ☐ C. Addition reactions occur only in saturated compounds
 - ☐ D. Addition reactions replace one atom with another

Q.16 Which characteristic is shared by all members of a homologous series?

- Ans**
- ☒ A. They have similar chemical properties
 - ☐ B. They have the same molecular mass
 - ☐ C. They have identical physical properties
 - ☐ D. They have the same molecular formula

Q.17 Read the following statements are about epithelial tissue and select the most appropriate option.

Statement A: Cells of epithelial tissue are tightly packed.

Statement B: Fibrous basement membrane separates epithelium from underlying tissue.

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

Q.18 A constant force acts on an object and causes it to move in the same direction as the force. How is the work done by the force calculated?

- Ans**
- ☒ A. Work is calculated by multiplying force and displacement
 - ☐ B. Work is calculated by adding force and displacement
 - ☐ C. Work is calculated by multiplying force and time
 - ☐ D. Work is calculated by dividing force by displacement

Q.19 A student measures the pH of four liquids: lemon juice (2), soap solution (9), water (7), and vinegar (3). Which is the most basic?

- Ans**
- ☐ A. Vinegar (3)
 - ☒ B. Soap solution (9)
 - ☐ C. Lemon juice (2)
 - ☐ D. Water (7)

Q.20 Student A takes 20 seconds, while student B takes 40 seconds to complete the same amount of work. Which of the following statements is correct in connection to A and B?

- Ans**
- ☐ A. Student B has done more work
 - ☒ B. Student A has double the power of Student B
 - ☐ C. Both students have the same power
 - ☐ D. Student B has double the power of Student A

Q.21 A household has two appliances: a heater and a fan. The heater has a high resistance while the fan has a low resistance. If both are connected to the same voltage supply, which appliance will draw more current and why?

- Ans**
- ☐ A. Both will draw the same current because the voltage is the same.
 - ☐ B. Current does not depend on resistance in this case.
 - ☒ C. The fan will draw more current because it has lower resistance.
 - ☐ D. The heater will draw more current because it has higher resistance.

Q.22 A technician is designing a solar power plant in central India. Understanding the value of the solar constant is necessary for planning the plant's capacity as:

- Ans**
- ☐ A. It measures sunlight duration
 - ☐ B. It gives maximum possible temperature
 - ☒ C. It indicates energy available before atmospheric loss
 - ☐ D. It shows only atmospheric absorption

Q.23 A photographer uses a concave lens of focal length 12 cm. The object is placed 18 cm from the lens. Using the sign convention, calculate the image distance (v)?

- Ans**
- ☐ A. +7.2 cm
 - ☐ B. +36 cm
 - ☐ C. -36 cm
 - ☒ D. -7.2 cm

Q.24 Which of the following statements is/are CORRECT?

Statement I: Covalent bonds involve the sharing of electron pairs between atoms.

Statement II: Covalent bonding usually occurs between metals and non-metals.

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

Q.25 Why does biological magnification increase at higher trophic levels?

- Ans**
- ☐ A. Chemicals are degraded and accumulated only at higher trophic levels
 - ☐ B. Energy increases at higher levels in food chain
 - ☒ C. Chemicals are not degraded and accumulated at each trophic level
 - ☐ D. Water content increases at each trophic level

Section : Mathematics

Q.26 A train travels 20% faster than a car. Both start together from the same point and cover a distance of 72 km. The train stops for a total of 12 minutes on the way, but still reaches the destination at the same time as the car. Find the speed of the car.

- Ans**
- ☐ A. 62 km/hr
 - ☒ B. 60 km/hr
 - ☐ C. 65 km/hr
 - ☐ D. 70 km/hr

Q.27 What is the sum of the HCF and the LCM of 19 and 57?

- Ans ☐ A. 95
☒ B. 76
☐ C. 66
☐ D. 57

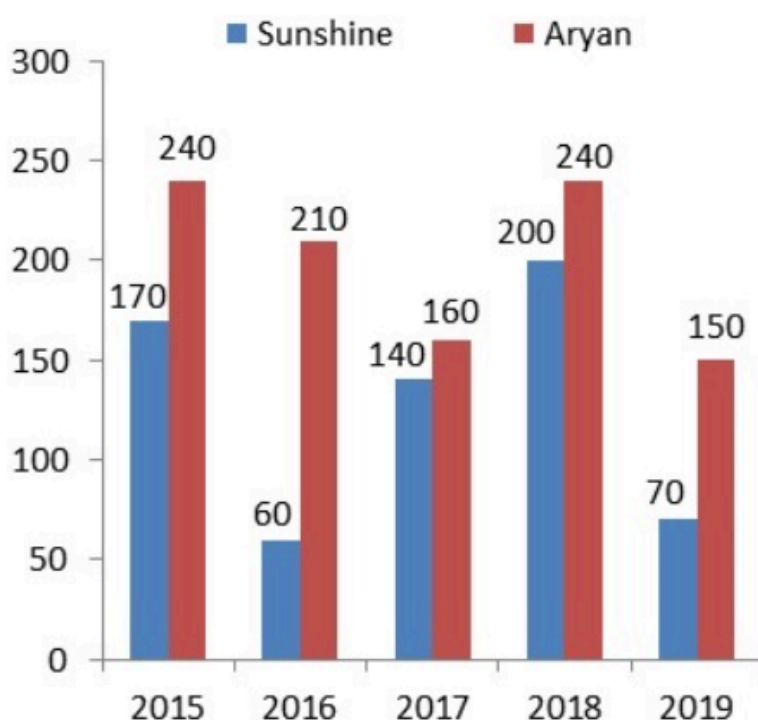
Q.28 Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Akshay borrowed an amount of ₹4,60,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Akshay after 3 years.

- Ans ☒ A. 69,000
☐ B. 68,500
☐ C. 70,000
☐ D. 70,500

Q.29 If the height of a cylinder is doubled and radius halved, what is the change in its volume with respect to the original one?

- Ans ☐ A. Remains the same
☒ B. Becomes half of the original
☐ C. Becomes double of the original
☐ D. Becomes one-fourth of the original

Q.30 The given bar graph shows the total number of students enrolled each year from 2015 to 2019 in two different summer camps: Sunshine and Aryan.



The total number of students enrolled in Sunshine from 2016 to 2019 is what percentage more than the total number of students enrolled in Aryan in 2018 and 2019? (Round off your answer to two decimal places.)

- Ans ☒ A. 20.51%
☐ B. 23.56%
☐ C. 21.81%
☐ D. 22.51%

Q.31 The mean of a data is 33 and its median is 37. The mode (using empirical relation) of the data is:

- Ans ☒ A. 45
☐ B. 108
☐ C. 58
☐ D. 16

Q.32 Find the value of $(\operatorname{cosec} \theta + \cot \theta) \times (1 - \cos \theta)$.

- Ans ☐ A. $\cot \theta$
☒ B. $\sin \theta$
☐ C. $\tan \theta$
☐ D. $\cos \theta$

Q.33 Two pipes, A and B, can fill an empty water tank in 40 and 50 minutes, respectively. Pipe A is opened, and after 15 minutes pipe B is also opened. What is the time taken by both the pipes to fill the tank from the beginning?

- Ans ☐ A. $23\frac{4}{9}$ minutes
☒ B. $28\frac{8}{9}$ minutes
☐ C. $24\frac{5}{9}$ minutes
☐ D. $18\frac{8}{9}$ minutes

Q.34 If two times the mother's present age is 27 years more than nine times her daughter's age, and five times the daughter's age is 8 year less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans ☐ A. 47
☐ B. 57
☒ C. 52
☐ D. 49

Q.35 What is the value of $\frac{\sin \theta - \cos \theta + 1}{\sin \theta + \cos \theta - 1}$?

- Ans ☐ A. $\tan \theta - \sec \theta$
☐ B. $\cot \theta + \operatorname{cosec} \theta$
☐ C. $\cot \theta - \operatorname{cosec} \theta$
☒ D. $\sec \theta + \tan \theta$

Q.36 Sheela earns ₹48,000 per month. She spends 75% of her income and saves the rest. If her expenditure increases by 10%, what will be her new monthly savings (in ₹)?

- Ans ☐ A. 12,000
☐ B. 10,800
☐ C. 9,600
☒ D. 8,400

Q.37 The median of the following frequency distribution is:

x	1	2	3	4	5	6	7
f	8	10	11	16	20	25	15

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

Q.38 If the decimal number $0.15\overline{201}$ can be expressed in the form of $\frac{a}{b}$ where a and b are co-primes, then find the value of $\sqrt{b - a + 281}$.

- Ans**
- ☒ A. 120
 - ☒ B. 98
 - ☒ C. 145
 - ☒ D. 105

Q.39 A man can row at 9.5 km/h in still water. When the river flows at 2 km/h, it takes him 4 hours to row to a certain place and return. How far is the place? (Round off the answer to two decimal places.)

- Ans**
- ☒ A. 16.08 km
 - ☒ B. 15.06 km
 - ☒ C. 18.16 km
 - ☒ D. 17.12 km

Q.40 The simple interest on a sum of money at 5% per annum for 3 years is ₹1,200. Find the compound interest on the same sum for the same period at the same rate, if interest is compounded annually.

- Ans**
- ☒ A. ₹1,612
 - ☒ B. ₹1,216
 - ☒ C. ₹1,261
 - ☒ D. ₹1,621

Q.41 A sum of ₹25,000 amounts to ₹29,160 in 1 year when the interest is compounded half-yearly. If the interest rate remains the same, how much interest will be earned on ₹18,000 in 1 year when the interest is compounded annually?

- Ans**
- ☒ A. ₹1,440
 - ☒ B. ₹3,080
 - ☒ C. ₹2,880
 - ☒ D. ₹1,760

Q.42 The average of the first 8 consecutive even numbers starting from 24 is:

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

Q.43 In a proportion, the first, second and third proportionals are respectively 6, 24 and 11. If the fourth proportional is $(x^2 - 7x)$, find the positive value of x.

- Ans**
- ☒ A. 44
 - ☒ B. 4
 - ☒ C. 11
 - ☒ D. 28

Q.44 A laptop is sold for ₹45,000 after two successive discounts of 25% and 20% on the marked price. Find the original marked price of the laptop.

- Ans**
- ☒ A. ₹72,000
 - ☒ B. ₹75,000
 - ☒ C. ₹78,000
 - ☒ D. ₹68,000

Q.45
Simplify:

$$\frac{2^4 \times 3^{-3} \times 9^3}{6^2 \times 3^{-1}}$$

- Ans**
- ☒ A. 18
 - ☒ B. 36
 - ☒ C. 48
 - ☒ D. 24

Q.46 Kiran's monthly salary is ₹15,000. He spends ₹5,500 on house rent and ₹3,000 on utility bills, and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

- Ans**
- ☒ A. 58,500
 - ☒ B. 65,000
 - ☒ C. 71,500
 - ☒ D. 78,000

Q.47 X and Y are the midpoints of sides AB and AC, respectively, of triangle ABC. If BC = 9 cm, AB = 11 cm and AC = 14 cm, then what is the ratio of the perimeters of trapezium XBCY to triangle ABC to triangle AXY?

- Ans**
- ☒ A. 26 : 34 : 17
 - ☒ B. 34 : 17 : 26
 - ☒ C. 26 : 17 : 34
 - ☒ D. 17 : 26 : 34

Q.48 The height and the slant height of a cone are 12 cm and 19 cm respectively. What is the volume of the cone? (Use $\pi = \frac{22}{7}$)

- Ans**
- ☒ A. 2728 cm³
 - ☒ B. 2726 cm³
 - ☒ C. 2719 cm³
 - ☒ D. 2738 cm³

Q.49 If 35 machines can produce a certain number of items in 24 days, how many machines are required to produce the same number of items in 14 days?

- Ans**
- ☒ A. 62 machines
 - ☒ B. 61 machines
 - ☒ C. 60 machines
 - ☒ D. 58 machines

Q.50 Arvind bought an article for ₹x. He sold it to Biru at a loss of 15%. Biru spent ₹122 on its transportation and sold it to Minu at a profit of 50%. If Minu bought it for ₹1968, then what is the value of x?

- Ans** ☒ A. 1400
☐ B. 1800
☐ C. 1600
☐ D. 1200

Section : General Intelligence and Reasoning

Q.51 12 is related to 147 following a certain logic. Following the same logic, 19 is related to 364. To which of the following is 14 related, following the same logic?
(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.)

- Ans** ☐ A. 211
☒ B. 199
☐ C. 203
☐ D. 168

Q.52 In a certain code language,
A + B means 'A is the father of B',
A @ B means 'A is the wife of B',
A # B means 'A is mother of B',
and A < B means 'A is the brother of B'.

How is C related to Y if 'C # D < S + T @ Y'?

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

Q.53 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among five trees, N, O, R, S and T each having a different height, which tree is the shortest?

(I) O is shorter than T but taller than S

(II) O is shorter than R. N is taller than S

- Ans** ☐ A. Both statements I and II together are NOT sufficient to answer the question
☐ B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
☒ C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
☐ D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

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 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. CA-VT
☒ B. YW-QR
☐ C. GE-ZX
☐ D. QO-JH

Q.55 What should come in place of ? in the given series based on the English alphabetical order?

XVRU, ARSS, ?, GJUO, JFVM

- Ans
- ☒ A. DQNT
 - ☒ B. DNQT
 - ☒ C. DNTQ
 - ☒ D. DTNQ

Q.56 Refer to the following number, symbol series and answer the question. (Note: All numbers are single-digit numbers only.)

(Left) 8 6 – 4 1 α 3 2 # 3 * 9 \$ + 4 1 Ω 7 (Right)

If all the numbers were dropped from the series, which of the following symbols will be third from the right?

- Ans
- ☒ A. \$
 - ☒ B. α
 - ☒ C. *
 - ☒ D. #

Q.57 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HGH :: RQR : %

- Ans
- ☒ A. # = FEF , % = TST
 - ☒ B. # = FEF , % = TRU
 - ☒ C. # = FEE , % = SRS
 - ☒ D. # = FGH , % = TST

Q.58 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: MIE :: FBX : %

- Ans
- ☒ A. # = QMI , % = BXT
 - ☒ B. # = QMH , % = AWS
 - ☒ C. # = QMI , % = BWU
 - ☒ D. # = QOK , % = BXT

Q.59 Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

V has an exam on Thursday. Exactly 4 people have their exam between T and P, none of whom has an exam on Sunday. R has an exam immediately before S. U does not have an exam on Friday. T does not have an exam after S.

How many people have an exam between S and U?

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

Q.60 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Ajit, Bina, Chip, Dora and Eli are sitting around a circular table, facing the centre. Who sits second to the right of Chip?

Statements:

(I) Bina sits second to the left of Chip. Ajit sits to the immediate left of Bina.

(II) Bina sits to the immediate left of Dora. Eli sits second to the left of Bina.

- Ans** ☒ A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- ☒ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
- ☒ C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- ☒ D. Data in statements I and II together are NOT sufficient to answer the question

Q.61 This question is based on the five, three-digit numbers given below.

(Left) 903, 671, 245, 381, 792 (Right)

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

What is the sum of the first digit of the lowest number and the third digit of the highest number?

- Ans** ☒ A. 7
- ☒ B. 6
- ☒ C. 8
- ☒ D. 5

Q.62 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.

WAR : DHY

KTM : RAT

- Ans** ☒ A. GEO : ZLU
- ☒ B. FBI : MIB
- ☒ C. NHR : UOY
- ☒ D. NSP : UYI

Q.63 Six friends A, B, C, D, E and F are sitting in a row facing north. Only B is sitting between F and D. F is sitting third from the right end. E is sitting second to the left of F. A sits at someplace to the left of E. Who is sitting second to the right of A?

- Ans** ☒ A. B
- ☒ B. C
- ☒ C. F
- ☒ D. D

Q.64 Shubham ranked 29th from the top and 17th from the bottom in his class. How many students are there in his class?

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

Q.65 Eight friends Karan, Shiv, Dipti, Richa, Mahi, Pari, Sonika and Bhanu are sitting around a circular table, facing the centre. Richa sits third to the left of Dipti. Pari sits second to the left of Shiv. Karan sits to the immediate left of Dipti. Sonika sits third to the left of Karan. Shiv sits third to the right of Dipti. Mahi is not an immediate neighbour of Karan. How many people sit between Mahi and Karan when counted from the left of Mahi?

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

Q.66 If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$214 \div 28 \times 7 + 12 - 11 = ?$$

- Ans**
- ☒ A. 81
 - ☒ B. 85
 - ☒ C. 86
 - ☒ D. 83

Q.67 Refer to the following series and answer the question. (Counting to be done from left to right only. Note: All numbers are single digit numbers only)
(Left) 4 5 6 9 1 6 1 9 5 5 8 8 5 9 5 7 1 5 7 8 5 3 5 4 3 2 9 4 6 6
(Right)
How many such even digits are there each of the 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. Three
 - ☒ C. Four
 - ☒ D. Two

Q.68 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among 5 trees, L, M, O, P and Q each having a different height, which tree is the shortest?
(I) L is shorter than M but taller than Q. O is taller than Q
(II) P is taller than only one tree

- Ans**
- ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ B. Both statements I and II together are NOT sufficient to answer the question
 - ☒ C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☒ D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q.69 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. GIK
 - ☒ B. MRV
 - ☒ C. SUW
 - ☒ D. CEG

Q.70 Pranav ranked 24th from the top and 13th from the bottom in his class. How many students are there in his class?

- Ans** ☒ A. 36
☐ B. 35
☐ C. 37
☐ D. 38

Q.71 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 631576454587, 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. 7
☐ C. 8
☐ D. 9

Q.72 This question is based on the five, three-digit numbers given below.
(Left) 594 307 821 476 653 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What is the sum of the first digits of all odd numbers in the group?

- Ans** ☐ A. 19
☒ B. 17
☐ C. 15
☐ D. 13

Q.73 Manu starts from Point A and drives 21 km towards East. He then takes a right turn, drives 20 km, turns right and drives 23 km. He then takes a right turn and drives 25 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. 6 km to the South
☐ B. 7 km to the South
☒ C. 5 km to the South
☐ D. 8 km to the South

Q.74 Which of the following options should come in place of the question mark (?) in the given series?

22 28 35 43 52 ?

- Ans** ☐ A. 63
☐ B. 72
☒ C. 62
☐ D. 60

Q.75 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' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S + A @ E – R % N'?

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

Q.76 10 is related to 110 following a certain logic. Following the same logic, 15 is related to 240. To which of the following is 17 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☒ A. 306
☐ B. 324
☐ C. 323
☐ D. 342

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

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

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

- Ans** ☐ A. 2
☒ B. 3
☐ C. 4
☐ D. 5

Q.78 Each letter in the word BRIDGE is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which letter will be at the last position in the new group of letters thus formed?

- Ans** ☐ A. A
☐ B. F
☐ C. D
☒ D. Q

Q.79 If 2 is subtracted from each odd digit and 1 is added to each even digit in the number 5236587452 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. 4
☐ B. 5
☒ C. 6
☐ D. 3

Q.80 Given the word "FARMING," after replacing each vowel with the next letter and each consonant with the previous letter in the English alphabetical order, which letter occupies the fourth position from the left in the new letter cluster thus formed?

- Ans** ☒ A. L
☐ B. Q
☐ C. J
☐ D. E

Q.81 The increased allocation for PMAY-G in the Union Budget 2026-27 is primarily intended to support which of the following?

- Ans**
- ☐ A. Modernization of agricultural markets
 - ☒ B. Construction of pucca houses for eligible rural families
 - ☐ C. Expansion of rural railway infrastructure
 - ☐ D. Promotion of digital banking services

Q.82 In April 2026, the Constitution (131st Amendment) Bill, 2026, proposed increasing the maximum strength of the Lok Sabha to which of the following limits?

- Ans**
- ☐ A. 650 members including Union Territories
 - ☒ B. 850 members including Union Territories
 - ☐ C. 950 members including Union Territories
 - ☐ D. 750 members including Union Territories

Q.83 Which international platform did India host in New Delhi in November 2025 to reaffirm its commitment to "Inclusive Disaster Risk Data Governance" and regional cooperation for disaster resilience?

- Ans**
- ☐ A. The World Economic Forum (WEF)
 - ☐ B. The Coalition for Disaster Resilient Infrastructure (CDRI)
 - ☒ C. The Asian and Pacific Centre for Development of Disaster Information Management (APDIM)
 - ☐ D. The United Nations Framework Convention on Climate Change (UNFCCC)

Q.84 Which Indian state signed a Letter of Intent (LoI) with SpaceX's Starlink in February, 2026, to provide high-speed satellite internet to its remote and tribal regions?

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

Q.85 Who among the following became the champion of the 2026 Australian Open women's singles tournament after defeating world No. 1 Aryna Sabalenka in the final held at Melbourne Park, Australia?

- Ans**
- ☐ A. Coco Gauff
 - ☒ B. Elena Rybakina
 - ☐ C. Mirra Andreieva
 - ☐ D. Iga Świątek

Q.86 Where was the 29th National Federation Senior Athletics Championships scheduled to be held in May 2026?

- Ans**
- ☒ A. Ranchi
 - ☐ B. Patiala
 - ☐ C. Patna
 - ☐ D. Bhubaneswar

Q.87 What is the primary objective of India's National Clean Air Programme (NCAP) by 2025-26?

- Ans**
- ☐ A. Introducing carbon taxes on household electricity consumption
 - ☐ B. Banning all diesel-operated public transport in urban regions
 - ☒ C. Achieving up to 40% reduction in PM10 concentrations in targeted cities
 - ☐ D. Replacing thermal power plants with hydroelectric stations nationwide

Q.88 What strategic framework did the Central Board of Directors of the RBI approve during its March 2026 meeting in Patna?

- Ans** ☒ A. Utkarsh 3.0
☐ B. Utkarsh 2.0
☐ C. National Strategy for Financial Inclusion (2026-29)
☐ D. Payments Vision 2025

Q.89 In May 2026, which DRDO laboratory successfully conducted a long-duration test of the Actively Cooled Full Scale Scramjet Combustor, marking a breakthrough in hypersonic missile development?

- Ans** ☐ A. Research Centre Imarat (RCI)
☒ B. Defence Research & Development Laboratory (DRDL)
☐ C. Aeronautical Development Establishment (ADE)
☐ D. Defence Electronics Research Laboratory (DLRL)

Q.90 In May 2026, which of the following international football events saw India's men's team compete with teams from Africa and the Caribbean in England?

- Ans** ☒ A. Unity Cup
☐ B. King's Cup
☐ C. Inter Continental Cup
☐ D. Merdeka Tournament

Q.91 According to the QS World University Rankings 2026, which Indian institution emerged as the highest-ranked Indian institute globally by securing the 123rd position and improving from 150th rank in 2025?

- Ans** ☐ A. Indian Institute of Science Bengaluru (IISc Bengaluru)
☒ B. Indian Institute of Technology Delhi (IIT Delhi)
☐ C. Indian Institute of Technology Bombay (IIT Bombay)
☐ D. Jawaharlal Nehru University (JNU)

Q.92 In which state did Prime Minister Narendra Modi inaugurate Kaynes Semicon Plant in March 2026 to strengthen India's semiconductor ecosystem?

- Ans** ☐ A. Karnataka
☐ B. Andhra Pradesh
☒ C. Gujarat
☐ D. Uttar Pradesh

Q.93 In January 2026, the National Youth Day in India was observed to commemorate the birth anniversary of which personality?

- Ans** ☒ A. Swami Vivekananda
☐ B. Rabindranath Tagore
☐ C. Subhas Chandra Bose
☐ D. Mahatma Gandhi

Q.94 In April 2026, what was the name of the Cyber Security Awareness Training Programme launched by C-DAC, Hyderabad and Reliance Foundation to enable one million women across rural India to participate safely in the digital ecosystem?

- Ans** ☐ A. Cyber Sakhi Bharat
☒ B. e-SafeHER
☐ C. SafeNet Women
☐ D. Digital Suraksha Abhiyan

Q.95 Which Indian hockey player was named the Men's Player of the Year at the Hockey India 8th Annual Awards?

- Ans**
- ✓ A. Hardik Singh
 - ✗ B. Vivek Sagar Prasad
 - ✗ C. Mandeep Singh
 - ✗ D. Harmanpreet Singh

Q.96 Who was appointed as the Chairperson of the Department-related Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change in May 2026?

- Ans**
- ✗ A. Dr. Jitendra Singh
 - ✗ B. Sudheer Gupta
 - ✗ C. Om Birla
 - ✓ D. Medha Vishram Kulkarni

Q.97 The 'Moonshot' project, launched by the Indian Institute of Science (IISc) in March 2026, primarily aims to develop which technology?

- Ans**
- ✗ A. Reusable launch vehicles
 - ✓ B. Brain co-processors
 - ✗ C. Quantum communication satellites
 - ✗ D. AI-powered humanoid robots

Q.98 Which literary prize was jointly awarded in 2026 to author Yang Shuangzi and translator Lin King for the novel Taiwan Travelogue, marking the first work originally written in Mandarin Chinese to receive the honour?

- Ans**
- ✗ A. Pulitzer Prize for Fiction
 - ✗ B. Women's Prize for Fiction
 - ✓ C. International Booker Prize
 - ✗ D. Nobel Prize in Literature

Q.99 In March 2026, the Central Bureau of Investigation (CBI) Court Lucknow (Uttar Pradesh) convicted and sentenced six private persons to imprisonment for two years with a fine of Rs. 10,000 each in a significant wildlife smuggling case involving illegal possession and trade of _____.

- Ans**
- ✗ A. Jackal and elephant body parts
 - ✓ B. Tiger and leopard body parts
 - ✗ C. Lion and rhinoceros body parts
 - ✗ D. Tiger and rhinoceros body parts

Q.100 Who won the Rahuri seat in the Maharashtra by-election 2026?

- Ans**
- ✓ A. Akshay Kardile
 - ✗ B. Sharad Pawar
 - ✗ C. Devendra Fadnavis
 - ✗ D. Sunil Tatkar



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
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CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	Webinfotron Technologies Pvt. Ltd.
Test Date	21/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 In an industrial process, a mixture of products is obtained when a hydrocarbon undergoes halogenation. Which method can be used to separate the monosubstituted product?

- Ans** ☒ A. Distillation
☒ B. Filtration
☒ C. Combustion
☒ D. Precipitation

Q.2 In double circulation, which vessel delivers oxygenated blood to the heart?

- Ans** ☒ A. Pulmonary artery
☒ B. Pulmonary vein
☒ C. Aorta
☒ D. Vena cava

Q.3 When carbon dioxide (CO₂) reacts with sodium hydroxide (NaOH), the salt formed is:

- Ans** ☒ A. sodium carbonate
☒ B. sodium sulphate
☒ C. sodium chloride
☒ D. sodium nitrate

Q.4 Why does one end of a solenoid behave as a north pole and the other as a south pole?

- Ans** ☒ A. The solenoid is naturally magnetic
☒ B. The insulation creates the poles
☒ C. There is no current in the solenoid
☒ D. The current creates a similar magnetic effect to a bar magnet

Q.5 Where are reflex arcs primarily formed in the human body?

- Ans** ☒ A. Heart
☒ B. Brain
☒ C. Spinal cord
☒ D. Lungs

Q.6 Anodizing is a process of forming a thick oxide layer of which of the following metals through an electrolytic process?

- Ans**
- ☐ A. copper
 - ☐ B. zinc
 - ☐ C. iron
 - ☒ D. aluminium

Q.7 A student observes that the compass needle deflection decreases as it moves farther from a current-carrying straight conductor. What is the most likely reason for this observation?

- Ans**
- ☐ A. The Earth's magnetic field becomes stronger with distance
 - ☐ B. The shape of the wire affects field strength only at close distances
 - ☒ C. The magnetic field strength decreases as the distance from the conductor increases
 - ☐ D. The electric current in the conductor decreases with distance

Q.8 A student adds hydrochloric acid to sodium hydrogen carbonate. Which observation confirms neutralization?

- Ans**
- ☐ A. Color turns red
 - ☐ B. Precipitate forms
 - ☒ C. Effervescence
 - ☐ D. Temperature drops

Q.9 Which of the following is true about suspensions?

- Ans**
- ☐ A. The solute dissolves completely
 - ☒ B. The solute particles settle down on standing
 - ☐ C. They are transparent
 - ☐ D. They do not scatter light

Q.10 Which statement best describes the direction of velocity in uniform circular motion?

- Ans**
- ☐ A. It is always along the radius away from the center
 - ☐ B. It is always perpendicular to the plane of the circle
 - ☐ C. It is always directed towards the center
 - ☒ D. It is always tangent to the circle at any point

Q.11 Which of the following pairs is **INCORRECT**?

- Ans**
- ☒ A. Cancer Cell — Controlled division
 - ☐ B. Normal Cell — Definite lifespan
 - ☐ C. Malignant — Tissue invasion
 - ☐ D. Embryo — Uses programmed cell death for shaping

Q.12 During sunrise or sunset, why does the Sun's disc appear flattened when observed from Earth?

- Ans**
- ☐ A. Due to gravitational lensing by Earth
 - ☐ B. Because of absorption of sunlight by air
 - ☐ C. Because of scattering of sunlight in the atmosphere
 - ☒ D. Due to atmospheric refraction bending light unevenly across the Sun's disc

Q.13 Which branch of chemistry is most concerned with reactions taking place within living cells?

- Ans**
- ☒ A. Biochemistry
 - ☐ B. Inorganic chemistry
 - ☐ C. Analytical chemistry
 - ☐ D. Physical chemistry

Q.14 What does the formula unit mass of a substance represent?

- Ans**
- ☒ A. Sum of atomic masses of all atoms in a formula unit
 - ☐ B. Difference between molecular and atomic masses
 - ☐ C. Product of atomic numbers of all atoms in a molecule
 - ☐ D. Ratio of atomic masses of metal and nonmetal atoms

Q.15 An ideal inclined plane is 20 m long and raises a load through a vertical height of 4 m. Compared to lifting the load straight up, the effort required to move the load up the plane is _____.

- Ans**
- ☒ A. One-fifth of the load
 - ☐ B. One-half of the load
 - ☐ C. Equal to the load
 - ☐ D. One-fourth of the load

Q.16 A scientist discovers a single-celled eukaryotic organism. Which key feature distinguishes it from Monera in the five kingdom system?

- Ans**
- ☒ A. Presence of a membrane-bound nucleus
 - ☐ B. Multicellular organization
 - ☐ C. Cell wall made of chitin
 - ☐ D. Autotrophic mode of nutrition

Q.17 A student observes an image that is inverted and smaller than the object when using a mirror. What type of magnification is being observed?

- Ans**
- ☒ A. The magnification is less than one and negative
 - ☐ B. The magnification is equal to one and positive
 - ☐ C. The magnification is greater than one and negative
 - ☐ D. The magnification is greater than one and positive

Q.18 During a field study, a student finds an organism that is multicellular, lacks cell walls, and depends on others for food. According to the five kingdom classification, to which kingdom should this organism belong?

- Ans**
- ☐ A. Plantae
 - ☒ B. Animalia
 - ☐ C. Monera
 - ☐ D. Fungi

Q.19 Cell culture refers to the process of growing cells _____.

- Ans**
- ☐ A. only in soil
 - ☐ B. inside the body
 - ☒ C. outside the body
 - ☐ D. without nutrients

Q.20 Which of the following is NOT a correct unit of work done?

- Ans**
- ☐ A. joule
 - ☐ B. watt-second
 - ☒ C. pascal
 - ☐ D. newton-meter

Q.21 What is the term for the growth of plant roots downward in response to gravity?

- Ans**
- ☐ A. Chemotropism
 - ☒ B. Geotropism
 - ☐ C. Phototropism
 - ☐ D. Hydrotropism

Q.22 Oxygen is transported in human blood mainly by binding with the pigment _____.

- Ans**
- ☐ A. Myoglobin
 - ☐ B. Chlorophyll
 - ☐ C. Plasma
 - ☒ D. Haemoglobin

Q.23 Which of the following elements do not possess neutrons inside their nucleus?

- Ans**
- ☒ A. hydrogen
 - ☐ B. neon
 - ☐ C. argon
 - ☐ D. helium

Q.24 Which of the following quantities does the slope of a velocity-time graph represent for an object in motion?

- Ans**
- ☐ A. Force
 - ☐ B. Displacement
 - ☒ C. Acceleration
 - ☐ D. Speed

Q.25 A sound wave with a frequency of 15 Hz would be best categorized as which type?

- Ans**
- ☐ A. Hypersonic sound
 - ☒ B. Infrasonic sound
 - ☐ C. Ultrasonic sound
 - ☐ D. Audible sound

Section : Mathematics

Q.26 The sides of a rectangular field are 35 m and 110 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?

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

- Ans**
- ☐ A. 227
 - ☐ B. 189
 - ☐ C. 222
 - ☒ D. 220

Q.27 Find the value of $\frac{(\sin A + \cos A)^2 - (\sin A - \cos A)^2}{(1 + \sin A)(1 - \cos A) - (\sin A - \cos A) - 1}$.

- Ans ☒ A. 4
☒ B. -4
☒ C. 3
☒ D. -3

Q.28 If $\operatorname{cosec}^2 \theta + \cot^2 \theta = \frac{7}{2}$, $0^\circ < \theta < 90^\circ$, then find the value of $\sqrt{}$:

- Ans ☒ A. $\frac{5}{3}$
☒ B. $\frac{3}{7}$
☒ C. $\frac{7}{3}$
☒ D. $\frac{3}{5}$

Q.29 What is the least value that must be assigned to A so that the number 506A2404 is divisible by 3?

- Ans ☒ A. 4
☒ B. 0
☒ C. 3
☒ D. 6

Q.30 What is the sum of all prime numbers between 0 and 32?

- Ans ☒ A. 160
☒ B. 161
☒ C. 131
☒ D. 132

Q.31 Rajat sells a property to his friend at 10% loss. If the friend sells it for 10,80,000 and gains 20%, then for how much did Rajat buy the property?

- Ans ☒ A. 9,80,000
☒ B. 9,20,000
☒ C. 10,00,000
☒ D. 9,00,000

Q.32 The present ages of a father and his son are in the ratio 9 : 4. After 10 years, the ratio of their ages will be 11 : 6. What is the father's present age?

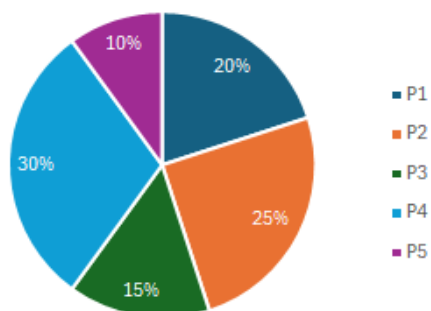
- Ans ☒ A. 45 years
☒ B. 27 years
☒ C. 36 years
☒ D. 54 years

Q.33 The length of a rectangle is increased by 40%. By what percentage must the breadth be decreased to keep the area constant? (Rounded off to 2 decimal places)

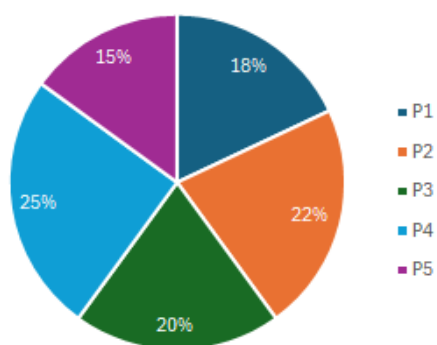
- Ans ☒ A. 30.57%
☒ B. 31.57%
☒ C. 27.57%
☒ D. 28.57%

- Q.34** A company sells five products: P1, P2, P3, P4, and P5. The two pie charts show percentage contribution to total sales revenue in 2023 and 2024. Study the pie charts and answer the question that follows.

Pie Chart 1 – 2023 (Total Revenue ₹200 crore)



Pie Chart 2 – 2024 (Total Revenue ₹240 crore)



What percentage of the combined two-year total revenue was earned from P2 (rounded off to two decimal places)?

- Ans** ☒ A. 25.52%
☒ B. 26.08%
☒ C. 23.36%
☒ D. 24.11%

- Q.35** The LCM of 48 and 68 is

- Ans** ☒ A. 684
☒ B. 786
☒ C. 864
☒ D. 816

- Q.36** A car was originally priced at ₹5,00,000. After a 12% price increase, it is now being sold for ₹5,60,000. If the price is further decreased by 5%, what is the final price of the car?

- Ans** ☒ A. ₹5,32,000
☒ B. ₹5,25,000
☒ C. ₹5,30,000
☒ D. ₹5,35,000

Q.37 A and B started a business in partnership by investing ₹20,000 and ₹15,000, respectively. After six months, C joined them with ₹20,000. What will be B's share in the total profit of ₹20,000 earned at the end of 2 years from the start of the business?

- Ans** ☒ A. ₹5,400
☒ B. ₹7,200
☒ C. ₹6,800
☒ D. ₹6,000

Q.38 The ratio of the ages of Aisha and her mother is 2 : 5, and the ratio of the ages of Aisha's mother to her brother is 7 : 1. If Aisha's brother is 9 years younger than Aisha, what was Aisha's mother's age five years ago?

- Ans** ☒ A. 35 years
☒ B. 40 years
☒ C. 25 years
☒ D. 30 years

Q.39 Which of the following shows relation between x and y for the given data if mean of the data is 30?

Class Interval	Frequency
0-10	2
10-20	4
20-30	x
30-40	y
40-50	3

- Ans** ☒ A. $y = x + 10$
☒ B. $x = y + 13$
☒ C. $x = y + 10$
☒ D. $y = x + 13$

Q.40 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 7 months.

- Ans** ☒ A. 46.25
☒ B. 315
☒ C. 52.5
☒ D. 26.25

Q.41 A boat travels 45 km upstream in 9 hours and 72 km downstream in 6 hours. Find the speed of the stream.

- Ans** ☒ A. 2 km/hr
☒ B. 2.5 km/hr
☒ C. 3.5 km/hr
☒ D. 1.5 km/hr

Q.42 The average score of a cricketer in four matches is 45 and in six other matches is 65. Find the average score in all ten matches.

- Ans** ☒ A. 57
☒ B. 58
☒ C. 56
☒ D. 55

Q.43 At what rate per cent per annum will a certain sum of money multiply itself by 4 times in 2 years, interest being compounded annually?

- Ans**
- ☒ A. 75
 - ☒ B. 50
 - ☒ C. 100
 - ☒ D. 200

Q.44 Kaushal travelled for 23 hours 30 minutes at the speed of 52 km/h. At what speed (in km/h) should he travel to cover the same distance in 13 hours?

- Ans**
- ☒ A. 94
 - ☒ B. 92
 - ☒ C. 95
 - ☒ D. 93

Q.45 Veer can prepare one wooden table in 2 days, and Manoj can prepare the same table in 4 days. If they work together, in how many days will they prepare 111 tables?

- Ans**
- ☒ A. 144
 - ☒ B. 150
 - ☒ C. 148
 - ☒ D. 152

Q.46 If the mean of the following data is 46, then what is the value of x?

Class	10-20	20-30	30-40	40-50	50-60
Frequency	24	16	25	49	x

- Ans**
- ☒ A. 156
 - ☒ B. 147
 - ☒ C. 181
 - ☒ D. 137

Q.47 The sum of two numbers is 1040. If the bigger number is decreased by 4% and the smaller number is increased by 12%, then the numbers obtained are equal. Find the two numbers.

- Ans**
- ☒ A. 560, 480
 - ☒ B. 500, 640
 - ☒ C. 600, 440
 - ☒ D. 520, 520

Q.48 What is 24% of the sum of the compound interest earned on ₹12,500 at 10% per annum for 2 years and the simple interest earned on ₹47,500 at 13% per annum for 2 years?

- Ans**
- ☒ A. ₹3,596
 - ☒ B. ₹2,596
 - ☒ C. ₹3,594
 - ☒ D. ₹2,594

Q.49 In quadrilateral PQRS, $\angle P = 105^\circ$, $\angle Q = 65^\circ$ and $\angle R = \angle S$. Find

- Ans**
- ☒ A. 259°
 - ☒ B. 183°
 - ☒ C. 240°
 - ☒ D. 205°

Q.50 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 46% and 13%, shop II allows successive discounts of 55% and 69%, shop III allows successive discounts of 47% and 68% and shop IV allows successive discounts of 91%, 98% and 18% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☐ A. I
 - ☐ B. III
 - ☐ C. II
 - ☒ D. IV

Section : General Intelligence and Reasoning

Q.51 This question is based on the given words.

SUN EGO APT CUB

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.52 In a certain code language,
A $\neq$ B means 'A is the wife of B',
A $\neq$ B means 'A is the father of B',
A $\div$ B means 'A is the daughter of B' and
A $\leq$ B means 'A is the mother of B'.

Based on the above, how is P related to R if 'P $\neq$ A $\div$ G $\leq$ E $\neq$ R'?

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

Q.53 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $9 - 34 + 38 \times 18 \div 27 = ?$

- Ans**
- ☐ A. -13
 - ☐ B. -12
 - ☒ C. -14
 - ☐ D. -16

Q.54 Six friends E, F, G, H, L and M are sitting in a straight line, facing north. No one sits to the right of M. Only three people sit between M and F. Only two people sit between E and M. H sits third to the left of G. How many people sit between L and H?

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

Q.55 What will come in place of the question mark (?) in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$24 \div 4 + 6 - 2 \times 3 = ?$$

- Ans** ☒ A. 15
☐ B. 12
☐ C. 9
☐ D. 6

Q.56 The position(s) of how many letters will remain unchanged if each letter in the word CASTLE is arranged in the English alphabetical order?

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

Q.57 P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.
U lives on floor number 5. R lives on a floor above U. Only S lives below T. Q lives on an even-numbered floor.
How many people live below P?

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

Q.58 Refer to the following letter, 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) 4 G @ H J * P R % 7 E & L T 5 \$ 6 ! 3 M # (Right)

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

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

Q.59 Rohit ranked 90th from the top and 56th from the bottom in his class. How many students are there in the class?

- Ans** ☐ A. 146
☐ B. 135
☐ C. 136
☒ D. 145

Q.60 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

22 - 32 - 64 - 128;

24 - 34 - 68 - 136

- Ans**
- ☒ A. 19 - 38 - 48 - 96
 - ☒ B. 18 - 28 - 56 - 66
 - ☒ C. 21 - 42 - 52 - 104
 - ☒ D. 9 - 19 - 38 - 76

Q.61 What should come in place of the question mark (?) in the given series?
6 11 16 21 26 ?

- Ans**
- ☒ A. 27
 - ☒ B. 31
 - ☒ C. 28
 - ☒ D. 30

Q.62 The position(s) of how many letters will remain unchanged if each letter in the word CHAMBER is arranged in the English alphabetical order?

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

Q.63 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Among L, M, N, O, and P each having a different age, who is the second youngest?

Statements:

I. O is older than M and L but younger than P.

II. N is older than O. L is not the youngest.

- Ans**
- ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☒ C. Both statements I and II together are NOT sufficient to answer the question
 - ☒ D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

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.

YZC-FGJ

UVY-BCF

- Ans**
- ☒ A. RSV-YZC
 - ☒ B. RRT-XYB
 - ☒ C. RRT-YZC
 - ☒ D. RSV-XZB

Q.65 Refer to the given 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) € # 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. 1
 - ☒ B. 3
 - ☒ C. 2
 - ☒ D. 4

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.

FUEL – LFEU – ELFU

MINT – TMNI – NTMI

- Ans**
- ☒ A. NOTE – ENTO – OTEN
 - ☒ B. EARL – LERA – RLEA
 - ☒ C. DUSK – KDUS – SKDU
 - ☒ D. PACE – EPCA – CPAE

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 conclusion(s) logically follow(s) from the statements.

Statements: All balls are cameras. All fins are cameras.

Conclusions:

(I) Some balls are fins.

(II) Some cameras are fins.

- 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.68 Refer to the given 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) 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. 8
 - ☒ B. 5
 - ☒ C. 6
 - ☒ D. 7

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. CI - KO
 - ☒ B. KQ - SW
 - ☒ C. RA - ZJ
 - ☒ D. YE - GK

Q.70 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Abhi, Bani, Chari, Dipu and Epi are sitting around a circular table, facing the centre. Who sits second to the left of Dipu?

(I) Abhi sits second to the right of Chari. Dipu sits to the immediate right of Bani.

(II) Epi sits second to the right of Dipu. Bani sits second to the right of Epi.

- Ans**
- ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☒ B. Data in statements I and II together are NOT sufficient to answer the question.
 - ☒ C. Data in statement I alone is sufficient to answer the question while data in statement II is not.
 - ☒ D. Data in statement II alone is sufficient to answer the question while data in statement I is not.

Q.71 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. T is kept immediately above S. J is kept immediately above K. Only Q is kept above I. Only one box is kept between Q and T. J is not kept at the third position from the bottom. How many boxes are kept between R and Q?

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

Q.72 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7168543, how many digits will appear more than once in the new number thus formed?

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

Q.73 Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Q sits to the immediate right of R. Only three people sit between I and J. P sits to the immediate left of J. No one sits to the right of K. Only two people sit between K and P.

How many people sit between Z and Q?

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

Q.74 13 is related to 143 following a certain logic. Following the same logic, 5 is related to 15. To which of the given options is 7 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- ☐ A. 56
 - ☐ B. 42
 - ☒ C. 35
 - ☐ D. 36

Q.75 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. DFI
 - ☐ B. PRT
 - ☐ C. SUW
 - ☐ D. HJL

Q.76 IN 28 is related to JQ 17 in a certain way. In the same way, TT 20 is related to UW 9. To which of the following is PU 16 related, following the same logic?

- Ans**
- ☐ A. RW 7
 - ☐ B. QW 5
 - ☒ C. QX 5
 - ☐ D. RX 7

Q.77 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DHC FJE HLG JNI ?

- Ans**
- ☐ A. LOJ
 - ☒ B. LPK
 - ☐ C. LPJ
 - ☐ D. LOK

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: Some muds are stadiums. No stadium is a ground.

Conclusions:

(I) Some muds are grounds.

(II) Some stadiums are muds.

- 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.79 This question is based on the given words.

YES SIP TAR PUN

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.80 J is the mother of U. U is the sister of N. D is the father of R. R is the son of N. How is J related to D?

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

Section : General Awareness and Current Affairs

Q.81 Which of the following organisations successfully flight-tested the indigenously developed third-generation fire-and-forget Man Portable Anti-Tank Guided Missile (MPATGM) with top-attack capability in January 2026?

- Ans**
- ☐ A. Hindustan Aeronautics Limited
 - ☒ B. Defence Research and Development Organisation
 - ☐ C. Department of Defence Production
 - ☐ D. Department of Ex-Servicemen Welfare

Q.82 The RBI's Monetary Policy Committee, in its October 2025 meeting, kept the repo rate unchanged at:

- Ans**
- ☒ A. 5.50%
 - ☐ B. 5.00%
 - ☐ C. 6.00%
 - ☐ D. 4.75%

Q.83 In April 2026, the Ministry of Social Justice and Empowerment launched the NMBA 2.0 App to strengthen monitoring under which of the following campaigns?

- Ans**
- ☒ A. Nasha Mukta Bharat Abhiyaan
 - ☐ B. Poshan Abhiyaan
 - ☐ C. Beti Bachao Beti Padhao
 - ☐ D. Fit India Movement

Q.84 Which organisation collaborated with DRDO to successfully conduct the launch of the Agni-Prime missile in September 2025?

- Ans**
- ☐ A. Indian Army Artillery Corps
 - ☐ B. Defence Acquisition Council (DAC)
 - ☒ C. Strategic Forces Command (SFC)
 - ☐ D. Indian Space Research Organisation (ISRO)

Q.85 Which purpose was associated with JANANI (Journey of Antenatal, Natal and Neonatal Integrated Care), the service-oriented digital platform launched by the Ministry of Health and Family Welfare in 2026?

- Ans**
- ☐ A. Managing nationwide cold-chain logistics and real-time inventory of infant vaccines across districts
 - ☐ B. Providing automated virtual consultation and telemedicine services to elderly citizens in rural areas
 - ☐ C. Facilitating direct benefit cash transfers to eligible pregnant women under institutional delivery schemes
 - ☒ D. Seamless tracking and monitoring of maternal and child health services

Q.86 Which of the following teams won the Vijay Hazare Trophy 2025-26?

- Ans**
- ☐ A. Karnataka
 - ☒ B. Vidarbha
 - ☐ C. Saurashtra
 - ☐ D. Mumbai

Q.87 Who was the BJP leader who defeated AAP's Manoj Tyagi in the Karawal Nagar constituency in the 2025 Delhi Legislative Assembly elections?

- Ans**
- ☐ A. Ravinder Indraj Singh
 - ☐ B. Ashish Sood
 - ☐ C. Pankaj Kumar Singh
 - ☒ D. Kapil Mishra

Q.88 Which athlete won the gold medal in the Men's 400 m Run T46/T47 event at the World Para Athletics Grand Prix 2026?

- Ans**
- ☐ A. Mariyappan Thangavelu
 - ☒ B. Bhavikkumar Din Bharwad
 - ☐ C. Nishad Kumar
 - ☐ D. Devendra Jhajharia

Q.89 The 7th meeting of the National Board for Wildlife (NBWL) held in March 2025, was chaired by the Prime Minister at which National Park?

- Ans**
- ☒ A. Gir National Park
 - ☐ B. Kaziranga National Park
 - ☐ C. Bandipur National Park
 - ☐ D. Jim Corbett National Park

Q.90 Who was appointed as the new Vice-Chairman of NITI Aayog in April 2026?

- Ans**
- ☒ A. Ashok Kumar Lahiri
 - ☐ B. Vir Vikram Yadav
 - ☐ C. Sanjay Kumar
 - ☐ D. Shashi Shekhar Vempati

Q.91 Which DRDO-developed indigenous system successfully completed maiden flight trials in May 2026 and can enable conventional aerial bombs to function as precision-guided glide weapons?

- Ans**
- ☐ A. Strategic Air Defence Rocket Application (SADRA) system
 - ☐ B. Terminal Aviation Reconnaissance Assembly (TARA-II) system
 - ☒ C. Tactical Advanced Range Augmentation (TARA) system
 - ☐ D. Indigenous Naval Strike Augmentation (INSA) system

- Q.92** In which Indian state were the 60th National Cross Country Championships hosted in January 2026?
- Ans** ☒ A. Bihar
☒ B. Punjab
☒ C. Odisha
☒ D. Jharkhand
- Q.93** In May 2026, the Vice President of India released *The Library Man of India: The Story of P.N. Panicker*. Who authored this book?
- Ans** ☒ A. P. P. Sathyan
☒ B. Shivraj Singh Chouhan
☒ C. Vijay Goel
☒ D. Shashi Tharoor
- Q.94** The novel "John of John", published in May 2026 and selected as an Oprah's Book Club Pick, is authored by which Booker Prize-winning writer?
- Ans** ☒ A. Andrew O'Hagan
☒ B. Salman Rushdie
☒ C. Kazuo Ishiguro
☒ D. Douglas Stuart
- Q.95** Which internationally acclaimed author, best known for 'The Fault in Our Stars', will make his adult fiction debut with the novel 'Hollywood, Ending' in September 2026?
- Ans** ☒ A. Rainbow Rowell
☒ B. John Green
☒ C. Angie Thomas
☒ D. David Levithan
- Q.96** In May 2026, the Government of India launched the Country Strategic Opportunities Programme (COSOP) 2026–2033 in partnership with which international organisation to strengthen rural incomes, resilience, and sustainable livelihood opportunities?
- Ans** ☒ A. Food and Agriculture Organization
☒ B. Asian Development Bank
☒ C. World Bank
☒ D. International Fund for Agricultural Development
- Q.97** Which of the following mascots represents the United States for the FIFA 2026 World Cup?
- Ans** ☒ A. Zayu the Jaguar
☒ B. Misha the Friendly Bear
☒ C. Clutch the Bald Eagle
☒ D. Maple the Moose
- Q.98** The achievement of 20% ethanol blending in petrol by India in 2025, as highlighted by the Union Minister of Petroleum and Natural Gas, primarily supports which national objective?
- Ans** ☒ A. Reducing agricultural output
☒ B. Increasing crude oil imports
☒ C. Expanding coal-based power generation
☒ D. Promoting clean and renewable energy

Q.99 Who was elected as the Chief Minister of Tamil Nadu in May 2026?

- Ans**
- ☐ A. Udhayanidhi Stalin
 - ☐ B. Edappadi K. Palaniswami
 - ☒ C. C. Joseph Vijay
 - ☐ D. M. K. Stalin

Q.100 Which party won the 2025 Delhi Legislative Assembly elections with a clear majority?

- Ans**
- ☐ A. Indian National Congress (INC)
 - ☒ B. Bharatiya Janata Party (BJP)
 - ☐ C. Bahujan Samaj Party (BSP)
 - ☐ D. Aam Aadmi Party (AAP)



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	iON Digital Zone iDZ Gram Raigawan Near Patan Bypass
Test Date	21/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which rule is used to determine the direction of the magnetic field at the centre of a circular current-carrying loop?

- Ans** ☒ A. Right-hand thumb rule
☒ B. Joule's law of heating
☒ C. Fleming's left hand rule
☒ D. Ohm's law

Q.2 Which arrangement correctly shows the distribution of electrons in the orbits of the element sodium (atomic number 11)?

- Ans** ☒ A. 3,9
☒ B. 2,8,1
☒ C. 1,8,2
☒ D. 2,9

Q.3 Which products are always formed during a complete neutralization chemical reaction?

- Ans** ☒ A. Salt and water
☒ B. Gas and salt
☒ C. Acid and base
☒ D. Metal and gas

Q.4 If all the snakes in a food chain disappear, what will be the immediate effect on the food chain?

- Ans** ☒ A. Grass population will decrease
☒ B. Frog population will increase
☒ C. Tree population will decrease
☒ D. Tiger population will increase

Q.5 A clinical investigation identifies a unicellular, motile, eukaryotic organism that ingests bacteria for food. Which is the best position for this organism in the five kingdom system?

- Ans** ☒ A. Animalia
☒ B. Fungi
☒ C. Protista
☒ D. Monera

Q.6 A field ecologist studies fish in a high-altitude lake with low oxygen. Which structural adaptation in the gills would most likely be observed?

- Ans**
- ✓ A. Greater surface area for gas exchange
 - ✗ B. Reduced blood flow in gills
 - ✗ C. Thicker gill membranes
 - ✗ D. Fewer capillaries in gill tissue

Q.7 Match Column A with Column B.

Column A	Column B
(a) Alveoli	(i) Prevents food entry into the trachea
(b) Haemoglobin	(ii) Gas exchange
(c) Diaphragm	(iii) Oxygen transport
(d) Epiglottis	(iv) Helps in inhalation

- Ans**
- ✗ A. a-ii, b-iv, c-iii, d-i
 - ✗ B. a-iv, b-iii, c-ii, d-i
 - ✓ C. a-ii, b-iii, c-iv, d-i
 - ✗ D. a-iii, b-ii, c-iv, d-i

Q.8 If two atoms of the same element have different mass numbers but the same number of protons, which subatomic particle is responsible for this difference?

- Ans**
- ✗ A. Proton
 - ✓ B. Neutron
 - ✗ C. Positron
 - ✗ D. Electron

Q.9 Seat belts in cars are provided to protect passengers during sudden braking or collision because of:

- Ans**
- ✗ A. Inertia of rest
 - ✗ B. Friction
 - ✗ C. Inertia of direction
 - ✓ D. Inertia of motion

Q.10 Considering the versatility of carbon, which scenario most accurately represents its role in environmental science?

- Ans**
- ✗ A. Use of calcium carbonate in bones
 - ✗ B. Formation of sodium carbonate in water
 - ✓ C. Formation of carbon dioxide in respiration
 - ✗ D. Formation of magnesium oxide in rocks

Q.11 Which of the following is a property of a suspension?

- Ans**
- ✗ A. Particles are smaller than 1 nm
 - ✗ B. Particles do not settle down
 - ✗ C. Homogeneous mixture
 - ✓ D. Can be separated by filtration

Q.12 A cyclist travels 60 metres north and then 80 metres south in 20 seconds. What is the magnitude of his average velocity?

- Ans**
- ✓ A. One metre per second
 - ✗ B. Seven metres per second
 - ✗ C. Zero metres per second
 - ✗ D. Five metres per second

Q.13 A real, inverted image is formed at a distance of 30 cm in front of a concave mirror when an object is placed 60 cm from the mirror. Which statement best describes the focal length of the mirror?

- Ans**
- ☐ A. The focal length of the mirror is + 15 cm
 - ☐ B. The focal length of the mirror is + 10 cm
 - ☐ C. The focal length of the mirror is - 30 cm
 - ☒ D. The focal length of the mirror is - 20 cm

Q.14 A student claims that a stationary object has kinetic energy because it has mass. Evaluate this statement.

- Ans**
- ☒ A. The statement is incorrect because kinetic energy requires motion
 - ☐ B. The statement is correct only for objects on Earth
 - ☐ C. The statement is correct because all objects with mass have kinetic energy
 - ☐ D. The statement is incorrect because only energy in motion counts as potential energy

Q.15 Which property is most commonly observed in ionic compounds like sodium chloride?

- Ans**
- ☐ A. High electrical conductivity in solid state
 - ☒ B. High melting and boiling points
 - ☐ C. Poor electrical conductivity in molten state
 - ☐ D. Low melting and boiling points

Q.16 A technician wants to decrease the magnetic effect around a current-carrying wire without changing the wire's material or environment. Which method should be used?

- Ans**
- ☐ A. Increase the length of the wire used
 - ☐ B. Change the wire's path to a straight line
 - ☐ C. Make the wire thinner without changing the current
 - ☒ D. Reduce the amount of current flowing through the wire

Q.17 The absence of a nucleus in mature RBCs provides more room for _____, which carries oxygen to the body.

- Ans**
- ☒ A. Hemoglobin
 - ☐ B. Lysosomes
 - ☐ C. DNA
 - ☐ D. Chlorophyll

Q.18 A toy car of mass 0.5 kg moves with speed 2 m/s, Its kinetic energy is:

- Ans**
- ☐ A. 2.5 J
 - ☒ B. 1 J
 - ☐ C. 2 J
 - ☐ D. 0.5 J

Q.19 How do micelles enable soaps to function effectively in cleaning oily stains from clothes?

- Ans**
- ☐ A. They chemically break down oily molecules into polar fragments that can evaporate easily.
 - ☒ B. They surround and trap non-polar substances, making them soluble in water
 - ☐ C. They coat the fabric surface with a hydrophobic layer that prevents water from sticking.
 - ☐ D. They increase the pH of water so that oils form solid precipitates that can be washed away.

Q.20 If a lens produces an image twice as tall as the object, what is the magnification produced by the lens?

- Ans ☐ A. 0.5
☒ B. 2
☐ C. 1
☐ D. -2

Q.21 Which of the following is NOT a use of bleaching powder?

- Ans ☐ A. Disinfecting drinking water
☐ B. Manufacturing chloroform
☐ C. Bleaching cotton and linen
☒ D. Removing hardness of water

Q.22 How does a stethoscope use the principle of reflection of sound?

- Ans ☐ A. By absorbing sound waves
☐ B. By filtering sound by frequency
☐ C. By directing sound outward
☒ D. Through multiple reflections within its tube to transmit heartbeat sounds

Q.23 What are the end products formed during anaerobic respiration in yeast cells?

- Ans ☐ A. Lactic acid and water
☐ B. Water and oxygen
☒ C. Ethanol and carbon dioxide
☐ D. Glucose and oxygen

Q.24 Match the excretory product in Column A with the organ that removes it in Column B.

Column A (Excretory Product)	Column B (Organ)
(a) Urea	(i) Liver
(b) Carbon dioxide	(ii) Lungs
(c) Excess salts	(iii) Skin
(d) Bile salts	(iv) Kidney

- Ans ☐ A. a-iii, b-iv, c-ii, d-i
☐ B. a-ii, b-i, c-iv, d-iii
☐ C. a-iv, b-iii, c-i, d-ii
☒ D. a-iv, b-ii, c-iii, d-i

Q.25 Name the process of selective cell destruction that helps in the formation of separate fingers during embryonic development.

- Ans ☐ A. Mitosis
☐ B. Plasmolysis
☐ C. Meiosis
☒ D. Programmed cell death

Section : Mathematics

Q.26 Kaushal travelled for 16 hours 15 minutes at the speed of 64 km/h. At what speed (in km/h) should he travel to cover the same distance in 10 hours?

- Ans ☐ A. 106
☐ B. 105
☐ C. 103
☒ D. 104

Q.27 If $x = \sqrt{36} + (5)^2$, then find the value of x.

- Ans
- ☐ A. 30
 - ☒ B. 31
 - ☐ C. 32
 - ☐ D. 28

Q.28 The average marks of 21 students is 32. If the first 10 students' average marks is 30 and the last 10 students' average marks is 31, find the marks of the 11th student.

- Ans
- ☐ A. 64
 - ☐ B. 65
 - ☒ C. 62
 - ☐ D. 60

Q.29 A hollow cylindrical pipe is 40 cm long. Its external radius is 8 cm and the material costs ₹1 per cm^3 , then find the cost of the pipe (₹). (Us

- Ans
- ☐ A. ₹6645
 - ☒ B. ₹6908
 - ☐ C. ₹6788
 - ☐ D. ₹6160

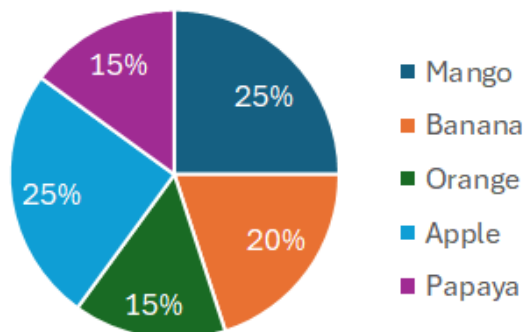
Q.30 The two given pie charts show the distribution of production (in tonnes) of different fruits in a farm for Year 2023 and Year 2024.

Total production:

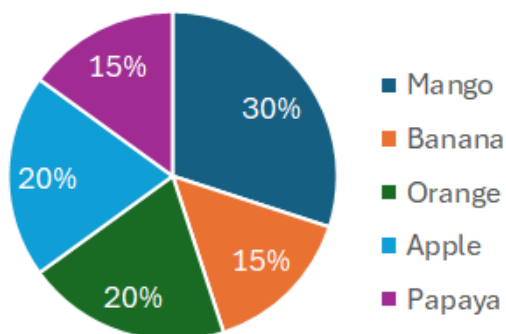
2023 → 2400 tonnes

2024 → 3000 tonnes

Pie Chart (2023)



Pie Chart (2024)



The production of which fruit increased by the highest percentage from 2023 to 2024?

- Ans**
- ☒ A. Mango
 - ☒ B. Papaya
 - ☒ C. Orange
 - ☒ D. Banana

Q.31 The marked price of a cooker is the same at four shops I, II, III and IV. Shop I allows two successive discounts of 97% and 13%, shop II allows successive discounts of 43% and 31%, shop III allows successive discounts of 73% and 14% and shop IV allows successive discounts of 97%, 83% and 24% on the marked price of the cooker. Which shop is selling the cooker at the lowest price?

- Ans**
- ☒ A. II
 - ☒ B. III
 - ☒ C. I
 - ☒ D. IV

Q.32 In $\triangle ABC$, D, E and F are the mid-points of sides AB, BC and CA, respectively. Four triangles, $\triangle ADF$, $\triangle BDE$, $\triangle CEF$ and $\triangle DEF$ are formed by using A, B, C, D, E and F.

The following observations are made about these four triangles.

- i. All the four triangles have equal perimeter.
- ii. All the four triangles have equal area.

Which of the following is true regarding the given observations?

- Ans**
- ☐ A. Only (ii) is true.
 - ☐ B. Neither (i) nor (ii) is true.
 - ☒ C. Both (i) and (ii) are true.
 - ☐ D. Only (i) is true.

Q.33 Simplify $(2\cos^2 A - 1)\left(\frac{1 + \tan A}{1 - \tan A} + \frac{1 - \tan A}{1 + \tan A}\right)$.

- Ans**
- ☐ A. $2\cos^2 A$
 - ☐ B. $2\tan^2 A$
 - ☐ C. 1
 - ☒ D. 2

Q.34 A sum of ₹30,000 is invested in each of two different schemes for 2 years. The first scheme offers compound interest at 8% per annum, compounded annually, while the second scheme offers compound interest at 6% per annum, compounded annually. Find the difference between the compound interest earned from the two schemes.

- Ans**
- ☐ A. ₹1210
 - ☒ B. ₹1284
 - ☐ C. ₹1087
 - ☐ D. ₹1344

Q.35 Three-fifths of a certain number is equivalent to 70% of another number. What is the ratio of the first number to the second number?

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

Q.36 A ship takes 15.5 hours for travelling downstream from point M to point N and coming back to a point P midway between M and N. If the speed of the stream is 3.5 kmph and the speed of the ship in still water is 11.5 kmph, what is the distance between M and N?

- Ans**
- ☐ A. 105 km
 - ☒ B. 120 km
 - ☐ C. 118 km
 - ☐ D. 110 km

Q.37 The price of an article becomes ₹18,000 when increased by 12.5%. 1

- Ans**
- ☐ A. ₹14,000
 - ☒ B. ₹16,000
 - ☐ C. ₹18,000
 - ☐ D. ₹20,000

Q.38 Krish can prepare one wooden wardrobe in 2 days, and Moksh can prepare the same wardrobe in 4 days. If they work together, in how many days will they prepare 114 wardrobes?

- Ans**
- ☐ A. 148
 - ☐ B. 156
 - ☐ C. 154
 - ☒ D. 152

Q.39 At what rate percent per annum will a certain sum of money multiply itself by 9 times in 2 years, the interest being compounded annually?

- Ans**
- ☒ A. 200
 - ☐ B. 75
 - ☐ C. 150
 - ☐ D. 100

Q.40 A trader marks his goods at 45% above the cost price and allows a discount of 17% on it. If he gains x%, then value of x is:

- Ans**
- ☐ A. 19.35
 - ☐ B. 22.35
 - ☐ C. 21.35
 - ☒ D. 20.35

Q.41 Find the value of $\sqrt{\frac{\tan \theta + \sin \theta}{\tan \theta - \sin \theta}} - \operatorname{cosec} \theta$.

- Ans**
- ☐ A. $\operatorname{cosec} \theta - \cot \theta$
 - ☐ B. $\operatorname{cosec} \theta$
 - ☒ C. $\cot \theta$
 - ☐ D. $\operatorname{cosec} \theta + \cot \theta$

Q.42 Income of Peter was ₹6,000. The company he worked for came under loss and his salary was reduced by 20%. After a year, the company gave him a 30% increase on the reduced income. Compare Peter's final income with his original income and calculate by how much more or less his final income is.

- Ans**
- ☐ A. Less by ₹240
 - ☒ B. More by ₹240
 - ☐ C. Less by ₹200
 - ☐ D. More by ₹200

Q.43 If $x = 5^3 \times 5^2$, then what is the value of $x \div 5^4$?

- Ans**
- ☐ A. 10
 - ☒ B. 5
 - ☐ C. 15
 - ☐ D. 25

Q.44 Which of the following ratios is the greatest?

- Ans**
- ☐ A. 7:10
 - ☐ B. 3:4
 - ☐ C. 5:7
 - ☒ D. 4:5

Q.45 The sides of a rectangular field are 63 m and 22 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?

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

- Ans** ☒ A. 132
☒ B. 119
☒ C. 146
☒ D. 152

Q.46 The mean of n observations 1, 4, 9, 16, ..., n^2 is 130. What is the value of n ?

- Ans** ☒ A. 15
☒ B. 19
☒ C. 20
☒ D. 13

Q.47 What is the value of $(6x + 9y)$, if mean of the following distribution is 50?

Class	0-20	20-40	40-60	60-80	80-100	Total
Frequency	9	16	x	2	y	70

- Ans** ☒ A. 306
☒ B. 297
☒ C. 301
☒ D. 312

Q.48 Two years ago, Rohit's age was four times that of his son. Five years from now, the ratio of Rohit's age to his son's age will be 5 : 2. What will be the age of his son five years from now?

- Ans** ☒ A. 14 years
☒ B. 9 years
☒ C. 18 years
☒ D. 13 years

Q.49 Find the simple interest (in ₹) on ₹1,500 at an interest rate of 3% per month in 6 months.

- Ans** ☒ A. 45
☒ B. 22.5
☒ C. 42.5
☒ D. 270

Q.50 What is the least value that must be assigned to A so that the number 659A9422 is divisible by 3?

- Ans** ☒ A. 1
☒ B. 2
☒ C. 7
☒ D. 4

Q.51 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AEH CGJ EIL GKN ?

- Ans**
- ☒ A. INP
 - ☒ B. IMO
 - ☒ C. IMP
 - ☒ D. INO

Q.52 Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 3 H 7 \$ R @ 9 T % 4 K 2 & M ! 6 P 9 * D # (Right)

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

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

Q.53 In a certain code language,
A + B means 'A is the father of B',
A @ B means 'A is the wife of B',
A < B means 'A is the brother of B',
and A # B means 'A is mother of B'.

How is I related to X if 'I # J + O < P @ X'?

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

Q.54 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ A. FHK
 - ☒ B. CEG
 - ☒ C. NPS
 - ☒ D. QSV

Q.55 The position(s) of how many letters will remain unchanged if each letter in the word FIGHTER is arranged in the English alphabetical order?

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

Q.56 The position(s) of how many letters will remain unchanged if each letter in the word DOSAGE is arranged in the English alphabetical order?

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

Q.57 8 is related to 25 following a certain logic. Following the same logic, 16 is related to 49. To which of the given options is 30 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** ☐ A. 90
☒ B. 91
☐ C. 81
☐ D. 106

Q.58 H is the father of L. F is the wife of H. T is the mother of F. L is the brother of M. How is T related to M?

- Ans** ☐ A. Sister
☐ B. Wife's mother
☒ C. Mother's mother
☐ D. Brother's wife

Q.59 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NQS-PSU
KNP-MPR

- Ans** ☐ A. UXZ-VZA
☐ B. UWX-WZB
☒ C. UXZ-WZB
☐ D. UWX-VYA

Q.60 Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above T. Only three boxes are kept between Q and T. Only one box is kept between I and K. K is kept immediately above T. Only four boxes are kept between I and S. J is kept at some place above R. Which box is kept second below J?

- Ans** ☐ A. K
☒ B. T
☐ C. R
☐ D. I

Q.61 Each of G, H, I, B, C, D and E has exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
Only one person has exam between C and G. Only two people have exam before H. Only one person has exam after B. Only three people have exam between H and D. E has exam immediately before C.
How many people have exam between I and C?

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

- Q.62** Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north. Z sits to the immediate left of K. No one sits to the left of P. Only four people sit between P and I. Only three people sit to the right of J. Q is not an immediate neighbor of J.
Who sits at the rightmost end of the row?

Ans ☒ A. Q
☒ B. Z
☒ C. P
☒ D. I

- Q.63** A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five weights – W, X, Y, Z, and V – which is the heaviest?
(I) X is heavier than W and Y but lighter than Z.
(II) V is heavier than X but lighter than Z.

Ans ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
☒ B. Both statements I and II together are NOT sufficient to answer the question.
☒ C. Data in statement I alone is sufficient to answer the question while data in statement II is not.
☒ D. Data in statement II alone is sufficient to answer the question while data in statement I is not.

- Q.64** If 'P' stands for '-' and 'Q' stands for '×', what will come in place of the question mark (?) in the following equation?

$$25 \text{ Q } 3 \text{ P } 10 = ?$$

Ans ☒ A. 60
☒ B. 75
☒ C. 70
☒ D. 65

- Q.65** Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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.)

$$18 - 8 - 64 - 74;$$

$$19 - 9 - 81 - 91$$

Ans ☒ A. 20 - 10 - 100 - 120
☒ B. 17 - 7 - 49 - 39
☒ C. 16 - 6 - 36 - 46
☒ D. 12 - 2 - 4 - 2

Q.66 Refer to the given 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) £ 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. 2
 - ☒ B. 1
 - ☐ C. 0
 - ☐ D. 3

Q.67 What should come in place of the question mark (?) in the given series?
13 20 28 37 47 ?

- Ans
- ☐ A. 56
 - ☐ B. 59
 - ☐ C. 57
 - ☒ D. 58

Q.68 If 'F' stands for 'x', 'G' stands for '+', 'H' stands for '+', and 'I' stands for '-', what will come in place of the question mark '?' in the following equation?

8 F 2 G 4 H 5 I 3 = ?

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

Q.69 Six friends E, F, G, H, L and M are sitting in a straight line, facing north. Only E sits to the left of G. Only three people sit between E and L. Only H sits between G and F, and G is not an immediate neighbor of L. How many people sit between M and G?

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

Q.70 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) 2 8 1 3 4 5 7 1 6 3 4 8 5 1 2 7 9 7 2 9 6 3 1 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 odd digit?

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

Q.71 In a row of people all facing the north, Hira is 12th from the left end. Tisha is 22nd from the left end. Tisha is exactly between Hira and Kashish. If Kashish is 13th from the right end of the line, how many people are there in the row?

- Ans
- ☐ A. 42
 - ☐ B. 43
 - ☒ C. 44
 - ☐ D. 41

Q.72 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Avi, Bina, Cara, Dola and Emma are sitting around a circular table, facing the centre. Who sits to the immediate right of Emma?

(I) Avi sits to the immediate left of Cara. Dola sits third to the right of Cara.

(II) Bina sits second to the right of Cara. Dola is the immediate neighbour of Avi and Bina.

Ans ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

☒ B. Data in statements I and II together are NOT sufficient to answer the question.

☒ C. Data in statement I alone is sufficient to answer the question while data in statement II is not.

☒ D. Data in statement II alone is sufficient to answer the question while data in statement I is not.

Q.73 IOLK is related to WCZY in a certain way based on the English alphabetical order. In the same way, MSPO is related to AGDC. To which of the following options is CIFE related, following the same logic?

Ans ☒ A. QWTS

☒ B. QWER

☒ C. QWSA

☒ D. QYTR

Q.74 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Five bags – J, K, L, M, and N are of different weights. Among these, which one is the heaviest?

Statements:

(I) M is heavier than K and J but lighter than N.

(II) L is heavier than N. J is not the heaviest.

Ans ☒ A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

☒ B. Data in Statement I alone is sufficient to answer the question while data in statement II is not

☒ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not

☒ D. Both statements I and II together are NOT sufficient to answer the question

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 conclusion(s) logically follow(s) from the statements.

Statements: All trees are cranes. All cranes are babies.

Conclusions:

(I) Some babies are cranes.

(II) All trees are babies.

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.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. OW – XH
 - ☒ B. KS – TD
 - ☒ C. IQ – RB
 - ☒ D. RA – TY

Q.77 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JHL–HFJ
RPT–PNR

- Ans**
- ☒ A. YWA–WUY
 - ☒ B. VVY–WUY
 - ☒ C. VVY–VTX
 - ☒ D. YWA–VUX

Q.78 This question is based on the given words.

DOG ASK COD FIT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

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

Q.79 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '–', then what will come in place of question mark (?) in the following equation?

8 B 5 D 8 A 2 C 4 = ?

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

Q.80 This question is based on the given words.

LIP MAT CAN LAD

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

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

Q.81 The theme for National Voters' Day 2026 was "My India, My Vote" with which of the following taglines?

- Ans**
- ☐ A. Empowering Citizens for Electoral Integrity
 - ☐ B. Every Vote Builds the Nation's Future
 - ☒ C. Citizen at the Heart of Indian Democracy
 - ☐ D. Strengthening Democracy Through Participation

Q.82 The Quad foreign ministers' meeting was held in which of the following cities of India on May 26, 2026?

- Ans**
- ☐ A. Mumbai
 - ☐ B. Kolkata
 - ☒ C. New Delhi
 - ☐ D. Jaipur

Q.83 What was the theme of the National Voters' Day 2026 observed across India to encourage youth participation and strengthen democratic values?

- Ans**
- ☐ A. Power of Every Vote
 - ☐ B. One Nation, One Election
 - ☐ C. Democracy Through Participation
 - ☒ D. My India, My Vote

Q.84 On the occasion of which event did the Union Home Minister and Minister of Cooperation Amit Shah address the 'Janjati Sanskritik Samagam' organised in New Delhi as the Chief Guest in May 2026?

- Ans**
- ☒ A. 150th birth anniversary year of Bhagwan Birsa Munda
 - ☐ B. World Tribal Day celebrations
 - ☐ C. Azadi Ka Amrit Mahotsav celebrations
 - ☐ D. 75th anniversary of the Constitution of India

Q.85 Which of the following books, published in May 2026, provides a detailed account of Shivraj Singh Chouhan's 35-year association with Prime Minister Narendra Modi, highlighting organisational strategy and nation-building?

- Ans**
- ☐ A. Journey of Governance
 - ☐ B. Sankalp Se Siddhi
 - ☐ C. Leadership Unveiled
 - ☒ D. Apnapan

Q.86 According to the provisions highlighted in the 2026 Budget, which key feature was included in the Viksit Bharat Guarantee for Rozgar and Ajeevika Mission (Gramin) [VB-GRAM G] Act, 2025, for rural households?

- Ans**
- ☒ A. Statutory enhancement of guaranteed wage employment from 100 days to 125 days per financial year
 - ☐ B. Provision of interest-free agricultural loans to all rural households
 - ☐ C. Mandatory crop insurance coverage for every rural household
 - ☐ D. Universal pension coverage for all rural workers above 60 years of age

Q.87 Which institution had developed the nano-enabled innovation for rapid removal of toxic plastic pollutants from water, an initiative aligned with Namami Gange, Swachh Bharat, Jal Jeevan Mission, and the UN Sustainable Development Goals in January 2026?

- Ans**
- ☐ A. Indian Institute of Science Bengaluru
 - ☐ B. National Environmental Engineering Research Institute
 - ☐ C. Indian Institute of Technology Delhi
 - ☒ D. Indian Institute of Technology Roorkee

Q.88 Which mission, notified by the Government of India on 11 May 2026, aimed to strengthen rural employment and livelihood opportunities while replacing the Mahatma Gandhi National Rural Employment Guarantee programme?

- Ans** ☒ A. Viksit Bharat – Guarantee for Rozgar and Ajeevika Mission (Gramin)
☐ B. Pradhan Mantri Gramin Rozgar Abhiyan
☐ C. National Rural Livelihood and Employment Mission
☐ D. Gramin Kaushal Evam Rozgar Yojana

Q.89 Where was the Thirty-Seventh Meeting of the Parties to the Montreal Protocol (MOP37) held in November 2025?

- Ans** ☐ A. Bangkok, Thailand
☒ B. Nairobi, Kenya
☐ C. Vienna, Austria
☐ D. Geneva, Switzerland

Q.90 In the Bihar state election 2025, which party won the largest seats?

- Ans** ☐ A. Rashtriya Janata Dal - RJD
☐ B. Indian National Congress - INC
☒ C. Bharatiya Janata Party - BJP
☐ D. Janata Dal (United) - JD(U)

Q.91 Who recorded a new World Record in the 50m Rifle 3 Positions event in February 2026?

- Ans** ☒ A. Aishwary Pratap Singh Tomar
☐ B. Gagan Narang
☐ C. Niraj Kumar
☐ D. Abhinav Bindra

Q.92 What was the venue of the final match of the 2026 ICC Men's T20 World Cup, where India defeated New Zealand to win the title?

- Ans** ☐ A. Eden Gardens, Kolkata
☐ B. Wankhede Stadium, Mumbai
☒ C. Narendra Modi Stadium, Ahmedabad
☐ D. M. Chinnaswamy Stadium, Bengaluru

Q.93 In January 2026, DRDO successfully tested its full-scale scramjet engine at the Scramjet Connect Pipe Test (SCPT) facility in Hyderabad. What was the key result of this test?

- Ans** ☐ A. Short supersonic flight using regular engines
☐ B. Development of a new guided missile system
☒ C. Long hypersonic engine run for over twelve minutes
☐ D. Launch of a ready-to-use hypersonic missile

Q.94 Which country officially adopted the euro as its national currency on 1 January 2026, becoming the 21st member of the Eurozone?

- Ans** ☐ A. Croatia
☒ B. Bulgaria
☐ C. Romania
☐ D. Hungary

Q.95 What decision did the RBI take in its Monetary Policy Report released in October 2025?

- Ans**
- ☐ A. Repo rate cut; accommodative stance
 - ☐ B. Repo rate hike; tightening stance
 - ☒ C. Repo rate unchanged at 5.50%; neutral stance
 - ☐ D. Repo rate unchanged at 6.00%; dovish stance

Q.96 What was the name of the programme dedicated to the nation by Dr. Jitendra Singh in May 2026 to promote early intervention and affordable healthcare for rare genetic disorders and genome-based precision medicine?

- Ans**
- ☐ A. AYUSH
 - ☐ B. UMANG
 - ☒ C. UMMID
 - ☐ D. SAKSHAM

Q.97 The Federation Cup 2026 saw a major upset in the Men's Shot Put. Which athlete defeated the two-time Asian Games champion to secure a Commonwealth Games berth?

- Ans**
- ☐ A. Tajinderpal Singh Toor
 - ☐ B. Karanveer Singh
 - ☒ C. Samardeep Singh Gill
 - ☐ D. Praveen Chithravel

Q.98 Which team was defeated by India in the final of the 2026 ICC Under-19 Men's Cricket World Cup to secure a record sixth title?

- Ans**
- ☐ A. Australia
 - ☒ B. England
 - ☐ C. New Zealand
 - ☐ D. South Africa

Q.99 Who took oath as the Chief Minister of Kerala after the 2026 Kerala Legislative Assembly elections?

- Ans**
- ☐ A. Shashi Tharoor
 - ☒ B. V. D. Satheesan
 - ☐ C. Pinarayi Vijayan
 - ☐ D. K. Sudhakaran

Q.100 Rob Jetten, who was sworn in as Prime Minister in February 2026, became the youngest and first openly gay person to hold the office in which European country?

- Ans**
- ☐ A. Denmark
 - ☒ B. The Netherlands
 - ☐ C. Belgium
 - ☐ D. Sweden



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
 सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	25/08/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I 2025

Section : **General Science**

Q.1 Which of the following elements has molecules with the highest number of atoms?

- Ans**
- ☒ A. Oxygen
 - ☒ B. Sulphur
 - ☒ C. Chlorine
 - ☒ D. Nitrogen

Q.2 Transport of water in plants occurs through _____.

- Ans**
- ☒ A. Cambium
 - ☒ B. Phloem
 - ☒ C. Vacuole
 - ☒ D. Xylem

Q.3 Why does diamond not conduct electricity while graphite does?

- Ans**
- ☒ A. Fullerenes have mobile electrons in cages
 - ☒ B. Amorphous carbon contains delocalized electrons
 - ☒ C. All electrons in diamond are involved in bonding
 - ☒ D. Diamond has layers that slide and conduct

Q.4 Which of the following processes in plants are responsible for fulfilling the energy and carbon requirements?

- Ans**
- ☒ A. Photosynthesis
 - ☒ B. Transpiration
 - ☒ C. Respiration
 - ☒ D. Translocation

Q.5 A salt solution has a pH of 9. Which type of salt is it most likely to be?

- Ans**
- ☒ A. Formed from a strong acid and strong base
 - ☒ B. Formed from a strong acid and weak base
 - ☒ C. Formed from a weak acid and weak base
 - ☒ D. Formed from a strong base and weak acid

Q.6 An ecologist analyzes wind patterns and concludes they originate from the equator toward the poles. The underlying principle for this observation is:

- Ans**
- ☒ A. Earth's magnetic field directs winds from equator to poles
 - ☒ B. Tidal forces move atmospheric currents globally
 - ☒ C. Ocean salinity differences push air masses north and south
 - ☒ D. Temperature gradients caused by uneven solar heating drive winds

Q.7 A long-term smoker develops a chronic cough and frequent respiratory infections. Which physiological change in the respiratory tract primarily contributes to this increased susceptibility?

- Ans**
- ☐ A. Thickening of bronchial walls
 - ☐ B. Narrowing of bronchi
 - ☒ C. Destruction of cilia in the upper respiratory tract
 - ☐ D. Increased mucus production

Q.8 Which of the following is a characteristic of a true solution?

- Ans**
- ☐ A. The solute particles are easily separated by filtration.
 - ☐ B. The solute particles settle rapidly at the bottom.
 - ☒ C. The solute particles are evenly distributed in the solution.
 - ☐ D. The solute particles can be seen with the naked eye.

Q.9 What does Dalton's atomic theory suggest about atoms of different elements?

- Ans**
- ☐ A. They are the same in every aspect.
 - ☐ B. They have different sizes but identical masses.
 - ☒ C. They have different masses and properties.
 - ☐ D. They have identical masses but different shapes.

Q.10 A physical geographer compares two coastal cities: one at the equator and one near the poles. Both receive the same duration of sunlight in a day. The reason the equatorial city remains warmer is:

- Ans**
- ☐ A. Both cities have similar temperatures due to equal sunlight duration
 - ☐ B. Surface reflection is higher at the equator, keeping it warmer
 - ☒ C. Sunlight at the equator is more direct, concentrating energy
 - ☐ D. The polar city absorbs less sunlight due to water proximity

Q.11 Which of the following examples best illustrates a high pitch sound in everyday life?

- Ans**
- ☒ A. A child blowing a whistle
 - ☐ B. The ticking of a large wall clock
 - ☐ C. The hum of a refrigerator
 - ☐ D. The beat of a large drum

Q.12 A scientist wants to demonstrate why the sky appears blue during the day and reddish at sunset using a glass tank of water, a flashlight, and a small amount of milk. Which setup best demonstrates light scattering similar to that observed in the atmosphere?

- Ans**
- ☐ A. Shining the flashlight from above onto clear water and observing the illuminated region.
 - ☒ B. Mixing a small amount of milk into the water and shining the flashlight through the tank from the side to observe scattered light.
 - ☐ C. Adding a large amount of milk to the water and shining the flashlight through the mixture from above.
 - ☐ D. Shining the flashlight through clear water and observing the transmitted light from the opposite side.

Q.13 A horse pulls a cart with a force of 500 N. The force experienced by the horse due to the cart is:

- Ans**
- ☐ A. 0 N
 - ☒ B. 500 N equal and opposite to the motion
 - ☐ C. 1000 N
 - ☐ D. 250 N

Q.14 If the frequency of a sound wave increases while its speed in air remains constant, what happens to its wavelength?

- Ans**
- ☒ A. Its wavelength decreases
 - ☐ B. Its wavelength fluctuates randomly
 - ☐ C. Its wavelength remains unchanged
 - ☐ D. Its wavelength increases

Q.15 Which of the following is correct about growth pattern in plants and animal cells?

- Ans**
- ☐ A. Both follow same growth pattern.
 - ☐ B. Plant cell growth is more uniform in comparison to animal cells.
 - ☒ C. Plants have a specific growth region containing dividing tissues.
 - ☐ D. Animal cells growth is due to meristematic tissues.

Q.16 A force of 20 N acts opposite to the displacement of 5 m. What is the work done by the force?

- Ans**
- ☐ A. 0 J
 - ☒ B. -100 J
 - ☐ C. +25 J
 - ☐ D. +100 J

Q.17 Which of the following practices can reduce the volume of non-biodegradable waste?

- Ans**
- ☐ A. Dump all waste in water bodies
 - ☐ B. Use disposable plates and cups
 - ☒ C. Use reusable and recyclable products
 - ☐ D. Mix non-biodegradable waste with soil

Q.18 A rectangular coil is placed in a uniform magnetic field. If the direction of the current is reversed, what is the effect on the force acting on each segment of the coil?

- Ans**
- ☐ A. The force acts perpendicular to the plane of the coil
 - ☒ B. The direction of the force on each segment reverses
 - ☐ C. The magnitude of the force becomes zero
 - ☐ D. The magnitude of the force doubles

Q.19 Consider the following statements about non-metals and select the correct option.

Statement I: A solid substance that is dull, brittle, and does not conduct electricity in the solid state is most likely a non-metal.

Statement II: All non-metals are dull, brittle solids and do not conduct electricity in the solid state.

- Ans**
- ☒ A. Statement I is correct, but Statement II is incorrect
 - ☐ B. Both statements are incorrect
 - ☐ C. Statement I is incorrect, but Statement II is correct
 - ☐ D. Both statements are correct

Q.20 Which condition is most necessary for petroleum formation from dead marine organisms?

- Ans**
- ☒ A. High pressure and absence of air for long periods
 - ☐ B. Low temperature and presence of open air
 - ☐ C. Exposure to sunlight and fresh oxygen
 - ☐ D. Direct contact with surface water and wind

Q.21 Which of the given statements about nervous tissue are correct?

- (i) Nervous tissues are made up of neurons.
- (ii) Neurons have one axon and many dendrites.
- (iii) Nerve impulses are signals that pass through a nerve fibre.

- Ans**
- ☐ A. (ii) and (iii) only
 - ☐ B. (i) and (ii) only
 - ☒ C. (i), (ii) & (iii)
 - ☐ D. (i) and (iii) only

Q.22 A bullet and a ball have the same kinetic energy, but the bullet has much less mass than the ball. Which statement about their speeds is correct?

- Ans**
- ☐ A. Both bullet and ball stay at rest
 - ☐ B. Both move at the same speed
 - ☐ C. The ball moves much faster than the bullet
 - ☒ D. The bullet moves much faster than the ball

Q.23 Why does a gun recoil backward when it is fired?

- Ans**
- ☒ A. The bullet pushes forward, and the gun experiences an equal and opposite backward force
 - ☐ B. The trigger causes the gun to move backward
 - ☐ C. The air resistance pushes the gun backward
 - ☐ D. The gun is heavy and naturally moves backward

Q.24 Which substance would best help neutralize the burning sensation caused by a bee sting containing methanoic acid?

- Ans**
- ☐ A. Tamarind solution
 - ☐ B. Mild vinegar solution
 - ☒ C. Mild baking soda solution
 - ☐ D. Lemon juice

Q.25 What role does the chemical energy in a cell play in an electric circuit?

- Ans**
- ☐ A. It measures the flow of current
 - ☒ B. It creates and maintains the potential difference
 - ☐ C. It changes the resistance of the circuit
 - ☐ D. It directly moves electrons along the wire

Section : Mathematics

Q.26 Two pipes, A and B, can fill a tank in 8 hours and 14 hours, respectively. A third pipe C, can empty the completely filled tank in 12 hours. If all three pipes are opened together in an empty tank, then how long (in hours) will it take to fill the tank?

- Ans**
- ☐ A. $9\frac{1}{19}$
 - ☒ B. $8\frac{16}{19}$
 - ☐ C. $8\frac{9}{19}$
 - ☐ D. $8\frac{11}{19}$

Q.27 Find the value of $\sqrt{\frac{\cot \theta + \cos \theta}{\cot \theta - \cos \theta}}$.

- Ans ☒ A. $\sec \theta - \tan \theta$
☒ B. $\sec \theta + \tan \theta$
☒ C. $\sec \theta \tan \theta$
☒ D. $\tan \theta - \sec \theta$

Q.28 The mean of a data is 74 and its median is 88. The mode (using empirical relation) of the data is:

- Ans ☒ A. 91
☒ B. 116
☒ C. 150
☒ D. 34

Q.29 In an isosceles triangle $\triangle ABC$, $AB = AC$. Each of the equal angles is 5° . Find the value of $(3\angle A - \angle B)$.

- Ans ☒ A. 148°
☒ B. 120°
☒ C. 75°
☒ D. 90°

Q.30 Three numbers are in the ratio 3 : 14 : 13, and their LCM is 5460. Their HCF is:

- Ans ☒ A. 36
☒ B. 59
☒ C. 5
☒ D. 10

Q.31 In an election contested by two candidates, 25% of the registered voters did not cast their votes, and 795 of the votes cast were declared invalid. The winning candidate secured 70% of the valid votes and defeated the other candidate by a margin of 3,600 votes. Find the total number of voters on the electoral roll.

- Ans ☒ A. 13,456
☒ B. 12,090
☒ C. 13,060
☒ D. 12,680

Q.32 If $y = 25$, then find the value of $y^{\frac{3}{2}} + (40\% \text{ of } y) - 27^{\frac{2}{3}}$.

- Ans ☒ A. 123
☒ B. 126
☒ C. 124
☒ D. 121

Q.33 A vendor buys 39 laptop bags for ₹33,033 and sells them at 32 for ₹27,552. How many laptop bags should be bought and sold, at this rate, to earn a total profit of ₹7,154?

- Ans ☒ A. 529
☒ B. 491
☒ C. 501
☒ D. 511

Q.34 Evaluate: $\frac{1}{\sec \theta - \tan \theta}$

- Ans ☒ A. $(\sec \theta + \tan \theta)$
☐ B. $(\sec \theta - 2 \tan \theta)$
☐ C. $(2 \sec \theta + 3 \tan \theta)$
☐ D. $(\sec \theta - \tan \theta)$

Q.35 A shopkeeper gains 25% by selling an item at a 37.5% discount on its marked price. If the cost price increases by 20% and the shopkeeper wishes to maintain the same profit percentage, what discount should he offer?

- Ans ☒ A. 25%
☐ B. 22%
☐ C. 24%
☐ D. 23%

Q.36 If 4, 8, x and 12 are in proportion, then what is the mean proportion between $(x + 3)$ and $(x + 30)$?

- Ans ☐ A. 14
☒ B. 18
☐ C. 15
☐ D. 16

Q.37 Keshav's monthly salary is ₹15,000. He spends ₹5,500 on house rent and ₹2,500 on utility bills and saves the remaining amount each month. If, during his birthday month, he spends his entire monthly savings on his birthday celebration, find his total savings (in ₹) for the year.

- Ans ☐ A. 70,000
☒ B. 77,000
☐ C. 63,000
☐ D. 84,000

Q.38 A bus leaves Delhi for Jaipur traveling at 60 km/h. Two hours later, a car starts from Delhi towards Jaipur at 90 km/h on the same route. How long will it take the car to overtake the bus, and what distance from Delhi will the car meet the bus?

- Ans ☐ A. 4 hours, and 306 km
☐ B. 3 hours, and 360 km
☒ C. 4 hours, and 360 km
☐ D. 4 hours, and 330 km

Q.39 If the volume of a solid sphere is increased by 119.7%, find the percentage increase in its surface area.

- Ans ☐ A. 76%
☐ B. 81%
☒ C. 69%
☐ D. 56%

Q.40 In what ratio must rice costing ₹142 per kg be mixed with wheat costing ₹154 per kg to get a mixture worth ₹146 per kg?

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

Q.41 Two banks, A and B, offered loans at 3.5% and 8.5% per annum, respectively. Ashish borrowed an amount of ₹4,60,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Ashish after 2 years.

- Ans** ☒ A. 47,000
☒ B. 46,000
☒ C. 45,500
☒ D. 47,500

Q.42 If twice the mother's present age is 30 years less than six times her daughter's present age, and five times the daughter's present age is 55 years more than the mother's present age, then what is the difference (in years) between the present ages of the mother and the daughter?

- Ans** ☒ A. 25
☒ B. 20
☒ C. 30
☒ D. 27

Q.43 The salary of Margaret is increased by 12%. If her new salary becomes ₹22,400, find the original salary of Margaret.

- Ans** ☒ A. ₹21,500
☒ B. ₹20,000
☒ C. ₹19,800
☒ D. ₹19,500

Q.44 The simple interest earned on three different sums is in the ratio 5 : 7 : 9. The sums are in the ratio 10 : 14 : 15, and the time periods are in the ratio 3 : 4 : 5. What is the ratio of the rates of interest?

- Ans** ☒ A. 100 : 78 : 72
☒ B. 100 : 75 : 72
☒ C. 100 : 78 : 64
☒ D. 100 : 75 : 64

Q.45 Simplify:
 $(5^3)^2 \div 5^2$

- Ans** ☒ A. 225
☒ B. 525
☒ C. 625
☒ D. 125

Q.46 The height and the slant height of a cone are 10 cm and 32 cm respectively. What is the volume of the cone? $\left(\text{Use } \pi = \frac{22}{7}\right)$

- Ans** ☒ A. 9684 cm³
☒ B. 9689 cm³
☒ C. 9680 cm³
☒ D. 9679 cm³

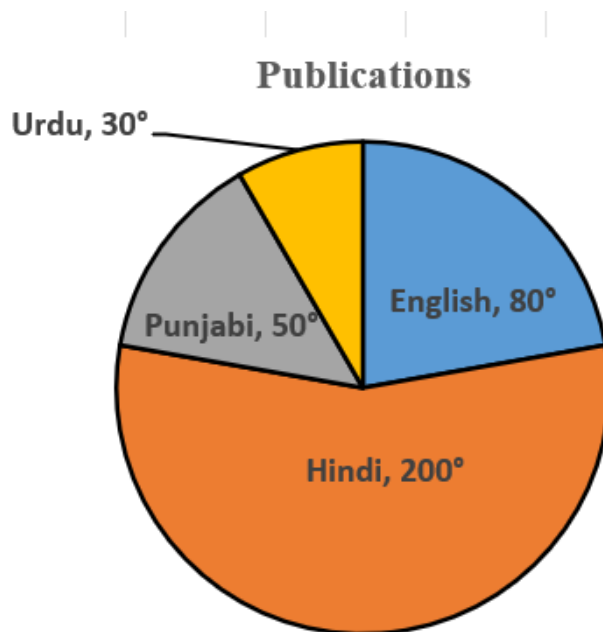
Q.47 The difference between the compound interest (compounded annually) and the simple interest if ₹21400 is deposited at 5% rate of interest per annum for 2 years is:

- Ans** ☒ A. ₹53.50
☒ B. ₹56.50
☒ C. ₹56.40
☒ D. ₹46.60

Q.48 During the first half of 2024, Sulekha consumed 2.2 kg of sugar on average each month (January to June). Over the course of 2024, she consumed 2.5 kg of sugar on average each month. Between July and December of 2024, her average sugar intake was:

- Ans**
- ☐ A. 2.5 kg
 - ☐ B. 2.7 kg
 - ☒ C. 2.8 kg
 - ☐ D. 2.2 kg

Q.49 The given pie chart shows the books published in English, Hindi, Punjabi and Urdu languages by a publishing house. In 2020, the publishing house published a total of 72 books in these languages. Books published in English, Punjabi and Urdu taken together is what percentage of books published in Hindi?



- Ans**
- ☐ A. 125%
 - ☐ B. 100%
 - ☒ C. 80%
 - ☐ D. 95%

Q.50 Anusha covers a certain distance between her home and college by car. At a speed of 35 km/hr, she is late by 20 minutes. However, at a speed of 45 km/hr, she reaches her college 10 minutes early. Find the distance between her home and college.

- Ans**
- ☐ A. 72.25 km
 - ☐ B. 76.65 km
 - ☐ C. 74.5 km
 - ☒ D. 78.75 km

Section : General Intelligence and Reasoning

Q.51 In a certain code language,
A # B means 'A is mother of B',
A + B means 'A is the father of B',
A @ B means 'A is the wife of B',
and A < B means 'A is the brother of B'.

How is E related to P if 'E + F < K # L @ P'?

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

Q.52 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among 5 trees, L, M, O, P and Q each having a different height, which tree is the shortest?
(I) P is taller than only two trees. O is shorter than P and Q is shorter than O
(II) L is taller than M

- Ans**
- ☐ A. Both statements I and II together are NOT sufficient to answer the question
 - ☐ B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
 - ☐ C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
 - ☒ D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q.53 Raj ranked 25th from the top and 16th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ A. 41
 - ☐ B. 42
 - ☒ C. 40
 - ☐ D. 39

Q.54 Eight friends Varsha, Anil, Neetu, Pawan, Rajesh, Mahima, Sunil and Om are sitting around a circular table, facing the centre. Neetu sits third to the right of Om. Varsha sits to the immediate left of Neetu. Rajesh sits second to the right of Varsha. Sunil is an immediate neighbour of Rajesh and Anil. Pawan is not an immediate neighbour of Varsha. How many people sit between Pawan and Varsha when counted from the left of Pawan?

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

Q.55 Refer to the following letter series and answer the question that follows. Counting to be done from left to right.

(Left) G Y I E N S I E G Z B I X V Y A U S Y U U T (Right)

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

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

Q.56 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between B and A, when counted from the right of B. Only three people sit between D and C, when counted from the right of C. A sits to the immediate right of C. E sits to the immediate right of F. How many people sit between A and D, when counted from the right of A?

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

Q.57 If the word "DISPLAY" is altered by replacing each vowel with the next letter and each consonant with the previous letter in the English alphabetical order, which letter comes first alphabetically in the new sequence formed?

- Ans**
- ☒ A. X
 - ☒ B. J
 - ☒ C. K
 - ☒ D. B

Q.58 Which of the following options should come in place of the question mark (?) in the given series?

7 10 18 33 57 ?

- Ans**
- ☒ A. 92
 - ☒ B. 95
 - ☒ C. 93
 - ☒ D. 90

Q.59 38 is related to 17 following a certain logic. Following the same logic, 52 is related to 24. To which of the following is 26 related, following the same logic?

(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.)

- Ans**
- ☒ A. 8
 - ☒ B. 7
 - ☒ C. 15
 - ☒ D. 11

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

$$91 - 2 \div 180 \times 18 + 12 = ?$$

- Ans**
- ☒ A. 184
 - ☒ B. 180
 - ☒ C. 189
 - ☒ D. 176

Q.61 In a certain code language, 'FAST' is coded as '1457' and 'FEAT' is coded as '5874'. What is the code for 'E' in the given code language?

- Ans**
- ☒ A. 1
 - ☒ B. 4
 - ☒ C. 5
 - ☒ D. 8

Q.62 Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.
Q has an exam on Saturday. Only 4 people have an exam between V and P, neither of whom has an exam on Monday. U has an exam immediately after T and R has an exam immediately before T. P has an exam after U.
Who has an exam on Monday?

- Ans**
- ☐ A. T
 - ☐ B. P
 - ☐ C. U
 - ☒ D. S

Q.63 In a certain code language, 'AUTO' is coded as '5271' and 'TOAN' is coded as '4517'. What is the code for 'N' in the given code language?

- Ans**
- ☐ A. 7
 - ☐ B. 5
 - ☐ C. 2
 - ☒ D. 4

Q.64 If 1 is subtracted from each odd digit and 2 is subtracted from each even digit in the number 537648547697, 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.65 Refer to the following series and answer the question. Counting to be done from left to right only. (Note: All numbers are single digit numbers only)
(Left) 7 2 9 9 9 9 9 6 1 7 9 8 6 6 3 3 5 8 2 8 5 1 9 7 9 2 4 7 2 3 (Right)
How many such even digits are there each of the 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. Three
 - ☐ C. Two
 - ☐ D. Four

Q.66 Refer to the following series and answer the question that follows. Counting to be done from left to right. (Note: All numbers are single-digit numbers only.)

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

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

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

Q.67 RVUX is related to BFEH in a certain way based on the English alphabetical order. In the same way, WAZC is related to GKJM. To which of the following is FJIL related, following the same logic?

- Ans**
- ☐ A. PSRV
 - ☒ B. PTSV
 - ☐ C. PTRV
 - ☐ D. PURX

Q.68 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE - A two/three-digit number cannot be broken into individual digits for operations; e.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

19 - 53 - 97 - 121;

27 - 61 - 105 - 129

Ans ✓ A. 35 - 69 - 113 - 137

✗ B. 49 - 83 - 117 - 151

✗ C. 67 - 121 - 155 - 179

✗ D. 58 - 92 - 116 - 130

Q.69 Each letter in the word FRIEND is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which letter is second from the left in the new group of letters thus formed?

Ans ✓ A. D

✗ B. E

✗ C. C

✗ D. H

Q.70 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$36 \div 6 - 3 \times 5 + 7 = ?$$

Ans ✗ A. 46

✗ B. 58

✓ C. 69

✗ D. 84

Q.71 What should come in place of ? in the given series based on the English alphabetical order?

LHCB, JGFF, ?, FELN, DDOR

Ans ✗ A. HIFJ

✓ B. HFJ

✗ C. HEIJ

✗ D. HFJI

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.

HLL : JHK

MKI : OGH

Ans ✗ A. JLT : LHR

✗ B. CXL : ESK

✓ C. GPR : ILQ

✗ D. GRQ : INO

- Q.73** 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 rugs are perfumes. All boots are perfumes.

Conclusion (I) : Some rugs are boots.

Conclusion (II) : Some perfumes are boots.

- 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.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 is the one that does not belong to that group?

- Ans** ☒ A. MPU
☒ B. DGJ
☒ C. HKN
☒ D. LOR

- 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 one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans** ☒ A. BG-IQ
☒ B. YD-GL
☒ C. JO-RW
☒ D. NS-VA

- Q.76** This question is based on the following words.

(LEFT) SET LAP MUD DIG (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

- Ans** ☒ A. 6
☒ B. 5
☒ C. 4
☒ D. 3

- Q.77** Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Q has an exam on Wednesday. Exactly 3 people have an exam between Q and U. V has an exam immediately after R and P has an exam immediately before R. Only 3 people have an exam between T and R.

How many people have an exam between Q and V?

- Ans** ☒ A. 1
☒ B. 2
☒ C. 4
☒ D. 3

Q.78 This question is based on the five, three-digit numbers given below.

(Left) 642, 953, 731, 284, 476 (Right).

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

What will be the result if the first digit of the highest number is subtracted from the third digit of the lowest number?

Ans ☒ A. 7

☒ B. -5

☒ C. -3

☒ D. 2

Q.79 REAG is related to FSOU in a certain way based on the English alphabetical order. In the same way, VIEK is related to JWSY. To which of the following options is LYUA related, following the same logic?

Ans ☒ A. ZOMI

☒ B. ZMIO

☒ C. ZMKI

☒ D. ZIMO

Q.80 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' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S + A % E @ R – N'?

Ans ☒ A. Brother's wife's brother

☒ B. Brother's wife's father

☒ C. Brother

☒ D. Father

Section : General Awareness and Current Affairs

Q.81 Which Indian airport is ranked the 5th-busiest airport in the Asia Pacific (Apac) region in 2025 as per Apac aviation rankings released in February 2026?

Ans ☒ A. Chennai airport

☒ B. Delhi airport

☒ C. Kolkata airport

☒ D. Mumbai airport

Q.82 In May 2026, the DRDO successfully completed the final development trials of the ULPGM-V3 missile in which two operational modes?

Ans ☒ A. Ground-to-ground and sea-to-air

☒ B. Air-to-sea and sea-to-surface

☒ C. Air-to-ground and air-to-air

☒ D. Surface-to-surface and surface-to-air

Q.83 Which Malayalam novelist won the Kendra Sahitya Akademi Award 2025 for his novel "Maayamanushyar"?

Ans ☒ A. N. Prabhakaran

☒ B. Benyamin

☒ C. K. R. Meera

☒ D. M. T. Vasudevan Nair

Q.84 Which country was announced as the host of the World Environment Day 2026 by the United Nations Environment Programme (UNEP)?

- Ans**
- ☒ A. Azerbaijan
 - ☐ B. Türkiye
 - ☐ C. Georgia
 - ☐ D. Kazakhstan

Q.85 The Kumbhalgarh Fort located in which state got recognized as the second largest continuous wall by UNESCO in May 2026?

- Ans**
- ☐ A. Himachal Pradesh
 - ☐ B. Maharashtra
 - ☐ C. Uttar Pradesh
 - ☒ D. Rajasthan

Q.86 What is the total corpus allocated for the newly proposed SME Growth Fund introduced in the Union Budget 2026–27 to support high-potential enterprises?

- Ans**
- ☐ A. ₹5,000 crore
 - ☐ B. ₹15,000 crore
 - ☐ C. ₹2,000 crore
 - ☒ D. ₹10,000 crore

Q.87 Which novel by Karan Mahajan, published in 2026, explores India's political transformations through a family saga?

- Ans**
- ☒ A. The Complex
 - ☐ B. Great Eastern Hotel
 - ☐ C. The Association of Small Bombs
 - ☐ D. Family Planning

Q.88 Which badminton player won the Women's Singles title at the Thailand Masters 2026 tournament conducted in Bangkok?

- Ans**
- ☐ A. Goh Jin Wei
 - ☐ B. Huang Yu-hsun
 - ☒ C. Devika Sihag
 - ☐ D. Supanida Katethong

Q.89 Brij Lal Bhat, who was conferred the Padma Shri in 2026 for his contributions to social work, is primarily associated with which region of India?

- Ans**
- ☐ A. Punjab
 - ☐ B. Himachal Pradesh
 - ☐ C. Gujarat
 - ☒ D. Jammu and Kashmir

Q.90 In April 2026, the Ministry of Minority Affairs signed a Memorandum of Understanding (MoU) with which institution under the PM VIKAS (Pradhan Mantri Virasat Ka Samvardhan) Scheme to enhance employability and facilitate placement opportunities for minority youth?

- Ans**
- ☐ A. Indian Institute of Technology (IIT), Guwahati
 - ☐ B. Indian Institute of Technology (IIT), Delhi
 - ☐ C. Indian Institute of Technology (IIT), Kanpur
 - ☒ D. Indian Institute of Technology (IIT), Patna

- Q.91** In December 2025, the Ministry of Panchayati Raj and the NDMA approved a National Project worth over ₹500 crore. What is the primary objective of this project?
- Ans** ☒ A. To build 10,000 new cyclone shelters in coastal areas
☒ B. To establish a national satellite system for weather forecasting
☒ C. To integrate Disaster Risk Reduction into local governance through Panchayati Raj Institutions
☒ D. To provide disaster insurance to all farmers
- Q.92** In June 2026, which Indian cricketer became the first player in the world to appear in 200 T20 Internationals?
- Ans** ☒ A. Harmanpreet Kaur
☒ B. Meg Lanning
☒ C. Ellyse Perry
☒ D. Smriti Mandhana
- Q.93** Who won the 2026 Mark Lynton History Prize for the book 'The Golden Road: How Ancient India Transformed the World'?
- Ans** ☒ A. Ramachandra Guha
☒ B. Sunil Khilnani
☒ C. William Dalrymple
☒ D. Romila Thapar
- Q.94** The North Tech Symposium 2026, organized under the theme "Raksha Triveni Sangam – Where Technology, Industry and Soldiering Converge," was held in which of the following cities?
- Ans** ☒ A. Prayagraj
☒ B. Jaipur
☒ C. Lucknow
☒ D. Pune
- Q.95** The Federation Cup, 2026, was hosted at the iconic Birsa Munda Stadium, located in which of the following cities?
- Ans** ☒ A. Bhubaneswar
☒ B. Raipur
☒ C. Patna
☒ D. Ranchi
- Q.96** In February 2026, a third batch of cheetahs was translocated to India from which country, and where were they released?
- Ans** ☒ A. Botswana; Kuno National Park
☒ B. South Africa; Nauradehi Tiger Reserve
☒ C. Namibia; Gandhi Sagar Sanctuary
☒ D. Kenya; Rani Durgavati Sanctuary
- Q.97** Under the Central Armed Police Forces (General Administration) Bill, 2026, all posts in which senior CAPF ranks are required to be filled by Indian Police Service (IPS) officers on deputation?
- Ans** ☒ A. Inspector General and Deputy Inspector General
☒ B. Director General and Special Director General
☒ C. Commandant and Deputy Commandant
☒ D. Additional Director General and Inspector General

Q.98 Who became India's 95th Chess Grandmaster after securing the third and final Grandmaster norm at the Bangkok Chess Club Open 2026?

- Ans**
- ☐ A. Nihal Sarin
 - ☐ B. Aditya Mittal
 - ☒ C. Aronyak Ghosh
 - ☐ D. Raunak Sadhwani

Q.99 Which political party emerged as the leading party in the Kerala Assembly Election 2026?

- Ans**
- ☐ A. Indian Union Muslim League
 - ☐ B. Bharatiya Janata Party
 - ☒ C. Indian National Congress
 - ☐ D. Communist Party of India (Marxist)

Q.100 In early 2026, the Joint Military Exercise 'Dharma Guardian' took place between the Indian Army and which organisation of Japan?

- Ans**
- ☒ A. Japan Ground Self-Defense Force
 - ☐ B. Japan Air Self-Defense Force
 - ☐ C. Japan Maritime Self-Defense Force
 - ☐ D. Japan Strategic Defense Force



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	TCS Gito Bitan
Test Date	25/08/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 Which of the following is an example of an artificial ecosystem?

- Ans
- ☒ A. Forest
 - ☒ B. Crop-field
 - ☐ C. Pond
 - ☐ D. Lake

Q.2 Which of the following statements is/are correct?

Statement I: Sodium atom loses one electron to form a sodium ion.
Statement II: Sodium ion has a negative charge.

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

Q.3 What do scientists examine to determine whether an organism is a eukaryote or prokaryote?

- Ans
- ☒ A. Cell structure and presence of nucleus
 - ☐ B. Method of reproduction and offspring
 - ☐ C. Ecological role within the environment
 - ☐ D. General feeding behavior and diet

Q.4 Which property of magnetic field lines explains the absence of magnetic monopoles in classical electromagnetism?

- Ans
- ☒ A. They form continuous closed curves
 - ☐ B. They never intersect
 - ☐ C. They are always circular
 - ☐ D. They are denser near poles

Q.5 A motor performs 1875 J of work in 3 seconds. What is its power output?

- Ans
- ☒ A. 625 W
 - ☐ B. 210 W
 - ☐ C. 5625 W
 - ☐ D. 2810 W

Q.6 Which of the following best describes systolic pressure?

- Ans**
- ☐ A. Blood pressure in veins during contraction
 - ☒ B. Blood pressure in artery during ventricular contraction
 - ☐ C. Blood pressure in artery during ventricular relaxation
 - ☐ D. Blood pressure in veins during relaxation

Q.7 How does the magnetic field produced by a current-carrying wire change with distance from the wire?

- Ans**
- ☐ A. It increases as distance increases
 - ☐ B. It fluctuates randomly with distance
 - ☒ C. It decreases as distance increases
 - ☐ D. It remains constant at all distances

Q.8 A horticulturist wants to breed aquatic plants that are better able to float. Which tissue modification should they focus on enhancing?

- Ans**
- ☒ A. Aerenchyma formation
 - ☐ B. Irregular thickening in collenchyma
 - ☐ C. Increasing chlorophyll in collenchyma
 - ☐ D. Reducing intercellular spaces in parenchyma

Q.9 Which scenario best illustrates complete combustion of methane in a domestic gas burner?

- Ans**
- ☒ A. A blue, non-luminous flame is observed with no residue left behind
 - ☐ B. A weak, flickering flame is present with white ash
 - ☐ C. A yellow flame with black residue forms on the vessel
 - ☐ D. An orange flame produces a strong gas odor in the kitchen

Q.10 Which statement CORRECTLY compares the protein content of lymph and blood plasma?

- Ans**
- ☒ A. Lymph contains less protein than plasma
 - ☐ B. Lymph contains equal protein to plasma
 - ☐ C. Lymph contains more protein than plasma
 - ☐ D. Lymph contains no protein

Q.11 A small candle is placed 18 cm from a concave mirror with a focal length of 6 cm. What will be the nature and position of the image formed?

- Ans**
- ☐ A. Real, 6 cm in front of the mirror
 - ☐ B. Virtual, 9 cm behind the mirror
 - ☒ C. Real, 9 cm in front of the mirror
 - ☐ D. Virtual, 12 cm behind the mirror

Q.12 A constant force is applied to a 5 kg object for 4 seconds, causing its velocity to increase from 2 m/s to 10 m/s. What is the magnitude of this force?

- Ans**
- ☐ A. 5 N
 - ☐ B. 20 N
 - ☒ C. 10 N
 - ☐ D. 2 N

Q.13 If the power of an engine is doubled while the time remains constant, the work done:

- Ans
- ☐ A. becomes half
 - ☐ B. remains the same
 - ☐ C. becomes four times
 - ☒ D. becomes double

Q.14 Which of the following situations best demonstrates that a vibrating object is necessary for the production of sound?

- Ans
- ☐ A. Looking at a glass bottle placed on a table without disturbing it
 - ☐ B. Shining a flashlight onto a wall in a dark room
 - ☒ C. Plucking a stretched guitar string and hearing a tone
 - ☐ D. Holding a metal rod steady and listening for a hum

Q.15 Which of the following is the correct symbol for the element Aluminium?

- Ans
- ☐ A. alm
 - ☐ B. Alm
 - ☒ C. Al
 - ☐ D. AL

Q.16 Why do coal and petroleum take millions of years to form in nature?

- Ans
- ☐ A. They form quickly through cooling of materials
 - ☐ B. They are produced by repeated flooding events
 - ☐ C. They result from rapid chemical reactions
 - ☒ D. Their formation involves slow chemical and physical changes

Q.17 Which of the following best defines an ecosystem?

- Ans
- ☒ A. A system formed by the interaction of biotic and abiotic components
 - ☐ B. A habitat containing animals only
 - ☐ C. A group of plants only
 - ☐ D. A community without physical factors

Q.18 A car driver notices that the road ahead appears to be wet during a hot sunny day, but upon reaching the spot, the road is dry. Which physical phenomenon best explains this observation?

- Ans
- ☐ A. Scattering of sunlight by dust particles
 - ☒ B. Refraction of light due to varying air temperatures above the road
 - ☐ C. Dispersion of sunlight by air molecules
 - ☐ D. Total internal reflection of light within water droplets

Q.19 What is the main reason silver articles turn black when exposed to air for a long period?

- Ans
- ☒ A. Formation of a silver sulphide coating
 - ☐ B. Accumulation of dust particles on the surface
 - ☐ C. Formation of silver oxide by reaction with oxygen
 - ☐ D. Formation of silver chloride by reaction with chlorine in the air

Q.20 Which of these statements best describes why non-metallic oxides react with bases?

- Ans
- ☐ A. They form acids and bases together
 - ☐ B. They behave as basic oxides and neutralize acids
 - ☐ C. They are always basic and do not react with bases
 - ☒ D. They behave as acidic oxides and neutralize bases

Q.21 Which substance is commonly used as a reducing agent to extract metals like zinc from their oxides?

- Ans**
- ☐ A. Oxygen
 - ☐ B. Nitrogen
 - ☐ C. Sulfur
 - ☒ D. Carbon

Q.22 Which of the following is NOT an example of a colloid?

- Ans**
- ☒ A. Sugar solution
 - ☐ B. Blood
 - ☐ C. Ice cream
 - ☐ D. Milk

Q.23 Which of the following explains why epithelial tissue cells are tightly packed with very little space between them?

- Ans**
- ☐ A. To enhance secretion functions of the tissue
 - ☐ B. To allow rapid cell division in the tissue
 - ☐ C. To increase the overall strength of the tissue
 - ☒ D. To form a continuous barrier and regulate permeability

Q.24 How does velocity differ from speed in the context of describing motion?

- Ans**
- ☐ A. Velocity is calculated using average speed, while speed uses instantaneous speed.
 - ☒ B. Velocity specifies both the magnitude (speed) and the definite direction of motion.
 - ☐ C. Velocity specifies distance covered, while speed specifies displacement.
 - ☐ D. Velocity applies only to non-uniform motion, while speed applies only to uniform motion.

Q.25 During a field study, students notice that air flows from the valley floor up to the slopes every noon. Which atmospheric condition causes this pattern?

- Ans**
- ☐ A. Sudden rainfall in the valley
 - ☒ B. Uneven heating of mountain slopes
 - ☐ C. Rotation of the Earth
 - ☐ D. Uniform heating of the valley floor

Section : Mathematics

Q.26 Two banks, A and B, offered loans at 3.5% and 8% per annum, respectively. Sachin borrowed an amount of ₹3,00,000 from each bank. Find the positive difference between the amounts (in ₹) of simple interest paid to the two banks by Sachin after 3 years.

- Ans**
- ☐ A. 40,000
 - ☒ B. 40,500
 - ☐ C. 42,000
 - ☐ D. 41,500

- Q.27** A shopkeeper offers the following schemes on toys of the same marked price.
 (A) Successive discounts of 3% and 7% on any number of toys bought.
 (B) Successive discounts of 8%, 39% and 26% on any number of toys bought.
 (C) 11% discount on the first 4 toys and 32% discount on each toy thereon.
 (D) 4 toys free of cost on buying 5 toys.

A customer wants to buy 5 toys. Which of the above schemes is the least beneficial to her?

- Ans** ☒ A. C
☒ B. A
☒ C. D
☒ D. B

- Q.28** In an office, there are 25 employees who travel to work every day. The time taken to commute to office is as follows.

Time taken (in minutes)	No. of employees
Less than 10	2
Less than 20	6
Less than 30	15
Less than 40	19
Less than 50	23
Less than 60	25

Calculate the mean time of commuting (in minutes).

- Ans** ☒ A. 21
☒ B. 15
☒ C. 29
☒ D. 32

- Q.29** The population of a district is 3,54,000, out of which 2,30,000 are males. 17% of the population is literate. If 17% males are literate, then what percentage of females are literate?

- Ans** ☒ A. 17%
☒ B. 20%
☒ C. 16%
☒ D. 15%

- Q.30** Ramesh takes 10 hours longer than Suresh to cover a distance of 120 km. However, if Ramesh were to double his speed, he would take 8 hours less than Suresh. What is Ramesh's original speed?

- Ans** ☒ A. $3\frac{1}{3}$ km/hr
☒ B. $4\frac{3}{4}$ km/hr
☒ C. $7\frac{5}{7}$ km/hr
☒ D. $5\frac{1}{5}$ km/hr

Q.31 If twice the mother's present age is 30 years less than six times her daughter's present age, and six times the daughter's present age is 75 years more than the mother's present age, then what is the difference (in years) between their present ages?

- Ans ☐ A. 19
☐ B. 22
☐ C. 20
☒ D. 25

Q.32 The 7-digit number 69A840B is divisible by 12, What is the maximum value of (A + B)?

- Ans ☐ A. 11
☐ B. 16
☐ C. 10
☒ D. 15

Q.33 The number 243 is divided into three parts such that half of the first part, one-third of the second part, and one-fourth of the third part are equal. Find the value of the largest part.

- Ans ☐ A. 98
☐ B. 88
☒ C. 108
☐ D. 112

Q.34 If $7\cos^2\theta + 5\sin^2\theta - 6 = 0$, ($0^\circ < \theta < 90^\circ$), then the value of $\sqrt{\frac{\sec\theta +}{\sec\theta -}}$

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

Q.35 Mohini is making a cylindrical kaleidoscope for her science project using chart paper. If the kaleidoscope is 178 cm long and has a radius of 24.5 cm, what is the area of chart paper required to make only its curved surface? (Use $\pi = \frac{22}{7}$)

- Ans ☐ A. 27433 cm^2
☒ B. 27412 cm^2
☐ C. 27445 cm^2
☐ D. 27380 cm^2

Q.36 The population of a town is increased from 60,000 to 61,260. What is the percentage increase?

- Ans ☒ A. 2.1%
☐ B. 2.3%
☐ C. 2.0%
☐ D. 2.2%

Q.37 Which of the following statements about a rhombus is incorrect?

- Ans**
- ☐ A. The opposite angles of a rhombus are equal.
 - ☒ B. The diagonals of a rhombus do not bisect the opposite angles.
 - ☐ C. The diagonals of a rhombus intersect at right angles
 - ☐ D. Each side of a rhombus is equal in length.

Q.38 A student wants to invest a sum of ₹16,000 at an annual interest rate of 3% per annum compounded half yearly. Calculate the compound interest received after 2 years.

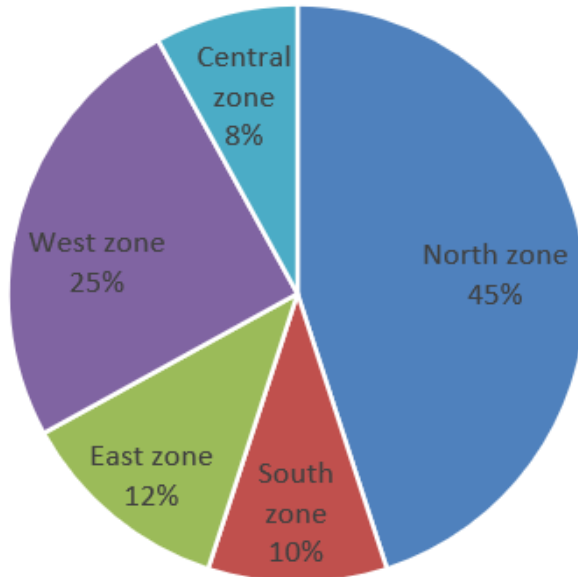
[Given $(1.015)^4 = 1.0614$]

- Ans**
- ☐ A. ₹880.20
 - ☐ B. ₹900.10
 - ☐ C. ₹782.40
 - ☒ D. ₹982.40

Q.39 A vendor buys 19 laptop bags for ₹43,149 and sells them at 17 for ₹38,658. How many laptop bags should be bought and sold, at this rate, to earn a total profit of ₹5,487?

- Ans**
- ☐ A. 1849
 - ☐ B. 1840
 - ☒ C. 1829
 - ☐ D. 1835

Q.40 The given pie chart represents the percentage of a particular company's mobile phone users in five different zones of India. Study the pie chart carefully and answer the question that follows.



What is the central angle made by the central zone in the pie chart?

- Ans**
- ☐ A. 27.4°
 - ☐ B. 30.6°
 - ☒ C. 28.8°
 - ☐ D. 26.2°

Q.41 A solid cylindrical rod of radius 3 cm and height 12 cm is melted and recast into solid spheres each of radius 3 cm. How many such spheres can be made?

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

Q.42 The number 13167 is divisible by which of the following numbers?

- Ans**
- ☐ A. 69
 - ☐ B. 67
 - ☐ C. 61
 - ☒ D. 63

Q.43 If 6 pencils cost ₹42, what will be the cost of 14 pencils?

- Ans**
- ☐ A. ₹84
 - ☒ B. ₹98
 - ☐ C. ₹100
 - ☐ D. ₹90

Q.44 Find the value of $\frac{1}{\sec x - \tan x}$.

- Ans**
- ☐ A. $\sec x - \tan x$
 - ☐ B. $\cos x - \cot x$
 - ☒ C. $\sec x + \tan x$
 - ☐ D. $\cos x + \cot x$

Q.45 Sakshi invested a sum of ₹8900 at 10% per annum compound interest, compounded annually. If she received an amount of ₹10,769 after n years, the value of n is:

- Ans**
- ☒ A. 2
 - ☐ B. 2.4
 - ☐ C. 1.5
 - ☐ D. 3

Q.46 The average weight of 3 women is increased by 4 kg, when one of them whose weight is 102 kg, is replaced by another woman. What is the weight of the new woman?

- Ans**
- ☐ A. 116 kg
 - ☐ B. 112 kg
 - ☐ C. 118 kg
 - ☒ D. 114 kg

Q.47 The shirt size worn by a group of 280 persons is as follows:

Shirt Size	37	38	39	40	41	42	43	44
No. of persons	31	35	49	51	50	37	15	12

The model shirt size worn by the group is:

- Ans ☒ A. 40
☒ B. 41
☒ C. 42
☒ D. 39

Q.48 Three workers are hired to complete a job worth ₹1,200. Worker A can finish the job alone in 8 days, Worker B in 12 days, and Worker C in 16 days. With the help of a fourth worker, they finish the job in 3 days. How much should the fourth worker be paid from the total amount?

- Ans ☒ A. ₹221
☒ B. ₹225
☒ C. ₹226
☒ D. ₹222

Q.49 Two trains, 200 m and 160 m long are running in opposite directions at speeds of 78 km/h and 66 km/h, respectively. In how much time will they completely cross each other from the moment they meet?

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

Q.50 The cost of 7 meters of cloth is ₹840. What will be the cost of 11 meters of the same cloth?

- Ans ☒ A. ₹1,320
☒ B. ₹1,260
☒ C. ₹1,120
☒ D. ₹1,200

Section : General Intelligence and Reasoning

Q.51 Refer to the following letter series and answer the question that follows. Counting to done from left to right only.

(Left) N V U H J K J I V A Y E D V B L U H W A I G (Right)

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

- Ans ☒ A. 6
☒ B. 4
☒ C. 7
☒ D. 5

Q.52 In a row, five friends P, Q, R, S and T are standing all facing north. R is at the extreme left end and is an immediate neighbour of P. Only S is between P and Q. Who is standing second to the left of T?

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

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 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. QL-HC
 - ☒ B. ZU-PN
 - ☒ C. HC-YT
 - ☒ D. WR-NI

Q.54 Each letter in the word CUDGELS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one which is second from the right in the new letter-cluster thus formed?

- Ans**
- ☒ A. Fourteen
 - ☒ B. Seventeen
 - ☒ C. Fifteen
 - ☒ D. Eighteen

Q.55 A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. C lives on floor numbered 4. Only two people live between C and V. Only B lives between C and A. W lives immediately below C. Who lives on floor numbered 2?

- Ans**
- ☒ A. B
 - ☒ B. W
 - ☒ C. U
 - ☒ D. A

Q.56 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number **4372651**, which of the following digits will be fourth from the left in the new number thus formed?

- Ans**
- ☒ A. 4
 - ☒ B. 6
 - ☒ C. 0
 - ☒ D. 2

Q.57 In a certain code language,
A + B means 'A is the husband of B'
A - B means 'A is the sister 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 F related to J if 'F ÷ G + H x I - J'?

- Ans**
- ☒ A. Mother's father
 - ☒ B. Brother
 - ☒ C. Father's brother
 - ☒ D. Sister's husband

Q.58 The position(s) of how many letters will remain unchanged if each letter in the word DANGERS is arranged in the English alphabetical order?

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

Q.59 ZWVY is related to CZYB in a certain way based on the English alphabetical order. In the same way, QNMP is related to TQPS. To which of the following is TQPS related, following the same logic?

- Ans**
- ☐ A. WTRV
 - ☐ B. WURZ
 - ☐ C. WSRV
 - ☒ D. WTSV

Q.60 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged, '×' and '÷' are interchanged and '2' and '4' are interchanged?
 $16 + 8 \times 4 \div 2 - 5 = ?$

- Ans**
- ☐ A. 28
 - ☐ B. 2
 - ☒ C. 5
 - ☐ D. 14

Q.61 In a certain code language, 'poem river judge' is coded as 'yq yf yn' and 'judge skin thing' is coded as 'yf ra xd'. How is 'judge' coded in the given language?

- Ans**
- ☐ A. yn
 - ☒ B. yf
 - ☐ C. ra
 - ☐ D. yq

Q.62 In a certain code language,
A < B means 'A is the brother of B',
A # B means 'A is mother of B',
A + B means 'A is the father of B',
and A @ B means 'A is the wife of B'.

How is P related to Y if 'P # Q < R @ X + Y'?

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

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. YCG
 - ☒ B. QUY
 - ☒ C. FKN
 - ☒ D. OSW

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

18 31 44 57 70 ?

- Ans**
- ☒ A. 85
 - ☒ B. 79
 - ☒ C. 88
 - ☒ D. 83

Q.65 Seven friends Q, R, S, T, U, V and W are sitting in a straight line, facing the north. V sits third to the left of T. U sits third to the right of S. Only one person sits to the right of T. R does not sit on any of the extreme ends. Q sits to the immediate left of S. 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. U and W
 - ☒ B. S and V
 - ☒ C. R and U
 - ☒ D. Q and S

Q.66 FJDG is related to KOIL in a certain way based on the English alphabetical order. In the same way, IMGJ is related to NRLO. To which of the following is LPJM related, following the same logic?

- Ans**
- ☒ A. QURO
 - ☒ B. UQRO
 - ☒ C. UQOR
 - ☒ D. QUOR

Q.67 12 is related to 143 following a certain logic. Following the same logic, 7 is related to 48. To which of the following is 9 related, following the same logic?

(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.)

- Ans**
- ☒ A. 72
 - ☒ B. 99
 - ☒ C. 80
 - ☒ D. 101

Q.68 A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. B lives on floor numbered 5. A lives on a floor above B. Only U lives below W. C lives on an even numbered floor. How many people live below V?

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

Q.69 Refer to the following letter, number, and symbol series and answer the question. (Counting to be done from left to right only) (All numbers are single-digit numbers only)
(Left) Y A 7 & % G D 4 @ & K 6 T E 5 # 3 2 * R Z (Right)
How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a number?

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

Q.70 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
GJM, ILO, KNQ, MPS, ?

- Ans**
- ☒ A. OUR
 - ☒ B. ROU
 - ☒ C. ORU
 - ☒ D. RUO

Q.71 This question is based on the five, three-digit numbers given below.
356 742 821 415 697
(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)
What will be the result if the second digit of the highest number is multiplied by the first digit of the lowest number?

- Ans**
- ☒ A. 16
 - ☒ B. 12
 - ☒ C. 14
 - ☒ D. 6

Q.72 10 is related to 98 following a certain logic. Following the same logic, 9 is related to 79. To which of the following is 13 related, following the same logic?
(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.)

- Ans**
- ☒ A. 167
 - ☒ B. 201
 - ☒ C. 172
 - ☒ D. 147

- Q.73** 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 slippers are chairs.

All chairs are mats.

Conclusion (I) : Some slippers are mats.

Conclusion (II) : All mats are chairs.

- 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.74** What will come in the place of '?' in the following equation, if '+' and '-' are interchanged, 'x' and '÷' are interchanged and '4' and '8' are interchanged? (Note: Consider the entire number while interchanging; do not interchange individual digits - part of larger numbers.)

$$24 \times 8 - 18 \div 4 + 5 = ?$$

- Ans**
- ☐ A. 148
 - ☐ B. 154
 - ☐ C. 143
 - ☒ D. 145

- 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: Some laptops are desktops. Some desktops are computers.

Conclusion (I) : All laptops are computers.

Conclusion (II) : No desktop is a laptop.

- 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.76** Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HOW :: DKS : %

- Ans**
- ☐ A. # = AHP , % = KRI
 - ☒ B. # = AHP , % = KRZ
 - ☐ C. # = HHP , % = KRZ
 - ☐ D. # = AHP , % = LRZ

Q.77 This question is based on the following words.

(LEFT) BOG FRY MAP OPT (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

Ans ✓ A. 23

✗ B. 20

✗ C. 25

✗ D. 27

Q.78 Fahad ranked 65th from the top and 34th from the bottom in his class. How many students are there in his class?

Ans ✗ A. 99

✗ B. 96

✓ C. 98

✗ D. 97

Q.79 Refer to the following letter, symbol series and answer the question.
Counting to be done from left to right only.

(Left) X & Y \$ Z Ω P # Q % R @ S £ * T U \$ V Ω W (Right)

How many such symbols are there each of which are immediately preceded by a letter and also immediately followed by a symbol?

Ans ✗ A. Three

✗ B. Two

✓ C. One

✗ D. None

Q.80 Kunal starts from Point A and drives 21 km towards South. He then takes a left turn, drives 22 km, turns left and drives 23 km. He then takes a left turn and drives 27 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. 2 km towards east

✗ B. 3 km towards east

✓ C. 5 km towards east

✗ D. 4 km towards east

Section : General Awareness and Current Affairs

Q.81 The Indian Microgravity Experiments-2026 (iMEx-2026) programme is a national initiative of which organisation?

Ans ✓ A. Indian Space Research Organisation (ISRO)

✗ B. Indian National Space Promotion and Authorization Centre (IN-SPACe)

✗ C. Defence Research and Development Organisation (DRDO)

✗ D. Department of Science and Technology (DST)

Q.82 Who among the following received the Padma Bhushan for contributions in the field of sports in January 2026?

Ans ✗ A. Ashok Khade

✗ B. Piyush Pandey

✗ C. Arvind Vaidya

✓ D. Vijay Amritraj

Q.83 Who among the following has been named the Laureus World Sportsperson of the Year with a Disability in 2026 for outstanding achievements in international para-swimming?

- Ans**
- ☐ A. Marcel Hug
 - ☐ B. Markus Rehm
 - ☐ C. Diede de Groot
 - ☒ D. Gabriel Araújo

Q.84 As announced in April 2026, the historic city of Dhar has been selected under the Centre's 'Safe Cities' project, an initiative aimed at strengthening women's safety infrastructure and urban security. In which of the following states of India, is Dhar located?

- Ans**
- ☒ A. Madhya Pradesh
 - ☐ B. Rajasthan
 - ☐ C. Chhattisgarh
 - ☐ D. Uttar Pradesh

Q.85 In March 2026, National Human Rights Commission (NHRC) held an Open House Discussion on children's access to social media. Which concern was specifically highlighted as a major social challenge?

- Ans**
- ☐ A. Exam pressure, tuition costs, textbook piracy, and coaching fraud
 - ☒ B. Cyberbullying, data privacy misuse, sexual abuse, and cyber fraud
 - ☐ C. Rural illiteracy, school absenteeism, malnutrition, and child labour
 - ☐ D. Urban migration, housing shortage, water scarcity, and air pollution

Q.86 In which Indian state was the inaugural multilateral military exercise 'Pragati' hosted by the Indian Army in 2026?

- Ans**
- ☐ A. Bihar
 - ☐ B. Rajasthan
 - ☐ C. Jammu & Kashmir
 - ☒ D. Meghalaya

Q.87 At the New Balance Indoor Grand Prix held in Boston in January 2026, which athlete broke the men's indoor 800 metres world record, ending a mark that had stood since 1997?

- Ans**
- ☐ A. Bryce Hoppel
 - ☐ B. Donavan Brazier
 - ☐ C. Elliott Crestan
 - ☒ D. Josh Hoey

Q.88 Which Malayalam cinema superstar received the Padma Bhushan in 2026?

- Ans**
- ☐ A. Fahadh Faasil for experimental and realistic cinematic performances
 - ☐ B. Prithviraj Sukumaran for directing and multilingual acting achievements
 - ☐ C. Dulquer Salmaan for promoting regional cinema across Indian audiences
 - ☒ D. Mammooty for contributions to Indian and Malayalam cinema

Q.89 In February 2026, the 79th BAFTA Awards honoured achievements mainly associated with which field?

- Ans**
- ☐ A. International sports events
 - ☐ B. International theatre festivals
 - ☒ C. International film productions
 - ☐ D. International music concerts

- Q.90** As of March 2026, India's position as the fourth-largest global wind energy producer contributes to which of the following national priorities under SDG frameworks?
- Ans** ☒ A. Transitioning to a low-carbon economy
☐ B. Enhancing agricultural exports
☐ C. Focusing on urban infrastructure development
☐ D. Promoting only rural electrification
- Q.91** Exercise Dweep Shakti 2026 was successfully conducted by which of the following military commands of India?
- Ans** ☐ A. Northern Command
☒ B. Andaman and Nicobar Command
☐ C. Strategic Forces Command
☐ D. Eastern Naval Command
- Q.92** In January 2026, who secured first rank in the merit list under the benchmark disabilities category in the Kerala Judicial Service Examination?
- Ans** ☐ A. Ananya R. Nair
☒ B. Thanya Nathan C.
☐ C. Sreelakshmi S.
☐ D. Meera K. Menon
- Q.93** What is the main goal of the newly launched Semiconductor Investors Support Portal in India in May 2026?
- Ans** ☐ A. To facilitate online shopping for consumers
☐ B. To promote social media content creation
☒ C. To support and encourage chip manufacturing investments
☐ D. To monitor internet usage across the country
- Q.94** In March 2026, Bank of Baroda operationalized a digital credit micro-lending facility by launching an Overdraft (OD) facility on Credit Line via UPI. Who are the primary beneficiaries targeted under this specific initiative?
- Ans** ☒ A. Verified members of Women Self-Help Groups (SHGs)
☐ B. Individual marginal farmers under the PM-KISAN scheme
☐ C. Retail merchants registered under MSME digital platforms
☐ D. Individual salaried employees holding corporate accounts
- Q.95** In March 2026, which organization released the second edition of the Fiscal Health Index (FHI) 2026 for assessing the fiscal performance of Indian states?
- Ans** ☐ A. Reserve Bank of India
☐ B. Finance Commission
☒ C. NITI Aayog
☐ D. National Statistical Office
- Q.96** Which two authors won the Sahitya Akademi Award 2025 for English and Hindi, respectively?
- Ans** ☐ A. Vikram Seth & Mridula Garg
☒ B. Navtej Sarna & Mamta Kalita
☐ C. Chetan Bhagat & Chitra Mudgal
☐ D. Amitav Ghosh & Uday Prakash

Q.97 In August 2025, severe rainfall and a reported cloudburst in which Maharashtra district resulted in fatalities and widespread flooding?

- Ans**
- ☐ A. Nagpur
 - ☐ B. Pune
 - ☒ C. Nanded
 - ☐ D. Nashik

Q.98 When is the National Technology Day celebrated every year in India to recognize the country's scientific and technological achievements?

- Ans**
- ☐ A. June 21
 - ☐ B. May 5
 - ☐ C. May 15
 - ☒ D. May 11

Q.99 In July 2026, the Union Cabinet approved the expanded Khelo India Scheme and enhanced Assistance to National Sports Federations (ANSFs) with an aim to:

- Ans**
- ☐ A. Promote sports tourism by developing world-class sports complexes in major metropolitan cities and provide subsidies for hosting international championships.
 - ☐ B. Establish a National Sports University and Accreditation units in every State and Union Territory.
 - ☐ C. Establish National Centres of Excellence for every Olympic discipline in each State and make sports education compulsory in all schools.
 - ☒ D. Reaffirm the Government's commitment to harness the power of sports for youth development and nation-building.

Q.100 The Paris Climate Agreement, from which the United States announced its withdrawal on 7 January 2026, was adopted under the framework of which international convention?

- Ans**
- ☒ A. United Nations Framework Convention on Climate Change
 - ☐ B. Vienna Convention for the Protection of the Ozone Layer
 - ☐ C. Convention on Biological Diversity
 - ☐ D. United Nations Convention to Combat Desertification



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



Test Center Name	ION Digital Zone iDZ Ibrahimpatnam
Test Date	25/08/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Level 01 Stage I 2025

Section : General Science

Q.1 An object moving with kinetic energy 800 J experiences a net work of -600 J. What happens to the object?

- Ans**
- ☒ A. It stops moving
 - ☒ B. It moves with half speed
 - ☒ C. It continues with same speed
 - ☒ D. It doubles its speed

Q.2 A student is experiencing difficulty seeing objects clearly both at a distance and up close. After an examination, it is found that the eye muscles are not able to adjust the focal length of the lens properly. Which part of the human eye is most likely responsible for this issue?

- Ans**
- ☒ A. Iris
 - ☒ B. Ciliary muscles
 - ☒ C. Retina
 - ☒ D. Cornea

Q.3 Which method is commonly used to extract sodium from its compound?

- Ans**
- ☒ A. Heating with carbon
 - ☒ B. Electrolytic reduction
 - ☒ C. Thermal decomposition
 - ☒ D. Distillation

Q.4 What happens to the magnitude of action and reaction forces in Newton's third law pairs?

- Ans**
- ☒ A. They are always equal in magnitude and opposite in direction
 - ☒ B. They depend on which object is heavier
 - ☒ C. They cancel each other completely
 - ☒ D. They combine to make a stronger force

Q.5 In a desert plant, carbon dioxide is taken in at night and stored as an intermediate, which is later used during the day for carbohydrate synthesis. What advantage does this adaptation provide to the plant in its environment?

- Ans**
- ☒ A. It increases the rate of photosynthesis during the day
 - ☒ B. It allows carbohydrate synthesis only at night
 - ☒ C. It eliminates the need for chlorophyll
 - ☒ D. It reduces water loss by stomatal opening to cooler night hours

Q.6 Which of the following is considered as a nonbiodegradable substance?

- Ans**
- ☐ A. Wooden plates
 - ☐ B. Banana leaves
 - ☒ C. Plastic bags
 - ☐ D. Cotton dresses

Q.7 If the direction of the magnetic field is north to south and the conductor moves upward, using Fleming's Right Hand Rule, what is the direction of the induced current?

- Ans**
- ☐ A. Towards the observer
 - ☐ B. Away from the observer
 - ☐ C. Towards West
 - ☒ D. Towards East

Q.8 A student observes a speed-time graph for a car that moves with constant speed for 10 seconds, then accelerates for 5 seconds. How can the student use the graph to calculate the total distance travelled during these 15 seconds?

- Ans**
- ☐ A. By multiplying the total time by the average speed shown on the graph
 - ☐ B. By using only the area under the acceleration section
 - ☒ C. By calculating the area under the speed-time graph for each section and adding them
 - ☐ D. By reading the final speed at 15 seconds and multiplying by 15

Q.9 Which of the following observations would violate the law of constant proportions?

- Ans**
- ☐ A. A sample of ammonia containing nitrogen and hydrogen in a 14:3 mass ratio.
 - ☐ B. A sample of water containing hydrogen and oxygen in a 1:8 mass ratio.
 - ☒ C. A sample of magnesium sulphide containing magnesium and sulphur in a 4:3 mass ratio.
 - ☐ D. A sample of sodium chloride with sodium and chlorine in a 23:35.5 mass ratio.

Q.10 A climate scientist puts sensors on the valley floor and on the slopes. During the day, the sensors on the slopes show higher temperatures and more wind blowing up from the valley. Which phenomenon does this indicate?

- Ans**
- ☐ A. Sea breeze from distant water bodies
 - ☒ B. Daytime valley breeze due to slope heating
 - ☐ C. Land breeze from nearby plains
 - ☐ D. Nighttime mountain breeze after cooling

Q.11 Which of the following statements best describes how ultrasound is utilized in medical imaging?

- Ans**
- ☐ A. Ultrasound waves pass through blood without interaction to form images.
 - ☐ B. Ultrasound waves ionize tissues to produce visible images.
 - ☒ C. Ultrasound waves reflect off tissues to create internal images.
 - ☐ D. Ultrasound waves are absorbed by bones to visualize soft tissue.

Q.12 Amoeba, yeast, and hydra can reproduce even when only one parent organism is present. Which conclusion does this suggest about asexual reproduction?

- Ans**
- ☐ A. It produces only multicellular organisms.
 - ☐ B. Two parents are always necessary.
 - ☒ C. It occurs without fusion of gametes.
 - ☐ D. It requires seeds for reproduction.

Q.13 Which of the following statements about the solubility of solids and gases in liquids is generally CORRECT?

- Ans
- ☐ A. Solubility of both solids and gases in liquids decreases with increase in temperature.
 - ☐ B. Solubility of solids in liquids decreases, while that of gases in liquids increases with an increase in temperature.
 - ☒ C. Solubility of solids in liquids increases, while that of gases in liquids decreases with an increase in temperature.
 - ☐ D. Solubility of both solids and gases in liquids increases with increase in temperature.

Q.14 A chemist keeps calcium carbonate, silver chloride, and lead nitrate exposed to sunlight. Which compound/s show/s a visible change?

- Ans
- ☐ A. Only calcium carbonate
 - ☐ B. All three compounds
 - ☐ C. Only lead nitrate
 - ☒ D. Only silver chloride

Q.15 A converging mirror has a radius of curvature of 30 cm. If an object is placed on the principal axis at 60 cm from the pole, what is the nature of the image formed?

- Ans
- ☐ A. The image is at the same position as the object
 - ☐ B. The image is virtual and upright on the same side as the object
 - ☐ C. The image is real and upright on the opposite side
 - ☒ D. The image is real and inverted on the same side as the object

Q.16 Which of the following statements is/are CORRECT?

Statement I: Atoms of different elements combine in definite proportions to form compounds.

Statement II: In a pure chemical compound, elements are always present in a definite proportion by mass.

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

Q.17 What determines how much water is re-absorbed during urine formation?

- Ans
- ☐ A. Glucose
 - ☐ B. Oxygen
 - ☐ C. Protein
 - ☒ D. Excess water

Q.18 A student uses Fleming's Left Hand Rule to determine the direction of force on a conductor. If the forefinger points north, and the middle finger points east, in which direction will the force act?

- Ans
- ☐ A. Downwards
 - ☐ B. Southwards
 - ☐ C. Westwards
 - ☒ D. Upwards

Q.19 What characteristic is shared by both bacteria and cyanobacteria?

- Ans
- ☐ A. Both possess well defined nucleus
 - ☐ B. Both live in the gut of ruminants
 - ☒ C. Both are single-celled prokaryotes
 - ☐ D. Both reproduce by forming seeds

Q.20 A constant force acts on an object and does 250 J of work while moving it through a distance of 25 m in the direction of the force. What is the magnitude of the force?

- Ans**
- ☐ A. 25 N
 - ☐ B. 15 N
 - ☒ C. 10 N
 - ☐ D. 20 N

Q.21 Why does coal have a higher carbon content compared to the original plant material?

- Ans**
- ☐ A. Sunlight increases the carbon in buried plants
 - ☐ B. Minerals are added to plant remains in the soil
 - ☐ C. Gas from the atmosphere is absorbed by the plants
 - ☒ D. Water and volatile substances are lost during coal formation

Q.22 What happens to soap molecules when they are added to water?

- Ans**
- ☐ A. Hydrocarbon tails remain in water while ionic heads project outward.
 - ☒ B. Ionic heads remain in water while hydrocarbon tails project outward.
 - ☐ C. Both ionic heads and tails remain completely inside the water.
 - ☐ D. Soap molecules dissolve randomly without forming any arrangement.

Q.23 A botanist observes two cell types under a microscope. The first type has thick cell walls and large vacuoles, while the second type lacks cell walls and has small vacuoles. What can be inferred?

- Ans**
- ☐ A. Both samples are plant tissues.
 - ☒ B. The first sample is plant tissue, and the second is animal tissue.
 - ☐ C. The first sample is animal tissue, and the second is plant tissue.
 - ☐ D. Both samples are animal tissues.

Q.24 How are acids and bases similar in terms of their effect on skin?

- Ans**
- ☐ A. They both act as moisturizers
 - ☐ B. They both soothe the skin
 - ☐ C. They both clean the skin without harm
 - ☒ D. They both can cause irritation or burns

Q.25 Smoking increases the risk of which disease related to blood vessels?

- Ans**
- ☐ A. Anaemia
 - ☐ B. Goitre
 - ☐ C. Diabetes
 - ☒ D. Cardiovascular disease

Section : Mathematics

Q.26 The perimeter of a square is 948 m. Its area (in m²) is:

- Ans**
- ☒ A. 56,169
 - ☐ B. 56,152
 - ☐ C. 56,149
 - ☐ D. 56,168

Q.27 The number 4488 is divisible by which of the following numbers?

- Ans**
- ☐ A. 26
 - ☒ B. 22
 - ☐ C. 19
 - ☐ D. 30

Q.28 A motorboat travels 72 km downstream in 3 hours. The same boat takes 4 hours to cover 48 km upstream. What is the speed of the motorboat in still water?

- Ans**
- ☐ A. 20 km/hr
 - ☐ B. 16 km/hr
 - ☒ C. 18 km/hr
 - ☐ D. 15 km/hr

Q.29 If $\frac{\operatorname{cosec}\theta(1 - \cos\theta)(\operatorname{cosec}\theta + \cot\theta)}{(\cos\theta(\sec\theta + \tan\theta))} = \frac{1}{1 + k}$, then the value of k is

- Ans**
- ☐ A. $\cos\theta$
 - ☐ B. $\operatorname{cosec}\theta$
 - ☐ C. $\sec\theta$
 - ☒ D. $\sin\theta$

Q.30 A vendor buys 22 laptop bags for ₹43,670 and sells them at 20 for ₹39,760. How many laptop bags should be bought and sold at this rate, to earn a total profit of ₹1,227?

- Ans**
- ☐ A. 417
 - ☐ B. 388
 - ☐ C. 397
 - ☒ D. 409

Q.31 Aman can complete a project alone in 27 days. Bela is 25% more efficient than Aman. They work together on the same project for 10 days. Then, Bela leaves, and Aman continues the work alone. In how many days will the project be completed?

- Ans**
- ☐ A. 13.5 days
 - ☐ B. 15 days
 - ☐ C. 16 days
 - ☒ D. 14.5 days

Q.32 A bike is purchased for ₹1,20,000. If it depreciates by 18% in the first year and 7% in the second year, what is its value after two years?

- Ans**
- ☐ A. ₹89,450
 - ☐ B. ₹98,230
 - ☐ C. ₹90,340
 - ☒ D. ₹91,512

Q.33 The average seats secured by a political party in the last 5 elections is 23. If the party secures 47 seats in the current elections, find the new average seats secured by this political party in the six elections.

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

Q.34 Given the following frequency distribution table of class intervals and frequencies:

Class Intervals	Frequency
10-20	5
20-30	9
30-40	15
40-50	6

What is the mode of the distribution?

- Ans ☒ A. 34
☒ B. 40
☒ C. 24
☒ D. 20

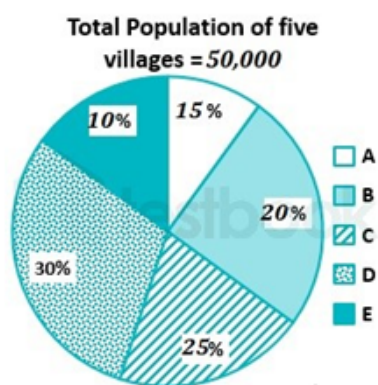
Q.35 Simplify the following: $3.6 + \frac{5}{2} - 1.25$

- Ans ☒ A. $4\frac{17}{20}$
☒ B. $3\frac{9}{20}$
☒ C. $5\frac{3}{20}$
☒ D. $4\frac{7}{20}$

Q.36 Find the fourth proportional of $5\sqrt{3}$, $4\sqrt{5}$, and $10\sqrt{3}$.

- Ans ☒ A. $8\sqrt{5}$
☒ B. $5\sqrt{3}$
☒ C. $8\sqrt{3}$
☒ D. $4\sqrt{3}$

Q.37 Study the given pie chart and answer the question that follows.
 The pie chart shows the percentage of the population in five villages in a year.



Find the ratio of population in village A to that in village C.

- Ans ☒ A. 3 : 5
☒ B. 1 : 3
☒ C. 2 : 5
☒ D. 2 : 3

Q.38 The expenditure of Sudha is 100% more than her savings. If her expenditure decreases by 6% and savings increase by 18%, then by what percentage does her income increase?

- Ans**
- ☐ A. 5%
 - ☐ B. 7%
 - ☐ C. 6%
 - ☒ D. 2%

Q.39 If the surface area of a sphere is 28.26 cm^2 . What is its volume? (Use $\pi = 3.14$)

- Ans**
- ☐ A. 18.31 cm^3
 - ☐ B. 20.42 cm^3
 - ☒ C. 14.13 cm^3
 - ☐ D. 12.24 cm^3

Q.40 Suman invested a sum of ₹3,500 at 20% per annum compound interest, compounded annually. If she received an amount of ₹6,048 after n years, the value of n is:

- Ans**
- ☒ A. 3
 - ☐ B. 2
 - ☐ C. 2.6
 - ☐ D. 4

Q.41 What will be the area of a rhombus whose side is 8 cm and altitude is

- Ans**
- ☐ A. 38 cm^2
 - ☐ B. 54 cm^2
 - ☐ C. 44 cm^2
 - ☒ D. 48 cm^2

Q.42 A man drives to a town at 45 km/hr and returns by the same route at 60 km/hr. The total time taken is 7 hours. Find the distance to the town from the starting point.

- Ans**
- ☐ A. 175 km
 - ☐ B. 165 km
 - ☐ C. 182 km
 - ☒ D. 180 km

Q.43 In a coding assessment conducted by a tech company, the scores of Candidate X and Candidate Y are in the ratio 12 : 15. If Candidate Y scored 75 marks, then find the score obtained by Candidate X.

- Ans**
- ☐ A. 50
 - ☒ B. 60
 - ☐ C. 65
 - ☐ D. 55

Q.44 Two banks, A and B, offered loans at 3.5% and 8% per annum, respectively. Rupesh borrowed an amount of ₹3,00,000 from each bank. Find the positive difference between the amounts of simple interest (in ₹) paid to the two banks by Rupesh after 2 years.

- Ans**
- ☐ A. 28,500
 - ☐ B. 26,500
 - ☒ C. 27,000
 - ☐ D. 28,000

Q.45 The average of the marks obtained by 25 boys and 20 girls in a class is 73. If the girls' average marks are 4.5 more than the boys' average marks, find the total marks scored by all the girls.

- Ans** ☒ A. 1510
☐ B. 1570
☐ C. 1450
☐ D. 1550

Q.46 Twice the mother's present age is equal to four times her daughter's present age. The sum of their present ages is 72 years. What is the difference (in years) between their present ages?

- Ans** ☐ A. 26
☒ B. 24
☐ C. 19
☐ D. 21

Q.47 The monthly income of a person is ₹7,545. If his income is increased by 20%, then what will be his new monthly income?

- Ans** ☐ A. ₹9,056
☐ B. ₹9,052
☐ C. ₹9,058
☒ D. ₹9,054

Q.48 Simplify: $\sqrt{256} + \sqrt{0.0121} - \sqrt{8.41}$

- Ans** ☐ A. 3.48
☐ B. 15.34
☒ C. 13.21
☐ D. 11.09

Q.49 Find the value of $\frac{\sin x}{1 - \cot x} + \frac{\cos x}{1 - \tan x}$.

- Ans** ☒ A. $\sin x + \cos x$
☐ B. 1
☐ C. $\cos x - \sin x$
☐ D. $\sin x - \cos x$

Q.50 A dealer buys two articles X and Y for ₹2,500 each. He marks each of them at the same price. He sells X by giving two successive discounts of 84% and 37% and still earns ₹947 as profit. If he sells Y at a single discount of 86%, then what is the profit percentage on Y?

- Ans** ☐ A. 90.5%
☐ B. 90%
☐ C. 91%
☒ D. 91.5%

Section : General Intelligence and Reasoning

Q.51 The position(s) of how many letters will remain unchanged if each letter in the word STICKER is arranged in the English alphabetical order?

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

Q.52 Sam starts from Point A and drives 9 km towards West. He then takes a left turn, drives 7 km, turns left and drives 11 km. He then takes a left turn and drives 13 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. 7 km towards South
 - ☐ B. 8 km towards South
 - ☐ C. 9 km towards South
 - ☒ D. 6 km towards South

Q.53 Refer to the following letter series and answer the question (Counting to be done from left to right only).
(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)
How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- Ans**
- ☐ A. Seven
 - ☐ B. Five
 - ☒ C. Six
 - ☐ D. Four

Q.54 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 18243564, 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. 12
 - ☒ B. 4
 - ☐ C. 8
 - ☐ D. 10

Q.55 J is the mother of U. U is the sister of N. D is the father of R. R is the son of N. How is J related to R?

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

Q.56 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: XZY :: QSR : %

- Ans**
- ☐ A. # = ZBZ , % = NPO
 - ☐ B. # = ZBA , % = OPQ
 - ☒ C. # = ZBA , % = OQP
 - ☐ D. # = ZDC , % = OQP

Q.57 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 81527236, 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. 8
 - ☒ B. 10
 - ☐ C. 4
 - ☐ D. 6

Q.58 A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. W lives on the topmost floor. Only three people live between W and B. A lives on a floor below B. V lives on an even numbered floor. C lives on an odd numbered floor but not on floor number 5. How many people live between U and B?

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

Q.59 Each letter in the word VERDANT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is third from the right in the new letter-cluster thus formed?

- Ans** ☒ A. Ten
☒ B. Twelve
☒ C. Eleven
☒ D. Thirteen

Q.60 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only one person sits between G and F when counted from the left of F. E sits third to the right of D. C sits third to the left of A. E sits to the immediate right of C. B is not an immediate neighbour of C. How many people sit between E and G when counted from the right of G?

- Ans** ☒ A. 2
☒ B. 3
☒ C. 1
☒ D. 4

Q.61 Which of the following options should come in place of the question mark (?) in the given series?
90 70 52 36 22 ?

- Ans** ☒ A. 10
☒ B. 14
☒ C. 12
☒ D. 8

Q.62 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 biscuits are wafers. No biscuit is a candy.

Conclusion (I) : All candies are biscuits.

Conclusion (II) : No wafer is a biscuit.

- 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.63 Refer to the following letter, number, symbol series and answer the question. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.)

(Left) Y A & 7 % G D 4 @ & K 6 T E 5 # 3 2 * R Z (Right)

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

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

Q.64 Seven friends J, K, L, M, N, O and P are sitting in a straight line, facing north. K sits third to the right of L. O is an immediate neighbor of K and M. L is an immediate neighbor of J and P. N sits second to the left of O. P does not sit on any of the extreme ends. 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. N and O
 - ☒ B. P and N
 - ☒ C. L and P
 - ☒ D. J and L

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?
9 A 3 C 5 B 6 D 10 = ?

- Ans**
- ☒ A. 27
 - ☒ B. 23
 - ☒ C. 21
 - ☒ D. 25

Q.66 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: BGJ :: NSV : %

- Ans**
- ☒ A. # = EUN % = OQS
 - ☒ B. # = FHM % = KOV
 - ☒ C. # = EJM % = KPS
 - ☒ D. # = EPM % = QZS

Q.67 In a certain code language, 'SOLE' is coded as '8921' and 'LONE' is coded as '7281'. What is the code for 'N' in the given code language?

- Ans**
- ☒ A. 7
 - ☒ B. 1
 - ☒ C. 9
 - ☒ D. 2

Q.68 31 is related to 122 following a certain logic. Following the same logic, 24 is related to 94. To which of the following is 19 related, following the same logic?
(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.)

- Ans** ☐ A. 78
☐ B. 64
☒ C. 74
☐ D. 70

Q.69 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 4 5 2 5 3 6 2 3 3 7 4 1 5 1 5 7 8 7 7 9 8 4 3 6 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. 4
☐ B. 3
☐ C. 2
☒ D. 5

Q.70 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'
Based on the above, how is C related to B if 'C @ R # U - M + B'?

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

Q.71 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 hands are legs. No leg is a face.

Conclusion (I) : All faces are legs.

Conclusion (II) : No leg is a hand.

- 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.72 This question is based on the following words.

(LEFT) ION EBB PET GET (RIGHT)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left as per the English alphabetical order?

Ans ✓ A. 6

✗ B. 8

✗ C. 7

✗ D. 5

Q.73 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

JTS, SCB, BLK, KUT, ?

Ans ✗ A. DCT

✗ B. TCD

✓ C. TDC

✗ D. CDT

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 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. MR:TY

✗ B. UZ:BG

✓ C. HN:OT

✗ D. PU:WB

Q.75 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. KOS

✓ B. OUA

✗ C. AEI

✗ D. CGK

Q.76 Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order. Only L is kept above Q. Only I is kept between Q and S. Only K is kept below J. How many boxes are kept between R and K?

Ans ✗ A. Two

✓ B. One

✗ C. Four

✗ D. Three

Q.77 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VRO :: CVV : %

Ans ✓ A. # = FBY , % = SOL

✗ B. # = FDA , % = SOL

✗ C. # = FBY , % = SNM

✗ D. # = FBX , % = RNK

Q.78 14 is related to 195 following a certain logic. Following the same logic, 11 is related to 120. To which of the following is 15 related, following the same logic?
(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.)

- Ans** ☐ A. 234
☐ B. 324
☐ C. 240
☒ D. 224

Q.79 This question is based on the following words.
(LEFT) BET YOU ZAP FRY (RIGHT)
How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

- Ans** ☐ A. 12
☒ B. 19
☐ C. 15
☐ D. 22

Q.80 G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.
H lives on floor numbered 5. G lives on a floor above H. Only P lives below L. J lives on an even numbered floor. How many people live below K?

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

Section : General Awareness and Current Affairs

Q.81 Against which of these countries did Pakistan declare open war in February 2026?

- Ans** ☐ A. Nepal
☐ B. Iran
☐ C. India
☒ D. Afghanistan

Q.82 In January 2026, the Padma Bhushan was awarded to which former Maharashtra governor?

- Ans** ☒ A. Bhagat Singh Koshyari
☐ B. C. P. Radhakrishnan
☐ C. Vidyasagar Rao
☐ D. S. C. Jamir

Q.83 In July 2026, who was reappointed as the Chairman of the Central Board of Direct Taxes (CBDT) for an additional six-month term?

- Ans** ☒ A. Ravi Agrawal
☐ B. Sanjay Malhotra
☐ C. Nitin Gupta
☐ D. Tuhin Kanta Pandey

Q.84 Which tennis player had won the 2026 Monte-Carlo Masters singles title after defeating Carlos Alcaraz in the final held on 12 April 2026?

- Ans**
- ☐ A. Daniil Medvedev
 - ☐ B. Novak Djokovic
 - ☒ C. Jannik Sinner
 - ☐ D. Alexander Zverev

Q.85 In May 2026, the Supreme Court observed that the Election Commission of India's power to conduct a Special Intensive Revision (SIR) of electoral rolls is derived from which of the following Articles of the Constitution?

- Ans**
- ☐ A. Article 326
 - ☐ B. Article 327
 - ☐ C. Article 325
 - ☒ D. Article 324

Q.86 The theme of World Water Day 2026 is "Water and Gender". The observance is celebrated annually on:

- Ans**
- ☐ A. 8 March
 - ☒ B. 22 March
 - ☐ C. 21 March
 - ☐ D. 10 March

Q.87 Where did the inaugural India International Disputes Week (IIDW) 2026 took place from **March 7-11, 2026**, under the theme "Where the World Meets to Resolve Disputes"?

- Ans**
- ☒ A. Chandigarh
 - ☐ B. Shimla
 - ☐ C. Hyderabad
 - ☐ D. Jaipur

Q.88 Scientists from which institute developed the electrolyte additive BDIM to improve the performance of aqueous zinc-ion batteries, as announced in June 2026?

- Ans**
- ☐ A. CSIR-National Chemical Laboratory (CSIR-NCL)
 - ☐ B. Indian Institute of Science (IISc)
 - ☒ C. Institute of Nano Science and Technology (INST)
 - ☐ D. Bhabha Atomic Research Centre (BARC)

Q.89 Why was the E-Prisons Module in the news in 2026?

- Ans**
- ☐ A. It was launched to conduct online court hearings.
 - ☐ B. It replaced the prison manual in all States.
 - ☒ C. The Supreme Court closed prison reform proceedings after its launch
 - ☐ D. It was introduced to monitor prison security through AI.

Q.90 At the 2026 London Marathon, which athlete became the first man in history to officially complete a marathon in under two hours in a competitive race?

- Ans**
- ☐ A. Eliud Kipchoge
 - ☒ B. Sabastian Sawe
 - ☐ C. Yomif Kejelcha
 - ☐ D. Jacob Kiplimo

Q.91 At the inaugural Indian Athletics Awards 2026 by the Athletic Federation of India, who was named the Best Female Athlete of the Year 2025?

- Ans**
- ☐ A. Avinash Sable
 - ☐ B. Ancy Sojan
 - ☒ C. Parul Chaudhary
 - ☐ D. Jyothi Yarraji

Q.92 Which social reformer's 200th birth anniversary was commemorated on April 11, 2026, in India?

- Ans**
- ☐ A. Sardar Vallabhbhai Patel
 - ☒ B. Jyotirao Phule
 - ☐ C. Dr. B.R. Ambedkar
 - ☐ D. Rabindranath Tagore

Q.93 What key initiative was launched to structure India's long-term development roadmap aligning with the SDGs?

- Ans**
- ☒ A. Viksit Bharat @ 2047 Vision
 - ☐ B. Data for Development Coordination Forum
 - ☐ C. Pradhan Mantri Fasal Bima Yojana
 - ☐ D. SDG Coordination Centres

Q.94 On which occasion did India officially join the Pax Silica coalition in 2026?

- Ans**
- ☐ A. During the 2025 Science and Tech Forum
 - ☒ B. On the fifth day of the India AI Impact Summit 2026
 - ☐ C. At the G20 Summit 2026
 - ☐ D. On the first day of Digital India Week

Q.95 At the end of the Ladakh leg of the 6th Khelo India Winter Games (KIWG) 2026, which of the following states/union territories topped the medal tally?

- Ans**
- ☐ A. Uttarakhand
 - ☒ B. Haryana
 - ☐ C. Himachal Pradesh
 - ☐ D. Karnataka

Q.96 Who was elected as the Prime Minister of Nepal following the elections held in March 2026?

- Ans**
- ☐ A. Sher Bahadur Deuba
 - ☒ B. Balendra Shah
 - ☐ C. Pushpa Kamal Dahal
 - ☐ D. Lokendra Bahadur Chand

Q.97 In March 2026, the Union Cabinet approved India's updated Nationally Determined Contribution (NDC) for the period 2031-2035. What is the new target for reducing the emissions intensity of India's GDP by 2035?

- Ans**
- ☐ A. 35 percent from 2005 level
 - ☐ B. 45 percent from 2010 level
 - ☒ C. 47 percent from 2005 level
 - ☐ D. 60 percent from 2005 level

Q.98 In April 2026, which initiative was launched by the Reserve Bank of India to strengthen the Urban Co-operative Banking sector?

- Ans**
- ☐ A. Mission SAHYOG
 - ☐ B. Mission SAMARTH
 - ☐ C. Mission SURAKSHA
 - ☒ D. Mission SAKSHAM

Q.99 Which of the following organizations published the 'Corruption Perceptions Index 2025' in February 2026?

- Ans**
- ☐ A. United Nations
 - ☐ B. World Bank
 - ☐ C. International Monetary Fund
 - ☒ D. Transparency International

Q.100 The governance campaign "Sushasan Tihar 2026", launched in May 2026, was associated with which Indian state?

- Ans**
- ☐ A. Jharkhand
 - ☐ B. Madhya Pradesh
 - ☒ C. Chhattisgarh
 - ☐ D. Uttar Pradesh