



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



Roll Number	
Candidate Name	
Test Center Name	Sri Mundrika Infotech Private Limited
Test Date	27/11/2024
Test Time	9:00 AM - 10:00 AM
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 Seven people, B, C, D, E, F, G and K are sitting in a straight line, facing north. Only five people sit between B and K. G sits to the immediate left of K. Only one person sits between G and E. D sits at some place to the left of F but at some place to the right of C.

Who sits third from the left end of the line?

- Ans**
- ☒ 1. D
 - ☐ 2. F
 - ☐ 3. C
 - ☐ 4. E

Question Type : **MCQ**

Question ID : **6306801214476**

Option 1 ID : **6306804777123**

Option 2 ID : **6306804777122**

Option 3 ID : **6306804777124**

Option 4 ID : **6306804777125**

Status : **Not Answered**

Chosen Option : --

Q.2 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 :: ?

X : 66 :: 9 : Y

- Ans**
- ☐ 1. X = 9, Y = 81
 - ☐ 2. X = 8, Y = 81
 - ☐ 3. X = 7, Y = 80
 - ☒ 4. X = 8, Y = 83

Question Type : **MCQ**

Question ID : **6306801214419**

Option 1 ID : **6306804776897**

Option 2 ID : **6306804776894**

Option 3 ID : **6306804776895**

Option 4 ID : **6306804776896**

Status : **Not Answered**

Chosen Option : --

Q.3 A retailer would have made a profit of 18% if he had sold an article at its marked price. If the marked price of the article is ₹826, then the cost price of the article is:

- Ans**
- ☐ 1. ₹800
 - ☐ 2. ₹650
 - ☐ 3. ₹750
 - ☒ 4. ₹700

Question Type : **MCQ**

Question ID : **6306801213166**

Option 1 ID : **6306804771830**

Option 2 ID : **6306804771833**

Option 3 ID : **6306804771832**

Option 4 ID : **6306804771831**

Status : **Answered**

Chosen Option : **4**

Q.4 Which of the following is an example of heterogeneous solution?

- Ans ☒ 1. Mixture of oil and water
☒ 2. Lemonade
☒ 3. Mixture of ethanol and water
☒ 4. Tincture of iodine

Question Type : MCQ

Question ID : 6306801219369

Option 1 ID : 6306804796884

Option 2 ID : 6306804796883

Option 3 ID : 6306804796886

Option 4 ID : 6306804796885

Status : Answered

Chosen Option : 1

Q.5 Which of the following statements is/are correct?

Statements:

I) Gravitational force between two objects is independent of the distance of separation between two objects.

II) Gravitational force between two objects is inversely proportional to the square of the distance of separation between two objects.

III) Gravitational force between two objects is directly proportional to the product of their masses.

- Ans ☒ 1. Statements II and III
☒ 2. Statements I and II
☒ 3. Statements I and III
☒ 4. Statements I, II and III

Question Type : MCQ

Question ID : 6306801217155

Option 1 ID : 6306804788077

Option 2 ID : 6306804788076

Option 3 ID : 6306804788075

Option 4 ID : 6306804788078

Status : Answered

Chosen Option : 4

Q.6 If each vowel in the word ROMANCE is changed to the nearest consonant succeeding it in the English alphabetical order and each consonant is changed to the nearest vowel succeeding it in English alphabetical order, then which of the following letters is repeated twice in the new group of letters thus formed?

- Ans ☒ 1. P
☒ 2. O
☒ 3. F
☒ 4. U

Question Type : MCQ

Question ID : 6306801214586

Option 1 ID : 6306804777563

Option 2 ID : 6306804777564

Option 3 ID : 6306804777565

Option 4 ID : 6306804777562

Status : Not Answered

Chosen Option : --

Q.7 Which of the following metals is more reactive towards dilute hydrochloric acid?

- Ans
- ☒ 1. Al
 - ☐ 2. Mg
 - ☐ 3. Fe
 - ☐ 4. Zn

Question Type : MCQ

Question ID : 6306801219396

Option 1 ID : 6306804796991

Option 2 ID : 6306804796992

Option 3 ID : 6306804796994

Option 4 ID : 6306804796993

Status : Answered

Chosen Option : 4

Q.8 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

BDF, IKM, PRT, WYA, ?

- Ans
- ☐ 1. CEG
 - ☐ 2. DGJ
 - ☒ 3. DFH
 - ☐ 4. CFI

Question Type : MCQ

Question ID : 6306801214570

Option 1 ID : 6306804777498

Option 2 ID : 6306804777499

Option 3 ID : 6306804777501

Option 4 ID : 6306804777500

Status : Answered

Chosen Option : 3

Q.9 In a certain code language, 'DOTH' is coded as '3764' and 'HOLD' is coded as '7943'. What is the code for 'T' in the given code language?

- Ans
- ☒ 1. 6
 - ☐ 2. 7
 - ☐ 3. 4
 - ☐ 4. 3

Question Type : MCQ

Question ID : 6306801214483

Option 1 ID : 6306804777152

Option 2 ID : 6306804777153

Option 3 ID : 6306804777151

Option 4 ID : 6306804777150

Status : Answered

Chosen Option : 1

Q.10 Which Indian city recorded the highest PM2.5 level in 2023, making it the most polluted metropolitan area globally?

- Ans**
- ☐ 1. Greater Noida
 - ☐ 2. Mullanpur
 - ☐ 3. Guwahati
 - ☒ 4. Begusarai

Question Type : **MCQ**

Question ID : **6306801144106**

Option 1 ID : **6306804496607**

Option 2 ID : **6306804496606**

Option 3 ID : **6306804496605**

Option 4 ID : **6306804496604**

Status : **Answered**

Chosen Option : **4**

Q.11 A, B, C, D, E and F are sitting around a circular table facing the centre. F sits second to the right of C. D is an immediate neighbour of E and F. A sits second to the left of B. What is the position of E with respect to C?

- Ans**
- ☐ 1. Second to the right
 - ☐ 2. Immediate right
 - ☒ 3. Second to the left
 - ☐ 4. Third to the left

Question Type : **MCQ**

Question ID : **6306801214359**

Option 1 ID : **6306804776657**

Option 2 ID : **6306804776655**

Option 3 ID : **6306804776654**

Option 4 ID : **6306804776656**

Status : **Answered**

Chosen Option : **3**

Q.12 If each vowel in the word WEIGHT is changed to the letter immediately succeeding 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 is repeated twice in the new group of letters thus formed?

- Ans**
- ☐ 1. V
 - ☐ 2. G
 - ☒ 3. F
 - ☐ 4. J

Question Type : **MCQ**

Question ID : **6306801214584**

Option 1 ID : **6306804777554**

Option 2 ID : **6306804777557**

Option 3 ID : **6306804777555**

Option 4 ID : **6306804777556**

Status : **Answered**

Chosen Option : **3**

Q.13 In 2023, India imported crude oil from which country, making payments in Indian Rupees (₹), as part of the Rupee-Dirham trade agreement?

- Ans ☒ 1. UAE
☒ 2. Oman
☒ 3. Russia
☒ 4. Qatar

Question Type : MCQ
Question ID : 6306801146115
Option 1 ID : 6306804504616
Option 2 ID : 6306804504618
Option 3 ID : 6306804504615
Option 4 ID : 6306804504617
Status : Answered
Chosen Option : 1

Q.14 The correct expression of 6.4646464646..... in the fractional form is:

- Ans ☒ 1. $\frac{6464}{1000}$
☒ 2. $\frac{646}{99}$
☒ 3. $\frac{640}{99}$
☒ 4. $\frac{640}{100}$

Question Type : MCQ
Question ID : 6306801213095
Option 1 ID : 6306804771547
Option 2 ID : 6306804771546
Option 3 ID : 6306804771549
Option 4 ID : 6306804771548
Status : Answered
Chosen Option : 3

Q.15 Which of the following receptors help in the detection of taste?

- Ans ☒ 1. Gustatory receptors
☒ 2. Olfactory receptors
☒ 3. Phonoreceptors
☒ 4. Photoreceptors

Question Type : MCQ
Question ID : 6306801217278
Option 1 ID : 6306804788581
Option 2 ID : 6306804788579
Option 3 ID : 6306804788582
Option 4 ID : 6306804788580
Status : Answered
Chosen Option : 2

Q.16 Which of the following singers was awarded the Padma Shri in 2024 for his significant contributions to Himachali folk and classical music?

- Ans
- ☒ 1. Hansraj Raghuwanshi
 - ☒ 2. Kuldeep Sharma
 - ☒ 3. Mohit Chauhan
 - ☒ 4. Som Datt Battu

Question Type : MCQ

Question ID : 6306801146016

Option 1 ID : 6306804504230

Option 2 ID : 6306804504227

Option 3 ID : 6306804504228

Option 4 ID : 6306804504229

Status : Not Answered

Chosen Option : --

Q.17 The equivalent resistance of the series combination of R ohm and 5 ohm is 7 ohm. Here, R is _____.

- Ans
- ☒ 1. 7 ohm
 - ☒ 2. 2 ohm
 - ☒ 3. 5 ohm
 - ☒ 4. 1 ohm

Question Type : MCQ

Question ID : 6306801217177

Option 1 ID : 6306804788166

Option 2 ID : 6306804788165

Option 3 ID : 6306804788163

Option 4 ID : 6306804788164

Status : Answered

Chosen Option : 2

Q.18 Which of the following physical quantities is equivalent to the total path length covered by a moving body?

- Ans
- ☒ 1. Speed
 - ☒ 2. Velocity
 - ☒ 3. Displacement
 - ☒ 4. Distance

Question Type : MCQ

Question ID : 6306801217209

Option 1 ID : 6306804788293

Option 2 ID : 6306804788294

Option 3 ID : 6306804788292

Option 4 ID : 6306804788291

Status : Answered

Chosen Option : 4

Q.19 Which of the following compounds is obtained when gypsum is heated at 373 K?

- Ans
- ☒ 1. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
 - ☒ 2. CaO
 - ☒ 3. $\text{CaSO}_4 \cdot (1/2 \text{H}_2\text{O})$
 - ☒ 4. $\text{CaSO}_4 \cdot 5\text{H}_2\text{O}$

Question Type : MCQ

Question ID : 6306801219386

Option 1 ID : 6306804796952

Option 2 ID : 6306804796953

Option 3 ID : 6306804796951

Option 4 ID : 6306804796954

Status : Answered

Chosen Option : 3

Q.20 Who among the following was appointed as the Brand Ambassador of the Ministry of Ports, Shipping and Waterways of the Government of India?

- Ans
- ☒ 1. Sarabjot Singh
 - ☒ 2. P R Shreejesh
 - ☒ 3. Neeraj Chopra
 - ☒ 4. Manu Bhaker

Question Type : MCQ

Question ID : 6306801154501

Option 1 ID : 6306804537930

Option 2 ID : 6306804537928

Option 3 ID : 6306804537927

Option 4 ID : 6306804537929

Status : Not Answered

Chosen Option : --

Q.21 Which of the following options should come in place of the question mark (?) in the given series to make it logically complete?

24, 33, 44, 57, 72, ?

- Ans
- ☒ 1. 100
 - ☒ 2. 89
 - ☒ 3. 96
 - ☒ 4. 94

Question Type : MCQ

Question ID : 6306801214546

Option 1 ID : 6306804777405

Option 2 ID : 6306804777402

Option 3 ID : 6306804777404

Option 4 ID : 6306804777403

Status : Answered

Chosen Option : 2

Q.22 A sum of money lent on simple interest becomes $\frac{7}{5}$ of itself in 4 years. Find the rate of interest per annum.

- Ans**
- ☒ 1. 15%
 - ☒ 2. 12%
 - ☒ 3. 10%
 - ☒ 4. 6%

Question Type : **MCQ**

Question ID : **6306801213181**

Option 1 ID : **6306804771893**

Option 2 ID : **6306804771892**

Option 3 ID : **6306804771891**

Option 4 ID : **6306804771890**

Status : **Answered**

Chosen Option : **3**

Q.23 Which of the following animals shows the power of regeneration?

- Ans**
- ☒ 1. Leech
 - ☒ 2. Earthworm
 - ☒ 3. Planaria
 - ☒ 4. Tick

Question Type : **MCQ**

Question ID : **6306801217337**

Option 1 ID : **6306804788821**

Option 2 ID : **6306804788820**

Option 3 ID : **6306804788819**

Option 4 ID : **6306804788822**

Status : **Answered**

Chosen Option : **3**

Q.24 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. SC-NX
 - ☒ 2. RB-MW
 - ☒ 3. XF-SC
 - ☒ 4. AK-VF

Question Type : **MCQ**

Question ID : **6306801214511**

Option 1 ID : **6306804777263**

Option 2 ID : **6306804777262**

Option 3 ID : **6306804777265**

Option 4 ID : **6306804777264**

Status : **Answered**

Chosen Option : **3**

Q.25 Which two numbers should be interchanged to make the given equation correct?

$$63 - 45 + 14 + (81 \div 9) \times 4 + 18 \times 3 = 114$$

(Note: Interchange should be done of the entire number and not individual digits of a given number.)

- Ans**
- ☒ 1. 4 and 3
 - ☒ 2. 14 and 18
 - ☒ 3. 63 and 81
 - ☒ 4. 45 and 81

Question Type : **MCQ**

Question ID : **6306801214641**

Option 1 ID : **6306804777785**

Option 2 ID : **6306804777783**

Option 3 ID : **6306804777784**

Option 4 ID : **6306804777782**

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

Chosen Option : --

Q.26 The median of the observations 20, 23, 25, 30, 20, 31, 32, 35, 20, 41, 42, 43, 20, 20 and 20 is:

- Ans**
- ☒ 1. 23
 - ☒ 2. 26
 - ☒ 3. 25
 - ☒ 4. 28

Question Type : **MCQ**

Question ID : **6306801213254**

Option 1 ID : **6306804772185**

Option 2 ID : **6306804772183**

Option 3 ID : **6306804772184**

Option 4 ID : **6306804772182**

Status : **Answered**

Chosen Option : 4

Q.27 Membrane bound organelles are NOT present in:

- Ans**
- ☒ 1. Only eukaryotic cells
 - ☒ 2. Only prokaryotic cells
 - ☒ 3. Both eukaryotic and prokaryotic cells
 - ☒ 4. Neither eukaryotic nor prokaryotic cells

Question Type : **MCQ**

Question ID : **6306801217293**

Option 1 ID : **6306804788639**

Option 2 ID : **6306804788640**

Option 3 ID : **6306804788641**

Option 4 ID : **6306804788642**

Status : **Answered**

Chosen Option : 2

Q.28 If the mean of a data is 65 and its mode is 23, then the median using empirical formula is:

- Ans ☒ 1. 53
☒ 2. 51
☒ 3. 54
☒ 4. 52

Question Type : **MCQ**

Question ID : **6306801213270**

Option 1 ID : **6306804772248**

Option 2 ID : **6306804772247**

Option 3 ID : **6306804772249**

Option 4 ID : **6306804772246**

Status : **Answered**

Chosen Option : **2**

Q.29 Why do covalently bonded compounds have low boiling point?

- Ans ☒ 1.
 Have strong intermolecular force within molecules but weak covalent bond
☒ 2.
 Have weak covalent bond within molecules but weak intermolecular force
☒ 3.
 Have strong covalent bond within molecules but weak intermolecular force
☒ 4.
 Have strong covalent bond within molecules and also strong intermolecular force

Question Type : **MCQ**

Question ID : **6306801214986**

Option 1 ID : **6306804779258**

Option 2 ID : **6306804779259**

Option 3 ID : **6306804779261**

Option 4 ID : **6306804779260**

Status : **Not Answered**

Chosen Option : **--**

Q.30 There are two classrooms, A and B. If 7 students are shifted from A to B, then B will have twice the number of students as A. If 3 students are sent from B to A, then both the classrooms will have the same number of students. The positive difference between the number of students in the two classrooms is:

- Ans ☒ 1. 7
☒ 2. 8
☒ 3. 6
☒ 4. 5

Question Type : **MCQ**

Question ID : **6306801213298**

Option 1 ID : **6306804772358**

Option 2 ID : **6306804772360**

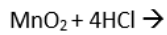
Option 3 ID : **6306804772359**

Option 4 ID : **6306804772361**

Status : **Not Answered**

Chosen Option : **--**

Q.31 Which of the following options represents the product(s) of the reaction given below?



Ans ☒ 1. Only H₂O

☒ 2. Only Cl₂

☒ 3. MnCl₂, Cl₂ and 2H₂O

☒ 4. Only MnCl₂

Question Type : MCQ

Question ID : 6306801219419

Option 1 ID : 6306804797085

Option 2 ID : 6306804797084

Option 3 ID : 6306804797086

Option 4 ID : 6306804797083

Status : Answered

Chosen Option : 3

Q.32 Amita is 2 years elder than her friend Amrita. Amita's father is twice as old as Amita, and Amrita is twice as old as her sister. The ages of Amita's father and Amrita's sister differ by 43 years. The difference between the ages of Amita and Amrita is:

Ans ☒ 1. 1

☒ 2. 3

☒ 3. 4

☒ 4. 2

Question Type : MCQ

Question ID : 6306801213314

Option 1 ID : 6306804772422

Option 2 ID : 6306804772424

Option 3 ID : 6306804772425

Option 4 ID : 6306804772423

Status : Not Answered

Chosen Option : --

Q.33 Simplify the following expression:

$$\frac{4.32 \times 4.32 - 2.64 \times 2.64}{1.68}$$

Ans ☒ 1. 6.99

☒ 2. 6.56

☒ 3. 6.94

☒ 4. 6.96

Question Type : MCQ

Question ID : 6306801213278

Option 1 ID : 6306804772280

Option 2 ID : 6306804772281

Option 3 ID : 6306804772278

Option 4 ID : 6306804772279

Status : Answered

Chosen Option : 4

Q.34 RV11 is related to GK18 in a certain way. In the same way, DH29 is related to SW36. To which of the following options is PT22 related, following the same logic?

- Ans**
- ☒ 1. EI29
 - ☐ 2. FI29
 - ☐ 3. FJ29
 - ☐ 4. EJ29

Question Type : **MCQ**

Question ID : **6306801214459**

Option 1 ID : **6306804777054**

Option 2 ID : **6306804777056**

Option 3 ID : **6306804777057**

Option 4 ID : **6306804777055**

Status : **Answered**

Chosen Option : **3**

Q.35 A dishonest shopkeeper pretends to sell his goods at cost price. However, he uses a false weight on which 200 gm is written, but which actually weighs lesser. Using this false weight, the shopkeeper makes a gain of 25%. The actual measure of the weight used is:

- Ans**
- ☐ 1. 150 gm
 - ☐ 2. 200 gm
 - ☐ 3. 180 gm
 - ☒ 4. 160 gm

Question Type : **MCQ**

Question ID : **6306801213164**

Option 1 ID : **6306804771825**

Option 2 ID : **6306804771822**

Option 3 ID : **6306804771823**

Option 4 ID : **6306804771824**

Status : **Answered**

Chosen Option : **4**

Q.36 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:

Some bulbs are sands.

All bulbs are candles.

Conclusion:

(I) Some candles are bulbs.

(II) No candle is a sand.

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

Question Type : **MCQ**

Question ID : **6306801214515**

Option 1 ID : **6306804777279**

Option 2 ID : **6306804777281**

Option 3 ID : **6306804777280**

Option 4 ID : **6306804777278**

Status : **Answered**

Chosen Option : **4**

Q.37 Two people drive towards each other from two places which are 56 km apart. The speed of the first person is 12 km/h and the speed of the other is 14 km/h. After how long will they be 4 km apart if they start driving at the same time?

- Ans**
- ☒ 1. 1 hour
 - ☒ 2. 1 hour 30 minutes
 - ☒ 3. 2 hours 10 minutes
 - ☒ 4. 2 hours

Question Type : **MCQ**

Question ID : **6306801213215**

Option 1 ID : **6306804772026**

Option 2 ID : **6306804772027**

Option 3 ID : **6306804772029**

Option 4 ID : **6306804772028**

Status : **Answered**

Chosen Option : **4**

Q.38 If $x : y = 8 : 3$, then $(x + y) : (x - y) = ?$

- Ans**
- ☒ 1. 11 : 5
 - ☒ 2. 5 : 2
 - ☒ 3. 5 : 11
 - ☒ 4. 2 : 5

Question Type : **MCQ**

Question ID : **6306801213199**

Option 1 ID : **6306804771965**

Option 2 ID : **6306804771962**

Option 3 ID : **6306804771964**

Option 4 ID : **6306804771963**

Status : **Answered**

Chosen Option : **1**

Q.39 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 bike is a car.

All cars are planes.

Conclusions

(I) No plane is a bike.

(II) All planes are cars.

- 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 : **6306801214510**

Option 1 ID : **6306804777258**

Option 2 ID : **6306804777261**

Option 3 ID : **6306804777260**

Option 4 ID : **6306804777259**

Status : **Answered**

Chosen Option : **3**

Q.40 Given that one cubic cm of marble weighs 25 gms, the weight of a cuboidal marble block 28 cm in width and 5 cm thick is 112 kg. The length of the block is:

- Ans**
- ☒ 1. 36 cm
 - ☒ 2. 26.5 cm
 - ☒ 3. 32 cm
 - ☒ 4. 37.5 cm

Question Type : **MCQ**

Question ID : **6306801213348**

Option 1 ID : **6306804772560**

Option 2 ID : **6306804772558**

Option 3 ID : **6306804772559**

Option 4 ID : **6306804772561**

Status : **Not Answered**

Chosen Option : **--**

Q.41 Which of the following molecules acts as an information source for making proteins?

- Ans**
- ☒ 1. Phospholipids
 - ☒ 2. Deoxyribonucleic acid
 - ☒ 3. Ribonucleic acid
 - ☒ 4. Carbohydrates

Question Type : **MCQ**

Question ID : **6306801217346**

Option 1 ID : **6306804788858**

Option 2 ID : **6306804788857**

Option 3 ID : **6306804788855**

Option 4 ID : **6306804788856**

Status : **Answered**

Chosen Option : **2**

Q.42 Which of the following is the highest award in the Rashtriya Vigyan Puraskar awards?

- Ans ☒ 1. Vigyan Vajra
☒ 2. Vigyan Mahan
☒ 3. Vigyan Shri
☒ 4. Vigyan Ratna

Question Type : MCQ

Question ID : 6306801137549

Option 1 ID : 6306804470379

Option 2 ID : 6306804470382

Option 3 ID : 6306804470380

Option 4 ID : 6306804470381

Status : Not Answered

Chosen Option : --

Q.43 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?

$$(32 \text{ P } 4) \text{ R } (21 \text{ P } 5) \text{ S } (9 \text{ Q } 3) \text{ P } 6 = ?$$

- Ans ☒ 1. 47
☒ 2. 50
☒ 3. 33
☒ 4. 41

Question Type : MCQ

Question ID : 6306801214639

Option 1 ID : 6306804777777

Option 2 ID : 6306804777775

Option 3 ID : 6306804777774

Option 4 ID : 6306804777776

Status : Answered

Chosen Option : 4

Q.44 The LCM of two numbers is 84. If the numbers are in the ratio 2 : 3, then the sum of the numbers is:

- Ans ☒ 1. 70
☒ 2. 25
☒ 3. 40
☒ 4. 60

Question Type : MCQ

Question ID : 6306801213115

Option 1 ID : 6306804771629

Option 2 ID : 6306804771626

Option 3 ID : 6306804771627

Option 4 ID : 6306804771628

Status : Answered

Chosen Option : 1

Q.45 On which date did the Department of Posts launch the philately scholarship scheme in 2024?

- Ans
- ☐ 1. 20 July 2024
 - ☐ 2. 5 September 2024
 - ☐ 3. 15 August 2024
 - ☒ 4. 24 August 2024

Question Type : MCQ
Question ID : 6306801140373
Option 1 ID : 6306804481584
Option 2 ID : 6306804481587
Option 3 ID : 6306804481585
Option 4 ID : 6306804481586
Status : Not Answered
Chosen Option : --

Q.46 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

FEB, KJG, POL, UTQ, ?

- Ans
- ☐ 1. YZU
 - ☒ 2. ZYV
 - ☐ 3. ZVU
 - ☐ 4. ZXS

Question Type : MCQ
Question ID : 6306801214522
Option 1 ID : 6306804777309
Option 2 ID : 6306804777307
Option 3 ID : 6306804777308
Option 4 ID : 6306804777306
Status : Answered
Chosen Option : 2

Q.47 Which of the following statements is INCORRECT?

- Ans
- ☐ 1. In the gaseous state, the particles move about randomly at a high speed.
 - ☐ 2. The oxygen supplied to hospitals in cylinders is a compressed gas.
 - ☒ 3. The oxygen supplied to hospitals in cylinders is not a compressed gas.
 - ☐ 4. Compressed natural gas (CNG) is used as a fuel in vehicles these days.

Question Type : MCQ
Question ID : 6306801219362
Option 1 ID : 6306804796858
Option 2 ID : 6306804796857
Option 3 ID : 6306804796855
Option 4 ID : 6306804796856
Status : Answered
Chosen Option : 3

Q.48 What recent decision did the Union Cabinet make regarding the Ayushman Bharat PM-JAY scheme on 11 September 2024?

- Ans** ☒ 1. To extend benefits to all citizens aged 70 and above
- ☐ 2. To increase the coverage amount for all citizens
- ☐ 3. To limit coverage to only low-income families
- ☐ 4. To discontinue the scheme

Question Type : **MCQ**

Question ID : **6306801147014**

Option 1 ID : **6306804508194**

Option 2 ID : **6306804508193**

Option 3 ID : **6306804508195**

Option 4 ID : **6306804508196**

Status : **Answered**

Chosen Option : **2**

Q.49 In 2024, which country is cooperating with India to counter China's military assertiveness and has discussed technology transfer for UNICORN at the 2+2 ministerial dialogue?

- Ans** ☒ 1. Japan
- ☐ 2. The United States of America
- ☐ 3. France
- ☐ 4. Australia

Question Type : **MCQ**

Question ID : **6306801144682**

Option 1 ID : **6306804498898**

Option 2 ID : **6306804498900**

Option 3 ID : **6306804498901**

Option 4 ID : **6306804498899**

Status : **Not Answered**

Chosen Option : **--**

Q.50 If a man lifts 1 kg of load to the height of 2.5 m from the ground, then assuming acceleration due to gravity is 10 m/sec^2 , magnitude of the work done by the man is _____.

- Ans** ☐ 1. 2.5 joules
- ☐ 2. 4 joules
- ☒ 3. 25 joules
- ☐ 4. 0.25 joule

Question Type : **MCQ**

Question ID : **6306801217145**

Option 1 ID : **6306804788036**

Option 2 ID : **6306804788038**

Option 3 ID : **6306804788035**

Option 4 ID : **6306804788037**

Status : **Answered**

Chosen Option : **3**

Q.51 Which of the following is the molecular mass of HNO_3 ?

- Ans ☒ 1. 63 u
☒ 2. 60 u
☒ 3. 64 u
☒ 4. 67 u

Question Type : MCQ
 Question ID : 6306801219356
 Option 1 ID : 6306804796833
 Option 2 ID : 6306804796832
 Option 3 ID : 6306804796831
 Option 4 ID : 6306804796834
 Status : Answered
 Chosen Option : 4

Q.52 If the refractive index of air, water and crown glass are n_1 , n_2 and n_3 , respectively, then _____.

- Ans ☒ 1. $n_1 = n_2 < n_3$
☒ 2. $n_1 < n_2 < n_3$
☒ 3. $n_1 < n_2 = n_3$
☒ 4. $n_1 > n_2 > n_3$

Question Type : MCQ
 Question ID : 6306801217192
 Option 1 ID : 6306804788224
 Option 2 ID : 6306804788226
 Option 3 ID : 6306804788225
 Option 4 ID : 6306804788223
 Status : Answered
 Chosen Option : 2

Q.53 Which of the following statements about magnetic field is correct?

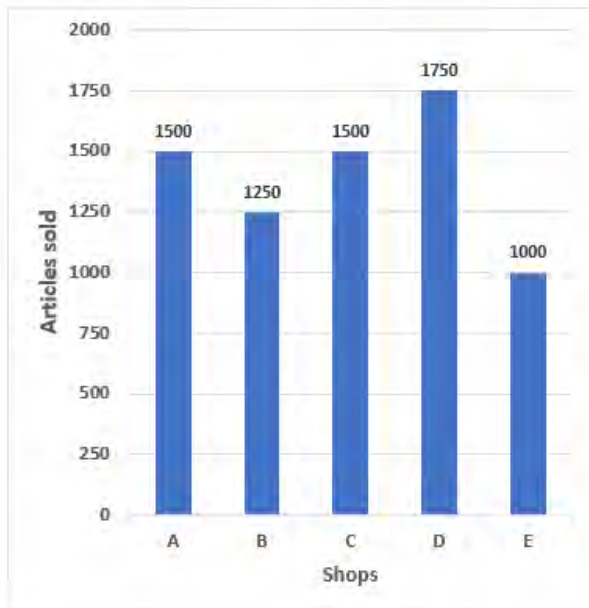
- Ans ☒ 1. It only exists outside the magnet.
☒ 2. It is always in the form of straight lines.
☒ 3. It is a scalar quantity.
☒ 4.

Its direction at any point is measured by a magnetic compass.

Question Type : MCQ
 Question ID : 6306801217227
 Option 1 ID : 6306804788365
 Option 2 ID : 6306804788364
 Option 3 ID : 6306804788363
 Option 4 ID : 6306804788366
 Status : Answered
 Chosen Option : 4

Q.54 Study the following graph and answer the given question.

The graph shows the number of articles sold in a week by different shops.



What percentage of articles did shop C sell more than shop B?

- Ans ☒ 1. 20%
☒ 2. 40%
☒ 3. 50%
☒ 4. 30%

Question Type : MCQ

Question ID : 6306801214565

Option 1 ID : 6306804777478

Option 2 ID : 6306804777480

Option 3 ID : 6306804777481

Option 4 ID : 6306804777479

Status : Answered

Chosen Option : 1

Q.55 A person saves 30% of his monthly income. If his monthly income increases by 20%, then he saves 20% more than the previous savings. The percentage increase in his expenditure is _____.

- Ans ☒ 1. 20%
☒ 2. 16%
☒ 3. 30%
☒ 4. 25%

Question Type : MCQ

Question ID : 6306801213147

Option 1 ID : 6306804771754

Option 2 ID : 6306804771756

Option 3 ID : 6306804771757

Option 4 ID : 6306804771755

Status : Answered

Chosen Option : 1

Q.56 The surface area of a sphere is $256\pi \text{ m}^2$. Find its diameter.

- Ans
- ☒ 1. 8 m
 - ☒ 2. 16 m
 - ☒ 3. 4 m
 - ☒ 4. 12 m

Question Type : MCQ
 Question ID : 6306801213326
 Option 1 ID : 6306804772471
 Option 2 ID : 6306804772473
 Option 3 ID : 6306804772470
 Option 4 ID : 6306804772472
 Status : Answered
 Chosen Option : 2

Q.57 The Artisan Mahakumbh 2024, organised by the Government of India in Mumbai, was held to promote artisans under which of the following schemes?

- Ans
- ☒ 1. Prime Minister's Employment Generation Programme
 - ☒ 2. USTAAD (Upgrading the Skills and Training in Traditional Arts/Crafts for Development)
 - ☒ 3. Scheme of Fund for Regeneration of Traditional Industries (SFURTI)
 - ☒ 4. Pradhan Mantri Kaushal Vikas Yojana

Question Type : MCQ
 Question ID : 6306801146022
 Option 1 ID : 6306804504251
 Option 2 ID : 6306804504252
 Option 3 ID : 6306804504253
 Option 4 ID : 6306804504254
 Status : Not Answered
 Chosen Option : --

Q.58 इस प्रश्न में, एक कथन के बाद I और II क्रमांकित दो कार्यवाहियाँ दी गई हैं। आपको कथन में दी गई सभी जानकारियों को सत्य मानना होगा और कथन में दी गई जानकारी के आधार पर निश्चय करना होगा, कि तार्किक रूप से किस/किन कार्यवाही/कार्यवाहियों का अनुसरण किया जाना चाहिए।

कथन:

प्रतिदिन सुबह 7.30 बजे से 9 बजे के बीच अपार्टमेंट परिसर के बाहर सर्विस रोड पर गंभीर भीड़ देखी जाती है क्योंकि विभिन्न स्कूलों की कई स्कूल बसें अपार्टमेंट परिसर के गेट से बच्चों को लेने के लिए आती हैं। इससे ट्रैफिक जाम हो रहा है, जिससे इस समय काम के लिए यात्रा करने वाले कई लोगों को देरी हो रही है।

कार्यवाही:

- (I) सुबह 7.30 बजे से 9 बजे तक किसी भी स्कूल बस को सर्विस रोड पर जाने की अनुमति नहीं दी जानी चाहिए।
- (II) स्कूल बसों को सोसायटी गेट में प्रवेश की अनुमति दी जानी चाहिए।

- Ans
- ☒ 1. न तो I और न ही II अनुसरण करता है
 - ☒ 2. केवल II अनुसरण करता है
 - ☒ 3. केवल I अनुसरण करता है
 - ☒ 4. I और II दोनों अनुसरण करते हैं

Question Type : MCQ
 Question ID : 6306801214385
 Option 1 ID : 6306804776760
 Option 2 ID : 6306804776759
 Option 3 ID : 6306804776758
 Option 4 ID : 6306804776761
 Status : Answered
 Chosen Option : 2

Q.59 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

GB-HC-JL

PK-QL-SU

Ans ☒ 1. QL-RM-TV

☐ 2. NI-OJ-QR

☐ 3. SN-TO-VW

☐ 4. RM-SN-UV

Question Type : **MCQ**

Question ID : **6306801214666**

Option 1 ID : **6306804777882**

Option 2 ID : **6306804777883**

Option 3 ID : **6306804777884**

Option 4 ID : **6306804777885**

Status : **Answered**

Chosen Option : **1**

Q.60 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which 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. RP-NS

☐ 2. IG-EJ

☐ 3. OM-KP

☒ 4. MK-IO

Question Type : **MCQ**

Question ID : **6306801214669**

Option 1 ID : **6306804777897**

Option 2 ID : **6306804777894**

Option 3 ID : **6306804777896**

Option 4 ID : **6306804777895**

Status : **Answered**

Chosen Option : **4**

Q.61 The distance between the centre of curvature and pole of a convex mirror of 1 m focal length is _____.

Ans ☒ 1. 2 m

☐ 2. 0.5 m

☐ 3. 1.5 m

☐ 4. 1 m

Question Type : **MCQ**

Question ID : **6306801217201**

Option 1 ID : **6306804788260**

Option 2 ID : **6306804788261**

Option 3 ID : **6306804788262**

Option 4 ID : **6306804788259**

Status : **Answered**

Chosen Option : **2**

Q.62 If 60% of a number is added to 120, then the result is the number itself. 60% of this number is _____.

- Ans
- ☒ 1. 320
 - ☒ 2. 300
 - ☒ 3. 180
 - ☒ 4. 200

Question Type : MCQ

Question ID : 6306801213127

Option 1 ID : 6306804771676

Option 2 ID : 6306804771675

Option 3 ID : 6306804771677

Option 4 ID : 6306804771674

Status : Answered

Chosen Option : 3

Q.63 यदि शब्द PASTRY के प्रत्येक व्यंजन को अंग्रेजी वर्णमाला क्रम में उसके ठीक पहले वाले अक्षर से बदल दिया जाए, और प्रत्येक स्वर को अंग्रेजी वर्णमाला क्रम में उसके ठीक बाद वाले अक्षर से बदल दिया जाए, तो इस प्रकार बने अक्षरों के नए समूह में कितने स्वर मौजूद होंगे?

- Ans
- ☒ 1. एक
 - ☒ 2. दो
 - ☒ 3. एक भी नहीं
 - ☒ 4. तीन

Question Type : MCQ

Question ID : 6306801214585

Option 1 ID : 6306804777559

Option 2 ID : 6306804777560

Option 3 ID : 6306804777558

Option 4 ID : 6306804777561

Status : Answered

Chosen Option : 2

Q.64 Triangle ABC is similar to triangle DEF with $\frac{BC}{EF} = \frac{1}{4}$. Find $\frac{\text{Area (triangle DEF)}}{\text{Area (triangle ABC)}}$.

- Ans
- ☒ 1. 16
 - ☒ 2. $\frac{1}{4}$
 - ☒ 3. $\frac{1}{16}$
 - ☒ 4. 4

Question Type : MCQ

Question ID : 6306801213359

Option 1 ID : 6306804772602

Option 2 ID : 6306804772605

Option 3 ID : 6306804772604

Option 4 ID : 6306804772603

Status : Answered

Chosen Option : 1

Q.65 The final match for Irani Trophy 2024-25, which was won by Mumbai, was conducted at

- Ans ☒ 1. Patna
☒ 2. Lucknow
☒ 3. Ahmedabad
☒ 4. Hyderabad

Question Type : MCQ
Question ID : 6306801134810
Option 1 ID : 6306804459356
Option 2 ID : 6306804459354
Option 3 ID : 6306804459355
Option 4 ID : 6306804459353
Status : Answered
Chosen Option : 3

Q.66 48 men can do a work in 5 days while 40 women can do the same work in 9 days. In how many days can 4 men and 6 women together do the same work?

- Ans ☒ 1. 30 days
☒ 2. 24 days
☒ 3. 42 days
☒ 4. 48 days

Question Type : MCQ
Question ID : 6306801213241
Option 1 ID : 6306804772131
Option 2 ID : 6306804772130
Option 3 ID : 6306804772132
Option 4 ID : 6306804772133
Status : Answered
Chosen Option : 1

Q.67 Q starts from Point A and drives 14 km towards the South. He then takes a left turn, drives 10 km, turns left and drives 9 km. He then takes a left turn and drives 7 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 to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans ☒ 1. 3 km towards the North
☒ 2. 3 km towards the West
☒ 3. 3 km towards the South
☒ 4. 3 km towards the East

Question Type : MCQ
Question ID : 6306801214413
Option 1 ID : 6306804776872
Option 2 ID : 6306804776871
Option 3 ID : 6306804776873
Option 4 ID : 6306804776870
Status : Not Answered
Chosen Option : --

Q.68 In a certain code language, 'SKATE' is coded as '35186' and 'TAKER' is coded as '51623'. What is the code for 'R' in the given code language?

- Ans**
- ☒ 1. 6
 - ☐ 2. 2
 - ☐ 3. 3
 - ☐ 4. 1

Question Type : **MCQ**

Question ID : **6306801214447**

Option 1 ID : **6306804777009**

Option 2 ID : **6306804777007**

Option 3 ID : **6306804777008**

Option 4 ID : **6306804777006**

Status : **Answered**

Chosen Option : **2**

Q.69 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 : 192 :: 34 : Y

- Ans**
- ☒ 1. X = 59, Y = 117
 - ☐ 2. X = 52, Y = 102
 - ☐ 3. X = 45, Y = 136
 - ☐ 4. X = 48, Y = 128

Question Type : **MCQ**

Question ID : **6306801214619**

Option 1 ID : **6306804777695**

Option 2 ID : **6306804777696**

Option 3 ID : **6306804777694**

Option 4 ID : **6306804777697**

Status : **Not Answered**

Chosen Option : **--**

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',
 $A \times B$ means 'A is the wife of B',
 $A \div B$ means 'A is the father of B',
 and $A \# B$ means 'A is the daughter of B'.
 How is Q related to J if ' $Q + R - P \times S \div T - J + K$ '?

- Ans
- ☒ 1. Daughter's son
 - ☒ 2. Father's mother
 - ☒ 3. Son's daughter
 - ☒ 4. Mother's mother

Question Type : MCQ
 Question ID : 6306801214371
 Option 1 ID : 6306804776704
 Option 2 ID : 6306804776702
 Option 3 ID : 6306804776705
 Option 4 ID : 6306804776703
 Status : Answered
 Chosen Option : 4

Q.71 $\frac{\cos 45^\circ}{\tan 30^\circ + \cot 60^\circ}$ is equal to:

- Ans
- ☒ 1. $\frac{\sqrt{3}}{\sqrt{2}}$
 - ☒ 2. $\frac{\sqrt{3}}{\sqrt{2}(1 + \sqrt{3})}$
 - ☒ 3. $\frac{\sqrt{3}}{\sqrt{2}(1 - \sqrt{3})}$
 - ☒ 4. $\frac{\sqrt{3}}{2\sqrt{2}}$

Question Type : MCQ
 Question ID : 6306801213374
 Option 1 ID : 6306804772663
 Option 2 ID : 6306804772664
 Option 3 ID : 6306804772665
 Option 4 ID : 6306804772662
 Status : Answered
 Chosen Option : 4

Q.72 What is required for the synthesis of thyroxin hormones?

- Ans
- ☐ 1. Bromine
 - ☐ 2. Chlorine
 - ☐ 3. Nickel
 - ☒ 4. Iodine

Question Type : MCQ

Question ID : 6306801217265

Option 1 ID : 6306804788528

Option 2 ID : 6306804788527

Option 3 ID : 6306804788530

Option 4 ID : 6306804788529

Status : Answered

Chosen Option : 4

Q.73 Which cell has changing shapes?

- Ans
- ☐ 1. Nerve cell
 - ☒ 2. Amoeba
 - ☐ 3. Ovum
 - ☐ 4. Smooth muscle

Question Type : MCQ

Question ID : 6306801217283

Option 1 ID : 6306804788601

Option 2 ID : 6306804788602

Option 3 ID : 6306804788599

Option 4 ID : 6306804788600

Status : Answered

Chosen Option : 4

Q.74 All 36 students in a class are standing in a row facing north. Preeti is 12th from the right end while Alisha is 22nd from the left end. How many people stand between Preeti and Alisha?

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

Question Type : MCQ

Question ID : 6306801214396

Option 1 ID : 6306804776804

Option 2 ID : 6306804776805

Option 3 ID : 6306804776802

Option 4 ID : 6306804776803

Status : Answered

Chosen Option : 1

Q.75

The value of $(36)^{1/6}$ is:

Ans

✓ 1. $(6)^{1/3}$

✗ 2. 1

✗ 3. $\sqrt{36}$

✗ 4. 2

Question Type : MCQ

Question ID : 6306801213087

Option 1 ID : 6306804771517

Option 2 ID : 6306804771516

Option 3 ID : 6306804771515

Option 4 ID : 6306804771514

Status : Not Answered

Chosen Option : --

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