



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
CEN 01/2024 - ALP / सहायक लोको पायलट



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Manav Ashram
Test Date	28/11/2024
Test Time	4:30 PM - 5:30 PM
Subject	ALP Stage 1
Application Photograph	
Exam Day Photograph	

* Note

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

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

Section : RRB ALP

Q.1 The value of $x^2 - 5$ at $x = -1$ is:

- Ans
- 1. -5
 - 2. -4
 - 3. -1
 - 4. -2

Question Type : MCQ
Question ID : 6306801216981
Option 1 ID : 6306804787340
Option 2 ID : 6306804787339
Option 3 ID : 6306804787338
Option 4 ID : 6306804787337
Status : Answered
Chosen Option : 2

Q.2 The square of the length of a space diagonal of a closed cube is 2175 cm^2 . What is the total surface area (in cm^2) of the cube?

- Ans
- 1. 4305
 - 2. 4350
 - 3. 4530
 - 4. 4272

Question Type : MCQ
Question ID : 6306801217049
Option 1 ID : 6306804787610
Option 2 ID : 6306804787612
Option 3 ID : 6306804787611
Option 4 ID : 6306804787609
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.3 What type of reaction takes place when a single reactant breaks down into simpler products?

- Ans
- 1. Displacement
 - 2. Decomposition
 - 3. Combination
 - 4. Double displacement

Question Type : MCQ
Question ID : 6306801223222
Option 1 ID : 6306804811148
Option 2 ID : 6306804811146
Option 3 ID : 6306804811147
Option 4 ID : 6306804811149
Status : Answered
Chosen Option : 2

Q.4 In the following number pairs, the second number is obtained by applying certain mathematical operations to the first number. Which numbers should replace X and Y so that the pattern followed by the two numbers on the left side of :: is the same as that on the right side of ::?

(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.)

X : 198 :: 8 : Y

- Ans**
- 1. X = 4, Y = 512
 - 2. X = 7, Y = 538
 - 3. X = 6, Y = 488
 - 4. X = 5, Y = 546

Question Type : **MCQ**

Question ID : **6306801226032**

Option 1 ID : **6306804822176**

Option 2 ID : **6306804822177**

Option 3 ID : **6306804822175**

Option 4 ID : **6306804822178**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.5 In September 2024, which High Court of India struck down the amended Information Technology Rules 2023, which empowered the Centre to set up a fact check unit (FCU) to identify fake, false and misleading information about the government and its establishments on social media?

- Ans**
- 1. Patna High Court
 - 2. Delhi High Court
 - 3. Bombay High Court
 - 4. Madras High Court

Question Type : **MCQ**

Question ID : **6306801170887**

Option 1 ID : **6306804602954**

Option 2 ID : **6306804602953**

Option 3 ID : **6306804602952**

Option 4 ID : **6306804602955**

Status : **Not Answered**

Chosen Option : --

Q.6 A group of people consists of men, women, and children. 40% of them are men, 35% are women and rest are children, and their average weights are 70 kg, 60 kg and 30 kg, respectively. The average weight of the group is:

- Ans**
- 1. 55.5 kg
 - 2. 46.5 kg
 - 3. 45.5 kg
 - 4. 56.5 kg

Question Type : **MCQ**

Question ID : **6306801216964**

Option 1 ID : **6306804787269**

Option 2 ID : **6306804787270**

Option 3 ID : **6306804787271**

Option 4 ID : **6306804787272**

Status : **Answered**

Chosen Option : **4**

Q.7 When the force and the displacement are in the same direction, then work done will be:

- Ans
- 1. negative
 - 2. either positive or negative
 - 3. zero
 - 4. positive

Question Type : MCQ
Question ID : 6306801223346
Option 1 ID : 6306804811642
Option 2 ID : 6306804811644
Option 3 ID : 6306804811645
Option 4 ID : 6306804811643
Status : Answered
Chosen Option : 4

Q.8 Which of the following represents the ratio by mass of hydrogen to oxygen atoms (H:O) in a water molecule?

- Ans
- 1. 1 : 4
 - 2. 1 : 2
 - 3. 3 : 8
 - 4. 1 : 8

Question Type : MCQ
Question ID : 6306801223266
Option 1 ID : 6306804811322
Option 2 ID : 6306804811325
Option 3 ID : 6306804811324
Option 4 ID : 6306804811323
Status : Answered
Chosen Option : 4

Q.9 The Union Cabinet approved the establishment of International Big Cat Alliance (IBCA) with headquarters in India with a one-time budgetary support of ₹150 crore for a period of _____.

- Ans
- 1. 3 years
 - 2. 7 years
 - 3. 5 years
 - 4. 10 years

Question Type : MCQ
Question ID : 6306801163104
Option 1 ID : 6306804571699
Option 2 ID : 6306804571701
Option 3 ID : 6306804571700
Option 4 ID : 6306804571702
Status : Not Answered
Chosen Option : --

Q.10 If A means +, B means -, C means \times , D means \div , then what will come in place of the question mark (?) in the following equation?

$$14 \text{ B } 5 \text{ C } 5 \text{ A } 30 \text{ D } 2 = ?$$

- Ans**
- 1. 1
 - 2. 4
 - 3. 3
 - 4. 2

Question Type : **MCQ**

Question ID : **6306801226073**

Option 1 ID : **6306804822339**

Option 2 ID : **6306804822342**

Option 3 ID : **6306804822341**

Option 4 ID : **6306804822340**

Status : **Answered**

Chosen Option : **2**

Q.11 Under the Prime Minister's Internship Scheme launched in October 2024, candidates will receive a monthly stipend of what amount for the full 12-month internship period?

- Ans**
- 1. ₹6,500
 - 2. ₹1,500
 - 3. ₹5,000
 - 4. ₹2,000

Question Type : **MCQ**

Question ID : **6306801170657**

Option 1 ID : **6306804602047**

Option 2 ID : **6306804602044**

Option 3 ID : **6306804602046**

Option 4 ID : **6306804602045**

Status : **Not Answered**

Chosen Option : **--**

Q.12 Seven boxes, P, Q, R, S, X, Y and Z, are kept one over the other but not necessarily in the same order. Only P is kept above X. Only two boxes are kept between X and S. Only R is kept below Z. Y is not kept immediately above S. Which box is kept fourth from the top?

- Ans**
- 1. Z
 - 2. R
 - 3. X
 - 4. Q

Question Type : **MCQ**

Question ID : **6306801225998**

Option 1 ID : **6306804822042**

Option 2 ID : **6306804822041**

Option 3 ID : **6306804822040**

Option 4 ID : **6306804822039**

Status : **Answered**

Chosen Option : **4**

Q.13 In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A x B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

How is M related to T if 'M ÷ N x P - S + T'?

- Ans
- 1. Mother's brother
 - 2. Mother's brother's wife's brother
 - 3. Mother's brother's wife's father
 - 4. Mother's father

Question Type : MCQ

Question ID : 6306801225903

Option 1 ID : 6306804821659

Option 2 ID : 6306804821660

Option 3 ID : 6306804821661

Option 4 ID : 6306804821662

Status : Answered

Chosen Option : 3

Q.14 The value of $\sqrt{0.0016} \times \sqrt[3]{8000000}$ is:

- Ans
- 1. 16
 - 2. 1.6
 - 3. 8
 - 4. 0.8

Question Type : MCQ

Question ID : 6306801216806

Option 1 ID : 6306804786640

Option 2 ID : 6306804786639

Option 3 ID : 6306804786638

Option 4 ID : 6306804786637

Status : Answered

Chosen Option : 3

Q.15 The sum of five consecutive numbers is 260. The sum of the first and the last numbers is:

- Ans
- 1. 104
 - 2. 116
 - 3. 96
 - 4. 126

Question Type : MCQ

Question ID : 6306801217004

Option 1 ID : 6306804787431

Option 2 ID : 6306804787430

Option 3 ID : 6306804787432

Option 4 ID : 6306804787429

Status : Answered

Chosen Option : 1

Q.16 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

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

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

- Ans**
- 1. More than two
 - 2. One
 - 3. Zero
 - 4. Two

Question Type : **MCQ**
Question ID : **6306801226133**
Option 1 ID : **6306804822582**
Option 2 ID : **6306804822580**
Option 3 ID : **6306804822579**
Option 4 ID : **6306804822581**
Status : **Answered**
Chosen Option : **2**

Q.17 Which of the following options should come in place of the question mark (?) in the given series?

4 5 9 18 34 ?

- Ans**
- 1. 59
 - 2. 52
 - 3. 60
 - 4. 54

Question Type : **MCQ**
Question ID : **6306801226037**
Option 1 ID : **6306804822197**
Option 2 ID : **6306804822196**
Option 3 ID : **6306804822198**
Option 4 ID : **6306804822195**
Status : **Answered**
Chosen Option : **1**

Q.18 Which of the following numbers is divisible by both 7 and 11?

- Ans**
- 1. 2684
 - 2. 3014
 - 3. 1771
 - 4. 2534

Question Type : **MCQ**
Question ID : **6306801216814**
Option 1 ID : **6306804786670**
Option 2 ID : **6306804786672**
Option 3 ID : **6306804786669**
Option 4 ID : **6306804786671**
Status : **Answered**
Chosen Option : **3**

Q.19 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

BFW, DIS, FLO, HOK, ?

- Ans**
- 1. KQE
 - 2. KRF
 - 3. JSG
 - 4. JRG

Question Type : **MCQ**
Question ID : **6306801226022**
Option 1 ID : **6306804822137**
Option 2 ID : **6306804822138**
Option 3 ID : **6306804822135**
Option 4 ID : **6306804822136**
Status : **Answered**
Chosen Option : **4**

Q.20 Which tissue is responsible for movement in our body?

- Ans**
- 1. Epithelial tissue
 - 2. Nervous tissue
 - 3. Muscular tissue
 - 4. Connective tissue

Question Type : **MCQ**
Question ID : **6306801223119**
Option 1 ID : **6306804810734**
Option 2 ID : **6306804810737**
Option 3 ID : **6306804810736**
Option 4 ID : **6306804810735**
Status : **Answered**
Chosen Option : **3**

Q.21 Two successive discounts of 10% and 5% are equivalent to a single discount of _____.

- Ans**
- 1. 14.5%
 - 2. 15.5%
 - 3. 15%
 - 4. 14%

Question Type : **MCQ**
Question ID : **6306801216891**
Option 1 ID : **6306804786978**
Option 2 ID : **6306804786980**
Option 3 ID : **6306804786977**
Option 4 ID : **6306804786979**
Status : **Answered**
Chosen Option : **1**

Q.22 A class of 30 students appeared in a test. The average score of 12 students is 80, and that of the rest is 75. What is the average score of the class?

- Ans**
- 1. 56
 - 2. 87
 - 3. 77
 - 4. 67

Question Type : **MCQ**
Question ID : **6306801216965**
Option 1 ID : **6306804787275**
Option 2 ID : **6306804787273**
Option 3 ID : **6306804787276**
Option 4 ID : **6306804787274**
Status : **Answered**
Chosen Option : **3**

Q.23 When white light falls on a glass prism, it splits into seven colours. The phenomena is known as:

- Ans**
- 1. deviation
 - 2. refraction
 - 3. diffraction
 - 4. dispersion

Question Type : **MCQ**
Question ID : **6306801223317**
Option 1 ID : **6306804811528**
Option 2 ID : **6306804811529**
Option 3 ID : **6306804811526**
Option 4 ID : **6306804811527**
Status : **Answered**
Chosen Option : **4**

Q.24 If we add 1 to the numerator and subtract 1 from the denominator of a given fraction, it becomes 1. It becomes $\frac{2}{3}$ if 1 is added to the denominator of the given fraction while the numerator is left unchanged. The positive difference of numerator and denominator of the fraction is:

- Ans**
- 1. 2
 - 2. 3
 - 3. 5
 - 4. 7

Question Type : **MCQ**
Question ID : **6306801217013**
Option 1 ID : **6306804787467**
Option 2 ID : **6306804787468**
Option 3 ID : **6306804787466**
Option 4 ID : **6306804787465**
Status : **Marked For Review**
Chosen Option : **1**

Q.25 From a point on the ground, the angles of elevation of the top and the bottom of a flag that is mounted on an 18 m high pole, are respectively 60° and 30° . The height of the flag is:

- Ans**
- 1. 36 m
 - 2. 48 m
 - 3. 52 m
 - 4. 60 m

Question Type : **MCQ**

Question ID : **6306801217075**

Option 1 ID : **6306804787715**

Option 2 ID : **6306804787713**

Option 3 ID : **6306804787716**

Option 4 ID : **6306804787714**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.26 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only five people sit between A and F. G sits third to the left of F. E is the immediate neighbour of B and F. C is not the immediate neighbour of G.

How many people sit between C and E?

- Ans**
- 1. Four
 - 2. Two
 - 3. One
 - 4. Three

Question Type : **MCQ**

Question ID : **6306801225820**

Option 1 ID : **6306804821328**

Option 2 ID : **6306804821330**

Option 3 ID : **6306804821329**

Option 4 ID : **6306804821327**

Status : **Answered**

Chosen Option : 4

Q.27 Where does India rank on the Corruption Perceptions Index as of October 2024?

- Ans**
- 1. 89
 - 2. 93
 - 3. 86
 - 4. 96

Question Type : **MCQ**

Question ID : **6306801163276**

Option 1 ID : **6306804572387**

Option 2 ID : **6306804572388**

Option 3 ID : **6306804572390**

Option 4 ID : **6306804572389**

Status : **Not Answered**

Chosen Option : --

Q.28 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.

GTC : KWE

WFK : AIM

- Ans**
- 1. LPA : KMV
 - 2. DGB : GLI
 - 3. JQP : MVW
 - 4. OZG : SCI

Question Type : MCQ

Question ID : 6306801225857

Option 1 ID : 6306804821476

Option 2 ID : 6306804821475

Option 3 ID : 6306804821477

Option 4 ID : 6306804821478

Status : Answered

Chosen Option : 4

Q.29 In a certain code language, 'HAIR' is coded as '9715' and 'AGED' is coded as '8612'. What is the code for 'A' in the given code language?

- Ans**
- 1. 8
 - 2. 1
 - 3. 7
 - 4. 2

Question Type : MCQ

Question ID : 6306801225793

Option 1 ID : 6306804821222

Option 2 ID : 6306804821219

Option 3 ID : 6306804821221

Option 4 ID : 6306804821220

Status : Answered

Chosen Option : 2

Q.30 Reena runs at a speed of 8 km/h. How long will she take to cover 200 m?

- Ans**
- 1. 90 seconds
 - 2. 54 seconds
 - 3. 175 seconds
 - 4. 120 seconds

Question Type : MCQ

Question ID : 6306801216928

Option 1 ID : 6306804787126

Option 2 ID : 6306804787125

Option 3 ID : 6306804787128

Option 4 ID : 6306804787127

Status : Answered

Chosen Option : 1

Q.31 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 and decide which conclusion(s) logically follow(s) from the given statements.

Statements:

All chairs are tables.

No table is a bed.

Conclusions:

(I) Some beds are chairs.

(II) No bed is a table.

- Ans**
- 1. Only conclusion (I) follows.
 - 2. Both conclusions (I) and (II) follow.
 - 3. Neither conclusion (I) nor (II) follows.
 - 4. Only conclusion (II) follows.

Question Type : **MCQ**

Question ID : **6306801225896**

Option 1 ID : **6306804821631**

Option 2 ID : **6306804821634**

Option 3 ID : **6306804821633**

Option 4 ID : **6306804821632**

Status : **Answered**

Chosen Option : **4**

Q.32 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?

144 C 44 D 12 A 12 B 144=?

- Ans**
- 1. 34
 - 2. 43
 - 3. 54
 - 4. 44

Question Type : **MCQ**

Question ID : **6306801226008**

Option 1 ID : **6306804822080**

Option 2 ID : **6306804822081**

Option 3 ID : **6306804822082**

Option 4 ID : **6306804822079**

Status : **Answered**

Chosen Option : **4**

Q.33 Town A is the north of Town B. Town C is to the east of Town B. Town D is to the west of Town C. Town A is to the north-east of Town D. Town M is to the north of Town C. What is the position of Town D with respect to Town M?

- Ans**
- 1. South-west
 - 2. North-east
 - 3. East
 - 4. West

Question Type : **MCQ**
Question ID : **6306801225874**
Option 1 ID : **6306804821543**
Option 2 ID : **6306804821546**
Option 3 ID : **6306804821545**
Option 4 ID : **6306804821544**
Status : **Answered**
Chosen Option : **1**

Q.34 A dishonest dealer professes to sell his goods at cost price, but uses a false weight and thus gains 25%. For 100 gm, he uses a weight of how many grams?

- Ans**
- 1. 85 gm
 - 2. 75 gm
 - 3. 70 gm
 - 4. 80 gm

Question Type : **MCQ**
Question ID : **6306801216881**
Option 1 ID : **6306804786940**
Option 2 ID : **6306804786938**
Option 3 ID : **6306804786937**
Option 4 ID : **6306804786939**
Status : **Answered**
Chosen Option : **4**

Q.35 Who among the following is the author of the book 'Neeraj Chopra: The Man Who Made History'?

- Ans**
- 1. Norris Pritam
 - 2. Shamyra Dasgupta
 - 3. Navdeep Singh Gill
 - 4. Samir Chopra

Question Type : **MCQ**
Question ID : **6306801172869**
Option 1 ID : **6306804610730**
Option 2 ID : **6306804610731**
Option 3 ID : **6306804610732**
Option 4 ID : **6306804610733**
Status : **Not Answered**
Chosen Option : **--**

Q.36 What happens when pea plants showing two different characteristics (the tall/short trait and the round seed/wrinkled seed trait), rather than just one are bred with each other?

Ans 1.

Some F1 progeny are tall plants with round seeds, and some are short plants with wrinkled seeds.

2.

The tall/short trait and the round seed/wrinkled seed trait are dependently inherited.

3.

The tall/short trait and the round seed/wrinkled seed trait are independently inherited.

4. They are all tall and have round seeds in F2 generation.

Question Type : **MCQ**

Question ID : **6306801223184**

Option 1 ID : **6306804810997**

Option 2 ID : **6306804810994**

Option 3 ID : **6306804810995**

Option 4 ID : **6306804810996**

Status : **Not Answered**

Chosen Option : --

Q.37 The concept of 'Prodyogiki' in the Yuva Sangam programme (2023) primarily focuses on which of the following?

Ans 1. Political awareness

2. Cultural preservation

3. Economic development

4. Technology

Question Type : **MCQ**

Question ID : **6306801170918**

Option 1 ID : **6306804603074**

Option 2 ID : **6306804603072**

Option 3 ID : **6306804603073**

Option 4 ID : **6306804603075**

Status : **Not Answered**

Chosen Option : --

Q.38 If ₹2,400 is to be distributed between A and B in the ratio of 7 : 5 , then the share of B is:

Ans 1. ₹1,900

2. ₹1,000

3. ₹1,600

4. ₹1,300

Question Type : **MCQ**

Question ID : **6306801216925**

Option 1 ID : **6306804787113**

Option 2 ID : **6306804787116**

Option 3 ID : **6306804787114**

Option 4 ID : **6306804787115**

Status : **Answered**

Chosen Option : **2**

Q.39 If a regular polygon has 65 diagonals, then the number of sides this polygon has is:

- Ans
- 1. 14
 - 2. 12
 - 3. 10
 - 4. 13

Question Type : MCQ
Question ID : 6306801217055
Option 1 ID : 6306804787633
Option 2 ID : 6306804787635
Option 3 ID : 6306804787634
Option 4 ID : 6306804787636
Status : Not Answered
Chosen Option : --

Q.40 In which Indian state was a 1,300-year-old stupa discovered by the Archaeological Survey of India (ASI) in February 2023?

- Ans
- 1. Madhya Pradesh
 - 2. Odisha
 - 3. Bihar
 - 4. West Bengal

Question Type : MCQ
Question ID : 6306801171139
Option 1 ID : 6306804603955
Option 2 ID : 6306804603953
Option 3 ID : 6306804603954
Option 4 ID : 6306804603952
Status : Not Answered
Chosen Option : --

Q.41 What is the use of high-performance computing systems 'Arka' and 'Arunika'?

- Ans
- 1. Weather forecasting
 - 2. Monitoring unwanted elements on social media
 - 3. Detecting the location of drugs
 - 4. Cyber crime detection

Question Type : MCQ
Question ID : 6306801176302
Option 1 ID : 6306804624329
Option 2 ID : 6306804624330
Option 3 ID : 6306804624331
Option 4 ID : 6306804624328
Status : Not Answered
Chosen Option : --

Q.42 Name the scientist who first discovered the cell in 1665.

- Ans
- 1. Matthias Jakob Schleiden
 - 2. Robert Hooke
 - 3. Antonie van Leeuwenhoek
 - 4. Theodor Schwann

Question Type : MCQ
Question ID : 6306801223153
Option 1 ID : 6306804810872
Option 2 ID : 6306804810870
Option 3 ID : 6306804810871
Option 4 ID : 6306804810873
Status : Answered
Chosen Option : 2

Q.43 If each vowel in the word PAINTED 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, then which letter will be in the third position from the left in the new group of letters thus formed?

- Ans
- 1. M
 - 2. B
 - 3. F
 - 4. J

Question Type : MCQ
Question ID : 6306801226089
Option 1 ID : 6306804822405
Option 2 ID : 6306804822403
Option 3 ID : 6306804822406
Option 4 ID : 6306804822404
Status : Answered
Chosen Option : 4

Q.44 Which of the following statements is INCORRECT?

- Ans
- 1. Tooth decay starts when the pH of the mouth is lower than 5.5.
 - 2. When pH of rain water is less than 5.6, it is called acid rain.
 - 3. Living organisms can survive only in a narrow range of pH change.
 - 4. When pH of rain water is more than 5.6, it is called acid rain.

Question Type : MCQ
Question ID : 6306801223253
Option 1 ID : 6306804811272
Option 2 ID : 6306804811271
Option 3 ID : 6306804811270
Option 4 ID : 6306804811273
Status : Answered
Chosen Option : 4

Q.45 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 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**
- 1. SL – WP
 - 2. AT – EX
 - 3. KD - OF
 - 4. NG – RK

Question Type : **MCQ**
Question ID : **6306801225945**
Option 1 ID : **6306804821827**
Option 2 ID : **6306804821830**
Option 3 ID : **6306804821828**
Option 4 ID : **6306804821829**
Status : **Answered**
Chosen Option : **3**

Q.46 Identify the single cell organism.

- Ans**
- 1. Seaweed
 - 2. Amoeba
 - 3. Liver fluke
 - 4. Leech

Question Type : **MCQ**
Question ID : **6306801223157**
Option 1 ID : **6306804810887**
Option 2 ID : **6306804810886**
Option 3 ID : **6306804810889**
Option 4 ID : **6306804810888**
Status : **Answered**
Chosen Option : **2**

Q.47 Which of the following actions is responsible for the survival of species over time?

- Ans**
- 1. Variation
 - 2. Conservation
 - 3. Reproduction
 - 4. Struggle

Question Type : **MCQ**
Question ID : **6306801223130**
Option 1 ID : **6306804810781**
Option 2 ID : **6306804810780**
Option 3 ID : **6306804810778**
Option 4 ID : **6306804810779**
Status : **Answered**
Chosen Option : **1**

Q.48 In a certain code language, 'MOUSE' is coded as '74651', 'SPOKE' is coded as '52418', and 'PROUD' is coded as '26394'. What is the code for 'K' in the given code language?

- Ans**
- 1. 2
 - 2. 8
 - 3. 5
 - 4. 1

Question Type : **MCQ**
Question ID : **6306801225957**
Option 1 ID : **6306804821876**
Option 2 ID : **6306804821878**
Option 3 ID : **6306804821877**
Option 4 ID : **6306804821875**
Status : **Answered**
Chosen Option : **2**

Q.49 Select the correct sentence(s).

- a. The release of energy in the aerobic process is a lot greater than in the anaerobic process.
- b. ATP is broken down giving rise to a fixed amount of energy which can drive the endothermic reactions taking place in the cell.
- c. The pyruvate is converted into lactic acid which is also a three-carbon molecule.

- Ans**
- 1. Only a
 - 2. Only b and c
 - 3. Only a and b
 - 4. a, b and c

Question Type : **MCQ**
Question ID : **6306801223174**
Option 1 ID : **6306804810954**
Option 2 ID : **6306804810956**
Option 3 ID : **6306804810955**
Option 4 ID : **6306804810957**
Status : **Not Answered**
Chosen Option : **--**

Q.50 All liquids and gases are:

- Ans**
- 1. solids
 - 2. semiconductors
 - 3. insulators
 - 4. fluids

Question Type : **MCQ**
Question ID : **6306801223288**
Option 1 ID : **6306804811410**
Option 2 ID : **6306804811411**
Option 3 ID : **6306804811413**
Option 4 ID : **6306804811412**
Status : **Answered**
Chosen Option : **4**

Q.51 Regarding carbon, which of the following statements is true?

- Ans
- 1. Carbon is monovalent.
 - 2. Carbon is trivalent.
 - 3. Carbon is tetravalent.
 - 4. Carbon is bivalent.

Question Type : MCQ
Question ID : 6306801223207
Option 1 ID : 6306804811086
Option 2 ID : 6306804811088
Option 3 ID : 6306804811089
Option 4 ID : 6306804811087
Status : Answered
Chosen Option : 3

Q.52 Milk is a mixture of:

- Ans
- 1. only fat
 - 2. water, fat, protein etc.
 - 3. only water
 - 4. only protein

Question Type : MCQ
Question ID : 6306801223276
Option 1 ID : 6306804811362
Option 2 ID : 6306804811365
Option 3 ID : 6306804811364
Option 4 ID : 6306804811363
Status : Answered
Chosen Option : 2

Q.53 Aarav can do a piece of work alone in 6 days and Babita can do it alone in 8 days. Aarav and Babita undertook to do it for ₹2,400. With the help of Chaitanya, they completed the work in 3 days. How much is to be paid to Babita?

- Ans
- 1. ₹1,400
 - 2. ₹900
 - 3. ₹800
 - 4. ₹1,200

Question Type : MCQ
Question ID : 6306801216957
Option 1 ID : 6306804787242
Option 2 ID : 6306804787243
Option 3 ID : 6306804787244
Option 4 ID : 6306804787241
Status : Answered
Chosen Option : 2

Q.54 If a sum amounts to $2\frac{1}{4}$ times the sum after 2 years on a certain rate of compound interest, compounded annually, then the rate of interest per annum is:

- Ans**
- 1. 50%
 - 2. 40%
 - 3. 25%
 - 4. 30%

Question Type : **MCQ**
Question ID : **6306801216910**
Option 1 ID : **6306804787056**
Option 2 ID : **6306804787055**
Option 3 ID : **6306804787053**
Option 4 ID : **6306804787054**
Status : **Marked For Review**
Chosen Option : **3**

Q.55 When a motorcar makes a sharp turn at a high speed, we tend to get thrown to one side. This example is based on which law of motion?

- Ans**
- 1. Third law of motion
 - 2. Second law of motion
 - 3. First law of motion
 - 4. Conservation of momentum

Question Type : **MCQ**
Question ID : **6306801223338**
Option 1 ID : **6306804811610**
Option 2 ID : **6306804811611**
Option 3 ID : **6306804811612**
Option 4 ID : **6306804811613**
Status : **Answered**
Chosen Option : **3**

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 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**
- 1. UM - ZN
 - 2. YQ - CU
 - 3. AS - EW
 - 4. DV - HZ

Question Type : **MCQ**
Question ID : **6306801225947**
Option 1 ID : **6306804821837**
Option 2 ID : **6306804821835**
Option 3 ID : **6306804821836**
Option 4 ID : **6306804821838**
Status : **Answered**
Chosen Option : **1**

Q.57 The 90th edition of the Ranji Trophy started in October 2024. Which of the following games is the Ranji Trophy related to?

- Ans
- 1. Hockey
 - 2. Cricket
 - 3. Badminton
 - 4. Basketball

Question Type : MCQ
Question ID : 6306801172858
Option 1 ID : 6306804610686
Option 2 ID : 6306804610687
Option 3 ID : 6306804610688
Option 4 ID : 6306804610689
Status : Answered
Chosen Option : 2

Q.58 Find the volume of a sphere whose diameter is 84 m. [Use $\pi = \frac{22}{7}$]

- Ans
- 1. 338,808 m³
 - 2. 323,434 m³
 - 3. 310,464 m³
 - 4. 313,418 m³

Question Type : MCQ
Question ID : 6306801217026
Option 1 ID : 6306804787517
Option 2 ID : 6306804787518
Option 3 ID : 6306804787520
Option 4 ID : 6306804787519
Status : Answered
Chosen Option : 3

Q.59 Six people, A, B, C, D, E and F are sitting in a straight line, facing north.

Only three people sit to the left of E. B sits second to the right of E. Only three people sit between A and C. C sits immediately left of D.

How many people sit between D and F?

- Ans
- 1. Three
 - 2. None
 - 3. Two
 - 4. One

Question Type : MCQ
Question ID : 6306801225971
Option 1 ID : 6306804821934
Option 2 ID : 6306804821931
Option 3 ID : 6306804821933
Option 4 ID : 6306804821932
Status : Answered
Chosen Option : 2

Q.60 What determines the chemical properties of a carbon compound?

- Ans
- 1. Molecular mass
 - 2. Number of Hydrogen atoms
 - 3. Length of the carbon chain
 - 4. Functional group

Question Type : MCQ
Question ID : 6306801223215
Option 1 ID : 6306804811120
Option 2 ID : 6306804811121
Option 3 ID : 6306804811118
Option 4 ID : 6306804811119
Status : Answered
Chosen Option : 3

Q.61 A gardener increases the area of his rectangular garden by increasing its length by 40% and decreasing its breadth by 20%. The area of the new garden is what percentage more than the area of the old garden?

- Ans
- 1. 8%
 - 2. 0%
 - 3. 12%
 - 4. 20%

Question Type : MCQ
Question ID : 6306801216843
Option 1 ID : 6306804786787
Option 2 ID : 6306804786788
Option 3 ID : 6306804786786
Option 4 ID : 6306804786785
Status : Answered
Chosen Option : 3

Q.62 In the following number pairs, the second number is obtained by applying certain mathematical operations to the first number. Which numbers should replace X and Y so that the pattern followed by the two numbers on the left side of :: is the same as that on the right side of ::?

(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.)

X : 140.4 :: 38 : Y

- Ans
- 1. X = 21, Y = 218.4
 - 2. X = 23, Y = 240.6
 - 3. X = 26, Y = 205.2
 - 4. X = 34, Y = 225.8

Question Type : MCQ
Question ID : 6306801226027
Option 1 ID : 6306804822156
Option 2 ID : 6306804822155
Option 3 ID : 6306804822158
Option 4 ID : 6306804822157
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.63 Magnetic field lines around a straight current carrying conductor look like:

- Ans
- 1. concentric circles
 - 2. ellipses
 - 3. hyperbolas
 - 4. straight lines

Question Type : MCQ
Question ID : 6306801223305
Option 1 ID : 6306804811478
Option 2 ID : 6306804811479
Option 3 ID : 6306804811480
Option 4 ID : 6306804811481
Status : Answered
Chosen Option : 2

Q.64 The magnification produced by a spherical mirror is +0.75. The image is:

- Ans
- 1. Real, inverted and enlarged
 - 2. Virtual, erect and diminished
 - 3. Virtual, erect and enlarged
 - 4. Real, inverted and diminished

Question Type : MCQ
Question ID : 6306801223368
Option 1 ID : 6306804811730
Option 2 ID : 6306804811733
Option 3 ID : 6306804811732
Option 4 ID : 6306804811731
Status : Not Answered
Chosen Option : --

Q.65 In 2024, Air Marshal Tejinder Singh was appointed as the _____ at the Air Headquarters (Vayu Bhawan).

- Ans
- 1. Deputy Chief of the Air Staff
 - 2. Chief of the Air Staff
 - 3. Chief of Defence Staff
 - 4. Air Officer Commanding-in-Chief

Question Type : MCQ
Question ID : 6306801172237
Option 1 ID : 6306804608255
Option 2 ID : 6306804608257
Option 3 ID : 6306804608254
Option 4 ID : 6306804608256
Status : Not Answered
Chosen Option : --

Q.66 In this question, a statement is followed by two courses of action, numbered I and II. You must assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the courses of action logically follow(s) for pursuing.

Statement:

Mr. X, a teacher of a high school, often beats his students.

Courses of Action:

I. Students should complain about this matter to the principal of the school.

II. Students should quit the school and take admission in another school.

- Ans**
- 1. Both I and II follow.
 - 2. Only I follows.
 - 3. Only II follows.
 - 4. Neither I nor II follows.

Question Type : **MCQ**

Question ID : **6306801225933**

Option 1 ID : **6306804821782**

Option 2 ID : **6306804821779**

Option 3 ID : **6306804821780**

Option 4 ID : **6306804821781**

Status : **Answered**

Chosen Option : **2**

Q.67 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

GJN, ILP, KNR, MPT, ?

- Ans**
- 1. RVO
 - 2. ORV
 - 3. ROV
 - 4. OVR

Question Type : **MCQ**

Question ID : **6306801226101**

Option 1 ID : **6306804822454**

Option 2 ID : **6306804822452**

Option 3 ID : **6306804822453**

Option 4 ID : **6306804822451**

Status : **Answered**

Chosen Option : **2**

Q.68 Which of the following is NOT a characteristic of particles of matter?

- Ans**
- 1. Particles of matter attract each other.
 - 2. Particles of matter have space between them.
 - 3. Particles of matter are static.
 - 4. Particles of matter are continuously moving.

Question Type : **MCQ**

Question ID : **6306801223270**

Option 1 ID : **6306804811338**

Option 2 ID : **6306804811339**

Option 3 ID : **6306804811341**

Option 4 ID : **6306804811340**

Status : **Answered**

Chosen Option : **3**

Q.69 A town had a population of 50,000 in 1988. In one year, by 1989, it increased by 25%. Next year, in 1990, it decreased by 30%. The next year, in 1991, there was an increase of 40%. What is the population at the end of 1991?

- Ans**
- 1. 62,250
 - 2. 61,250
 - 3. 66,550
 - 4. 60,250

Question Type : **MCQ**

Question ID : **6306801216859**

Option 1 ID : **6306804786850**

Option 2 ID : **6306804786852**

Option 3 ID : **6306804786851**

Option 4 ID : **6306804786849**

Status : **Answered**

Chosen Option : **2**

Q.70 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and decide which conclusion(s) logically follow(s) from the given statements.

Statements:

No dogs are pigs.

All pigs are stones.

Conclusions:

(I) Some stones are pigs.

(II) No stones are dogs.

- Ans**
- 1. Both conclusions (I) and (II) follow
 - 2. Only conclusion (I) follows
 - 3. Neither conclusion (I) nor (II) follows
 - 4. Only conclusion (II) follows

Question Type : **MCQ**

Question ID : **6306801225839**

Option 1 ID : **6306804821406**

Option 2 ID : **6306804821403**

Option 3 ID : **6306804821405**

Option 4 ID : **6306804821404**

Status : **Answered**

Chosen Option : **2**

Q.71 Study the following table and answer the given question.

The table shows the expenditure of a family over the given years.

Year	Expenditure in ₹				
	Food	Clothing	Education	Rent	Others
2011	2000	1200	3300	2000	4000
2012	2500	1100	3200	2300	4100

What is the total expenditure (in ₹) on food by the family for the year 2011 and 2012?

- Ans
- 1. 5,000
 - 2. 5,500
 - 3. 6,000
 - 4. 4,500

Question Type : MCQ
Question ID : 6306801225974
Option 1 ID : 6306804821944
Option 2 ID : 6306804821945
Option 3 ID : 6306804821946
Option 4 ID : 6306804821943
Status : Answered
Chosen Option : 4

Q.72 The sum of all prime numbers between 60 and 90 is:

- Ans
- 1. 523
 - 2. 460
 - 3. 610
 - 4. 373

Question Type : MCQ
Question ID : 6306801216820
Option 1 ID : 6306804786695
Option 2 ID : 6306804786694
Option 3 ID : 6306804786696
Option 4 ID : 6306804786693
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.73 Consider a parallel combination of 2 resistors with resistances $4\ \Omega$ and $6\ \Omega$. The equivalent resistance of the circuit is:

- Ans
- 1. $4.2\ \Omega$
 - 2. $2.4\ \Omega$
 - 3. $10\ \Omega$
 - 4. $12\ \Omega$

Question Type : **MCQ**
Question ID : **6306801223298**
Option 1 ID : **6306804811451**
Option 2 ID : **6306804811452**
Option 3 ID : **6306804811450**
Option 4 ID : **6306804811453**
Status : **Answered**
Chosen Option : **2**

Q.74 If each vowel in the word PLANTED 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, then which letter will be in the third position from the left in the new group of letters thus formed?

- Ans
- 1. K
 - 2. F
 - 3. C
 - 4. B

Question Type : **MCQ**
Question ID : **6306801226088**
Option 1 ID : **6306804822400**
Option 2 ID : **6306804822401**
Option 3 ID : **6306804822402**
Option 4 ID : **6306804822399**
Status : **Answered**
Chosen Option : **4**

Q.75 DGEH is related to ILJM in a certain way based on the English alphabetical order. In the same way, GJHK is related to LOMP. To which of the following options is PSQT related, following the same logic?

- Ans
- 1. VUWY
 - 2. UXVY
 - 3. UVXZ
 - 4. UXWY

Question Type : **MCQ**
Question ID : **6306801225881**
Option 1 ID : **6306804821574**
Option 2 ID : **6306804821573**
Option 3 ID : **6306804821572**
Option 4 ID : **6306804821571**
Status : **Answered**
Chosen Option : **2**