



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



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Baruipur
Test Date	28/11/2024
Test Time	12:30 PM - 1:30 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 3 pencils and 5 pens together cost ₹101, whereas 5 pencils and 3 pens together cost ₹91. The cost of 2 pencils and 2 pens together is:

- Ans**
- ✓ 1. ₹48
 - ✗ 2. ₹45
 - ✗ 3. ₹32
 - ✗ 4. ₹36

Question Type : **MCQ**

Question ID : **6306801217018**

Option 1 ID : **6306804787488**

Option 2 ID : **6306804787487**

Option 3 ID : **6306804787485**

Option 4 ID : **6306804787486**

Status : **Answered**

Chosen Option : **1**

Q.2 The average of 70 values is 40. If each value is multiplied by 20, what will be the changed average?

- Ans**
- ✗ 1. 60
 - ✗ 2. 90
 - ✓ 3. 800
 - ✗ 4. 1400

Question Type : **MCQ**

Question ID : **6306801216963**

Option 1 ID : **6306804787268**

Option 2 ID : **6306804787266**

Option 3 ID : **6306804787267**

Option 4 ID : **6306804787265**

Status : **Answered**

Chosen Option : **3**

Q.3 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 : 793 :: 679 : Y

- Ans**
- ✓ 1. X = 974, Y = 498
 - ✗ 2. X = 848, Y = 519
 - ✗ 3. X = 886, Y = 443
 - ✗ 4. X = 923, Y = 481

Question Type : **MCQ**

Question ID : **6306801226029**

Option 1 ID : **6306804822164**

Option 2 ID : **6306804822166**

Option 3 ID : **6306804822163**

Option 4 ID : **6306804822165**

Status : **Answered**

Chosen Option : **1**

Q.4 For how many days will the Ashtalakshmi Mahotsav be celebrated in December 2024?

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

Question Type : **MCQ**
 Question ID : **6306801170936**
 Option 1 ID : **6306804603147**
 Option 2 ID : **6306804603145**
 Option 3 ID : **6306804603146**
 Option 4 ID : **6306804603144**
 Status : **Answered**
 Chosen Option : **3**

Q.5 Select the correct statement(s).

- A. Testosterone brings about changes in appearance seen in boys at the time of puberty.
- B. Progesterone brings about changes in appearance seen in boys at the time of puberty.

- Ans**
- ☒ 1. Statement B is true but A is false.
 - ☒ 2. Statement A is true but B is false.
 - ☒ 3. Both the statements are true.
 - ☒ 4. Both the statements are false.

Question Type : **MCQ**
 Question ID : **6306801223140**
 Option 1 ID : **6306804810819**
 Option 2 ID : **6306804810818**
 Option 3 ID : **6306804810820**
 Option 4 ID : **6306804810821**
 Status : **Answered**
 Chosen Option : **2**

Q.6 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

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

How many such symbols are there, each of which is immediately preceded by an even number but not immediately followed by an odd number?

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

Question Type : **MCQ**
 Question ID : **6306801226150**
 Option 1 ID : **6306804822647**
 Option 2 ID : **6306804822649**
 Option 3 ID : **6306804822648**
 Option 4 ID : **6306804822650**
 Status : **Answered**
 Chosen Option : **2**

Q.7 When an iron nail is dipped into a copper sulphate solution, which substance gets displaced?

- Ans**
- ☒ 1. Copper
 - ☐ 2. Iron
 - ☐ 3. Sulphate
 - ☐ 4. Copper Sulphate

Question Type : **MCQ**
 Question ID : **6306801223223**
 Option 1 ID : **6306804811150**
 Option 2 ID : **6306804811151**
 Option 3 ID : **6306804811152**
 Option 4 ID : **6306804811153**
 Status : **Answered**
 Chosen Option : **1**

Q.8 Which of the following statements is INCORRECT about 'nature of a carbon compound'?

- Ans**
- ☐ 1. Compounds of carbon, which are linked by only single bonds between the carbon atoms, are called saturated compounds.
 - ☐ 2. Carbon has the unique ability to form bonds with other atoms of carbon, giving rise to large molecules. This property is called catenation.
 - ☐ 3. Compounds of carbon having double or triple bonds between their carbon atoms are called unsaturated compounds.
 - ☒ 4. Compounds of carbon are only formed with oxygen.

Question Type : **MCQ**
 Question ID : **6306801223259**
 Option 1 ID : **6306804811294**
 Option 2 ID : **6306804811296**
 Option 3 ID : **6306804811295**
 Option 4 ID : **6306804811297**
 Status : **Answered**
 Chosen Option : **4**

Q.9 Anthony starts from Point A and drives 9 km towards West. He takes a left turn, drives 3 km, turns left again and drives 13 km. He then takes a right turn and drives 2 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☐ 1. 13 km towards the West
 - ☐ 2. 7 km towards the South
 - ☒ 3. 5 km towards the North
 - ☐ 4. 9 km towards the North

Question Type : **MCQ**
 Question ID : **6306801225869**
 Option 1 ID : **6306804821523**
 Option 2 ID : **6306804821526**
 Option 3 ID : **6306804821524**
 Option 4 ID : **6306804821525**
 Status : **Answered**
 Chosen Option : **3**

Q.10 Identify the simplest compound formed by carbon that is used widely as fuel.

- Ans
- ☐ 1. Ethane
 - ☐ 2. Propane
 - ☒ 3. Methane
 - ☐ 4. Methyl

Question Type : MCQ

Question ID : 6306801223208

Option 1 ID : 6306804811091

Option 2 ID : 6306804811092

Option 3 ID : 6306804811090

Option 4 ID : 6306804811093

Status : Answered

Chosen Option : 3

Q.11 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. BF – AE
 - ☒ 2. XB – YC
 - ☐ 3. DH – CG
 - ☐ 4. TX – SW

Question Type : MCQ

Question ID : 6306801225919

Option 1 ID : 6306804821725

Option 2 ID : 6306804821723

Option 3 ID : 6306804821724

Option 4 ID : 6306804821726

Status : Answered

Chosen Option : 2

Q.12 What are the basic building units of organisms?

- Ans
- ☐ 1. Tissues
 - ☐ 2. Bones
 - ☒ 3. Cells
 - ☐ 4. Fibres

Question Type : MCQ

Question ID : 6306801223152

Option 1 ID : 6306804810866

Option 2 ID : 6306804810868

Option 3 ID : 6306804810867

Option 4 ID : 6306804810869

Status : Answered

Chosen Option : 3

Q.13 Which of the following teams was the winner of 2nd edition of Women's Premier League?

- Ans
- ☐ 1. Delhi Capitals
 - ☐ 2. Mumbai Indians
 - ☐ 3. UP Warriorz
 - ☒ 4. Royal Challengers Bangalore (Bengaluru)

Question Type : MCQ
Question ID : 6306801172473
Option 1 ID : 6306804609174
Option 2 ID : 6306804609175
Option 3 ID : 6306804609176
Option 4 ID : 6306804609173
Status : Answered
Chosen Option : 4

Q.14 Who became the first woman fighter pilot to join the elite 18 'Flying Bullets' squadron in 2024?

- Ans
- ☒ 1. Mohana Singh
 - ☐ 2. Shivangi Singh
 - ☐ 3. Avani Chaturvedi
 - ☐ 4. Bhawana Kanth

Question Type : MCQ
Question ID : 6306801172235
Option 1 ID : 6306804608248
Option 2 ID : 6306804608249
Option 3 ID : 6306804608246
Option 4 ID : 6306804608247
Status : Answered
Chosen Option : 2

Q.15 When an object falls under gravity, the object experiences:

- Ans
- ☐ 1. a deceleration
 - ☐ 2. a force only when it hits the surface of the earth
 - ☒ 3. an acceleration
 - ☐ 4. no external force

Question Type : MCQ
Question ID : 6306801223283
Option 1 ID : 6306804811391
Option 2 ID : 6306804811393
Option 3 ID : 6306804811390
Option 4 ID : 6306804811392
Status : Answered
Chosen Option : 3

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

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

Ans ☒ 1. More than two

☐ 2. One

☐ 3. Two

☐ 4. Zero

Question Type : **MCQ**

Question ID : **6306801226131**

Option 1 ID : **6306804822574**

Option 2 ID : **6306804822572**

Option 3 ID : **6306804822573**

Option 4 ID : **6306804822571**

Status : **Answered**

Chosen Option : **1**

Q.17 NCPJ is related to PFTO in a certain way based on the English alphabetical order. In the same way, QAVB is related to SDZG. To which of the following options is UIND related, following the same logic?

Ans ☐ 1. XLSI

☐ 2. VKRJ

☒ 3. WLRI

☐ 4. VMRJ

Question Type : **MCQ**

Question ID : **6306801225845**

Option 1 ID : **6306804821429**

Option 2 ID : **6306804821427**

Option 3 ID : **6306804821428**

Option 4 ID : **6306804821430**

Status : **Answered**

Chosen Option : **3**

Q.18 In a country, 55% of the population are females. 80% of the male population is literate. What percentage of females are literate if the total literacy rate is 58%?

Ans ☐ 1. 20%

☐ 2. 45%

☐ 3. 55%

☒ 4. 40%

Question Type : **MCQ**

Question ID : **6306801216858**

Option 1 ID : **6306804786848**

Option 2 ID : **6306804786845**

Option 3 ID : **6306804786846**

Option 4 ID : **6306804786847**

Status : **Answered**

Chosen Option : **4**

Q.19 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?

$$34D54C18A18B324 = ?$$

- Ans**
- ☒ 1. 204
 - ☒ 2. 202
 - ☒ 3. 304
 - ☒ 4. 404

Question Type : **MCQ**

Question ID : **6306801226014**

Option 1 ID : **6306804822104**

Option 2 ID : **6306804822105**

Option 3 ID : **6306804822103**

Option 4 ID : **6306804822106**

Status : **Answered**

Chosen Option : **3**

Q.20 What is the path of an object when it is in uniform motion?

- Ans**
- ☒ 1. A parabola
 - ☒ 2. A circle
 - ☒ 3. An ellipse
 - ☒ 4. A straight line

Question Type : **MCQ**

Question ID : **6306801223335**

Option 1 ID : **6306804811598**

Option 2 ID : **6306804811601**

Option 3 ID : **6306804811599**

Option 4 ID : **6306804811600**

Status : **Answered**

Chosen Option : **2**

Q.21 Which of the following is obtained by subtracting $x^2 - y^2$ from $y^2 - x^2$?

- Ans**
- ☒ 1. $-2(x^2 - y^2)$
 - ☒ 2. $-2(x^2 + y^2)$
 - ☒ 3. $2(x^2 + y^2)$
 - ☒ 4. $2(x^2 - y^2)$

Question Type : **MCQ**

Question ID : **6306801216982**

Option 1 ID : **6306804787341**

Option 2 ID : **6306804787342**

Option 3 ID : **6306804787343**

Option 4 ID : **6306804787344**

Status : **Answered**

Chosen Option : **1**

Q.22 What compound is formed when dilute hydrochloric acid is added to a beaker containing a small amount of copper oxide?

- Ans**
- ☒ 1. Copper (II) Chloride
 - ☐ 2. Copper (IV) Chloride
 - ☐ 3. Copper (III) Chloride
 - ☐ 4. Copper (I) Chloride

Question Type : **MCQ**

Question ID : **6306801223186**

Option 1 ID : **6306804811002**

Option 2 ID : **6306804811003**

Option 3 ID : **6306804811004**

Option 4 ID : **6306804811005**

Status : **Answered**

Chosen Option : **1**

Q.23 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.

WGN : ZDQ

IUZ : LRC

- Ans**
- ☐ 1. URL : STI
 - ☐ 2. DMV : HHZ
 - ☒ 3. CAT : FXW
 - ☐ 4. PXH : LCD

Question Type : **MCQ**

Question ID : **6306801225854**

Option 1 ID : **6306804821466**

Option 2 ID : **6306804821465**

Option 3 ID : **6306804821463**

Option 4 ID : **6306804821464**

Status : **Answered**

Chosen Option : **3**

Q.24 The work done in moving a charge +Q across two points having a potential difference K is:

- Ans**
- ☐ 1. QK/4
 - ☐ 2. 2QK
 - ☐ 3. QK/2
 - ☒ 4. QK

Question Type : **MCQ**

Question ID : **6306801223294**

Option 1 ID : **6306804811437**

Option 2 ID : **6306804811435**

Option 3 ID : **6306804811434**

Option 4 ID : **6306804811436**

Status : **Answered**

Chosen Option : **4**

Q.25 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?

91 D 13 B 4 A 3 C 2 = ?

- Ans**
- ☒ 1. 9
 - ☐ 2. 10
 - ☐ 3. 7
 - ☐ 4. 8

Question Type : **MCQ**

Question ID : **6306801226071**

Option 1 ID : **6306804822333**

Option 2 ID : **6306804822334**

Option 3 ID : **6306804822331**

Option 4 ID : **6306804822332**

Status : **Answered**

Chosen Option : **1**

Q.26 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 parrots are monkeys.

Some bears are monkeys.

Conclusions:

(I) All bears are parrots.

(II) Some monkeys are not bears.

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

Question Type : **MCQ**

Question ID : **6306801225825**

Option 1 ID : **6306804821347**

Option 2 ID : **6306804821350**

Option 3 ID : **6306804821348**

Option 4 ID : **6306804821349**

Status : **Answered**

Chosen Option : **4**

Q.27 A vendor sold 10 toffees for a rupee, thereby gaining 20%. How many did he buy for a rupee?

- Ans**
- ☐ 1. 10
 - ☐ 2. 6
 - ☐ 3. 8
 - ☒ 4. 12

Question Type : **MCQ**

Question ID : **6306801216868**

Option 1 ID : **6306804786887**

Option 2 ID : **6306804786885**

Option 3 ID : **6306804786886**

Option 4 ID : **6306804786888**

Status : **Answered**

Chosen Option : **4**

Q.28 In a certain code language, 'GLOBE' is coded as '84315', 'GRADE' is coded as '89265', and 'BAKED' is coded as '12756'. What is the code for 'R' in the given code language?

- Ans**
- ☒ 1. 2
 - ☒ 2. 6
 - ☒ 3. 8
 - ☒ 4. 9

Question Type : **MCQ**

Question ID : **6306801225961**

Option 1 ID : **6306804821892**

Option 2 ID : **6306804821891**

Option 3 ID : **6306804821893**

Option 4 ID : **6306804821894**

Status : **Answered**

Chosen Option : **4**

Q.29 All 36 people are standing in a row, facing north. Aman is 11th from the left end, while Pratha is 12th from the right end. How many people are there between Aman and Pratha?

- Ans**
- ☒ 1. 13
 - ☒ 2. 10
 - ☒ 3. 15
 - ☒ 4. 18

Question Type : **MCQ**

Question ID : **6306801225992**

Option 1 ID : **6306804822016**

Option 2 ID : **6306804822017**

Option 3 ID : **6306804822018**

Option 4 ID : **6306804822015**

Status : **Answered**

Chosen Option : **1**

Q.30 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

LNR, MOS, NPT, OQU, ?

- Ans**
- ☒ 1. VRP
 - ☒ 2. VPR
 - ☒ 3. PVR
 - ☒ 4. PRV

Question Type : **MCQ**

Question ID : **6306801226111**

Option 1 ID : **6306804822491**

Option 2 ID : **6306804822492**

Option 3 ID : **6306804822493**

Option 4 ID : **6306804822494**

Status : **Answered**

Chosen Option : **4**

Q.31 Which of the following is a prime number?

- Ans ☒ 1. 373
☒ 2. 437
☒ 3. 221
☒ 4. 161

Question Type : MCQ
 Question ID : 6306801216819
 Option 1 ID : 6306804786691
 Option 2 ID : 6306804786692
 Option 3 ID : 6306804786690
 Option 4 ID : 6306804786689
 Status : Answered
 Chosen Option : 1

Q.32 Where was the Fifth Global Standards Symposium (GSS-24) held?

- Ans ☒ 1. Bengaluru
☒ 2. Chennai
☒ 3. Mumbai
☒ 4. New Delhi

Question Type : MCQ
 Question ID : 6306801171740
 Option 1 ID : 6306804606326
 Option 2 ID : 6306804606327
 Option 3 ID : 6306804606325
 Option 4 ID : 6306804606324
 Status : Answered
 Chosen Option : 4

Q.33 Study the following table and answer the question.

The table shows the number of people who visited hill stations A and B in the years from 2011 to 2013.

Year	A	B
2011	777	566
2012	675	289
2013	470	978

What is the absolute difference between the number of people who visited hill station A in the year 2011 to the number of people who visited hill station B in the same year?

- Ans ☒ 1. 211
☒ 2. 102
☒ 3. 312
☒ 4. 112

Question Type : MCQ
 Question ID : 6306801225976
 Option 1 ID : 6306804821953
 Option 2 ID : 6306804821951
 Option 3 ID : 6306804821954
 Option 4 ID : 6306804821952
 Status : Answered
 Chosen Option : 1

Q.34 The average of the prime numbers between 11 and 30, both excluded, is:

- Ans ☒ 1. 20.2
☐ 2. 19.6
☐ 3. 19.5
☐ 4. 20.3

Question Type : MCQ

Question ID : 6306801216962

Option 1 ID : 6306804787263

Option 2 ID : 6306804787262

Option 3 ID : 6306804787261

Option 4 ID : 6306804787264

Status : Answered

Chosen Option : 1

Q.35 Which of the following options gives the correct expression for y, when $\frac{\cos^2 A}{1 - \sin A} = y$, and $\sin A \neq 1$?

- Ans ☐ 1. $\sec A + \tan A$
☐ 2. $\operatorname{cosec} A$
☒ 3. $\sin A + 1$
☐ 4. $\cos A + 1$

Question Type : MCQ

Question ID : 6306801217066

Option 1 ID : 6306804787680

Option 2 ID : 6306804787679

Option 3 ID : 6306804787677

Option 4 ID : 6306804787678

Status : Answered

Chosen Option : 3

Q.36 Which of the following numbers represent the atomic mass of calcium?

- Ans ☐ 1. 14 u
☐ 2. 32 u
☒ 3. 40 u
☐ 4. 16 u

Question Type : MCQ

Question ID : 6306801223265

Option 1 ID : 6306804811318

Option 2 ID : 6306804811320

Option 3 ID : 6306804811321

Option 4 ID : 6306804811319

Status : Answered

Chosen Option : 3

Q.37 When white light is dispersed by a glass prism into seven colours, out of the following colours which colour will be deviated the least?

- Ans**
- ☒ 1. Green
 - ☒ 2. Indigo
 - ☒ 3. Blue
 - ☒ 4. Yellow

Question Type : **MCQ**

Question ID : **6306801223316**

Option 1 ID : **6306804811524**

Option 2 ID : **6306804811522**

Option 3 ID : **6306804811523**

Option 4 ID : **6306804811525**

Status : **Answered**

Chosen Option : **4**

Q.38 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

UZW, TYV, SXU, RWT, ?

- Ans**
- ☒ 1. QVS
 - ☒ 2. SVQ
 - ☒ 3. SQV
 - ☒ 4. QSV

Question Type : **MCQ**

Question ID : **6306801226109**

Option 1 ID : **6306804822485**

Option 2 ID : **6306804822483**

Option 3 ID : **6306804822484**

Option 4 ID : **6306804822486**

Status : **Answered**

Chosen Option : **1**

Q.39 As per Women, Business and the Law 2024 (WBL2024), India scores ____ out of 100.0.

- Ans**
- ☒ 1. 74.4
 - ☒ 2. 71.4
 - ☒ 3. 75.4
 - ☒ 4. 70.4

Question Type : **MCQ**

Question ID : **6306801164269**

Option 1 ID : **6306804576310**

Option 2 ID : **6306804576308**

Option 3 ID : **6306804576309**

Option 4 ID : **6306804576307**

Status : **Not Answered**

Chosen Option : **--**

Q.40 The present ages of three persons are in ratio 4 : 5 : 6. Eight years ago, the sum of their ages was 51. Find the present age of the eldest person.

- Ans**
- ☒ 1. 36 years
 - ☒ 2. 28 years
 - ☒ 3. 45 years
 - ☒ 4. 30 years

Question Type : **MCQ**

Question ID : **6306801217001**

Option 1 ID : **6306804787419**

Option 2 ID : **6306804787417**

Option 3 ID : **6306804787420**

Option 4 ID : **6306804787418**

Status : **Answered**

Chosen Option : **4**

Q.41 Find the simple interest on ₹3,000 as a sum borrowed at 4% per year rate of interest for 5 years.

- Ans**
- ☒ 1. ₹400
 - ☒ 2. ₹300
 - ☒ 3. ₹600
 - ☒ 4. ₹800

Question Type : **MCQ**

Question ID : **6306801216898**

Option 1 ID : **6306804787006**

Option 2 ID : **6306804787005**

Option 3 ID : **6306804787007**

Option 4 ID : **6306804787008**

Status : **Answered**

Chosen Option : **3**

Q.42 In a certain code language, 'CODE' is coded as '5739' and 'LEGS' is coded as '4256'. What is the code for 'E' in the given code language?

- Ans**
- ☒ 1. 2
 - ☒ 2. 6
 - ☒ 3. 9
 - ☒ 4. 5

Question Type : **MCQ**

Question ID : **6306801225792**

Option 1 ID : **6306804821216**

Option 2 ID : **6306804821217**

Option 3 ID : **6306804821215**

Option 4 ID : **6306804821218**

Status : **Answered**

Chosen Option : **4**

Q.43 What is the name of the project launched by the Ministry of Culture in 2024 to showcase India's artistic heritage through public art installations?

- Ans**
- ☒ 1. Project KALA
 - ☒ 2. Project PARI
 - ☒ 3. Project BHARATI
 - ☒ 4. Project SANSKRITI

Question Type : **MCQ**
 Question ID : **6306801172954**
 Option 1 ID : **6306804611060**
 Option 2 ID : **6306804611059**
 Option 3 ID : **6306804611061**
 Option 4 ID : **6306804611058**
 Status : **Answered**
 Chosen Option : **1**

Q.44 If $48 : x :: x : 75$, and $x > 0$, then what is the value of x ?

- Ans**
- ☒ 1. 51
 - ☒ 2. 60
 - ☒ 3. 57
 - ☒ 4. 63

Question Type : **MCQ**
 Question ID : **6306801216918**
 Option 1 ID : **6306804787086**
 Option 2 ID : **6306804787085**
 Option 3 ID : **6306804787088**
 Option 4 ID : **6306804787087**
 Status : **Answered**
 Chosen Option : **2**

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. YI – TD
 - ☒ 2. SC – NX
 - ☒ 3. LV – GQ
 - ☒ 4. AK – VH

Question Type : **MCQ**
 Question ID : **6306801225949**
 Option 1 ID : **6306804821844**
 Option 2 ID : **6306804821845**
 Option 3 ID : **6306804821843**
 Option 4 ID : **6306804821846**
 Status : **Answered**
 Chosen Option : **4**

Q.46 The Public Examinations (Prevention of Unfair Means) Act, 2024 that aims to prevent unfair means in public examinations and common entrance tests held across the country, came into effect in which month of 2024?

- Ans ☒ 1. June
☐ 2. August
☐ 3. May
☐ 4. July

Question Type : **MCQ**
Question ID : **6306801170912**
Option 1 ID : **6306804603053**
Option 2 ID : **6306804603055**
Option 3 ID : **6306804603052**
Option 4 ID : **6306804603054**
Status : **Answered**
Chosen Option : **4**

Q.47 The power of a body can be measured in both Kilowatt (KW) as well as Watt(W). Then the value of 1 KW in terms of Watt is:

- Ans ☐ 1. 100
☐ 2. 10000
☒ 3. 1000
☐ 4. 10

Question Type : **MCQ**
Question ID : **6306801223359**
Option 1 ID : **6306804811695**
Option 2 ID : **6306804811697**
Option 3 ID : **6306804811694**
Option 4 ID : **6306804811696**
Status : **Answered**
Chosen Option : **3**

Q.48 If each vowel in the word ENGLISH 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 second position from the left in the new group of letters thus formed?

- Ans ☐ 1. R
☐ 2. J
☐ 3. F
☒ 4. M

Question Type : **MCQ**
Question ID : **6306801226094**
Option 1 ID : **6306804822425**
Option 2 ID : **6306804822426**
Option 3 ID : **6306804822423**
Option 4 ID : **6306804822424**
Status : **Answered**
Chosen Option : **4**

Q.49 ICICI Bank has partnered with which of the following agencies in October 2024 to provide instant credit on UPI for pre-approved customers, offering up to ₹2 lakh credit with a 45-day repayment period?

- Ans
- ☒ 1. Google Pay
 - ☒ 2. BharatPe
 - ☒ 3. PhonePe
 - ☒ 4. Paytm

Question Type : MCQ

Question ID : 6306801170637

Option 1 ID : 6306804601968

Option 2 ID : 6306804601970

Option 3 ID : 6306804601971

Option 4 ID : 6306804601969

Status : Not Answered

Chosen Option : --

Q.50 In colloids, which of the following is a correct example of foam?

- Ans
- ☒ 1. Pumice
 - ☒ 2. Fog
 - ☒ 3. Jelly
 - ☒ 4. Mist

Question Type : MCQ

Question ID : 6306801223245

Option 1 ID : 6306804811238

Option 2 ID : 6306804811241

Option 3 ID : 6306804811239

Option 4 ID : 6306804811240

Status : Answered

Chosen Option : 3

Q.51 _____ was awarded the Green Energy Champion Award for 2023-24 at a meeting hosted by the Indian Wind Power Association in Coimbatore on 18 August 2024.

- Ans
- ☒ 1. Kerala
 - ☒ 2. Andhra Pradesh
 - ☒ 3. Gujarat
 - ☒ 4. Uttar Pradesh

Question Type : MCQ

Question ID : 6306801163077

Option 1 ID : 6306804571594

Option 2 ID : 6306804571591

Option 3 ID : 6306804571592

Option 4 ID : 6306804571593

Status : Answered

Chosen Option : 3

Q.52 Using $\pi = \frac{22}{7}$, find the total surface area of a closed cylinder having a base radius of 70 m and height of 110 m.

- Ans**
- ☒ 1. 78,500 m²
 - ☒ 2. 82,400 m²
 - ☒ 3. 79,200 m²
 - ☒ 4. 82,500 m²

Question Type : **MCQ**

Question ID : **6306801217031**

Option 1 ID : **6306804787539**

Option 2 ID : **6306804787538**

Option 3 ID : **6306804787540**

Option 4 ID : **6306804787537**

Status : **Answered**

Chosen Option : **3**

Q.53 A scheme like 'Buy 5, Get 6' on the same kind of articles with the same marked price offers a _____ discount.

- Ans**
- ☒ 1. $11\frac{1}{9}\%$
 - ☒ 2. 17.5%
 - ☒ 3. 20%
 - ☒ 4. $16\frac{2}{3}\%$

Question Type : **MCQ**

Question ID : **6306801216894**

Option 1 ID : **6306804786991**

Option 2 ID : **6306804786992**

Option 3 ID : **6306804786989**

Option 4 ID : **6306804786990**

Status : **Answered**

Chosen Option : **4**

Q.54 How many medals were secured by India in Paris Olympics 2024?

- Ans**
- ☒ 1. Six
 - ☒ 2. Three
 - ☒ 3. Five
 - ☒ 4. Four

Question Type : **MCQ**

Question ID : **6306801170505**

Option 1 ID : **6306804601439**

Option 2 ID : **6306804601436**

Option 3 ID : **6306804601438**

Option 4 ID : **6306804601437**

Status : **Answered**

Chosen Option : **1**

Q.55 Seven people, A, B, C, D, E, F and G are sitting in a straight line, facing north.

Only two people sit to the left of F. F sits second to the right of G. E sits second to the right of F. C sits fourth to the right of B. D sits second to the left of C. A sits an immediate right of C.

How many people sit between B and G?

- Ans**
- ☒ 1. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☐ 4. One

Question Type : **MCQ**

Question ID : **6306801225968**

Option 1 ID : **6306804821921**

Option 2 ID : **6306804821919**

Option 3 ID : **6306804821922**

Option 4 ID : **6306804821920**

Status : **Answered**

Chosen Option : **2**

Q.56 Particles of matter are continuously moving because of _____.

- Ans**
- ☒ 1. kinetic energy
 - ☐ 2. potential energy
 - ☐ 3. size of particles
 - ☐ 4. intermixing of particles

Question Type : **MCQ**

Question ID : **6306801223271**

Option 1 ID : **6306804811342**

Option 2 ID : **6306804811343**

Option 3 ID : **6306804811345**

Option 4 ID : **6306804811344**

Status : **Answered**

Chosen Option : **1**

Q.57 Identify the INCORRECT sentence(s).

- a. Some organisms use simple food material obtained from inorganic sources in the form of carbon dioxide and water.
- b. Other organisms utilise complex substances which are broken down into simpler ones before they can be used for the upkeep and growth of the body.
- c. Heterotrophic organisms include plants.

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

Question Type : **MCQ**

Question ID : **6306801223173**

Option 1 ID : **6306804810950**

Option 2 ID : **6306804810953**

Option 3 ID : **6306804810951**

Option 4 ID : **6306804810952**

Status : **Answered**

Chosen Option : **4**

Q.58 If the number 6484a6 is divisible by 8, then find the least value of a.

- Ans
- ☒ 1. 0
 - ☒ 2. 3
 - ☒ 3. 1
 - ☒ 4. 7

Question Type : MCQ

Question ID : 6306801216815

Option 1 ID : 6306804786673

Option 2 ID : 6306804786675

Option 3 ID : 6306804786674

Option 4 ID : 6306804786676

Status : Answered

Chosen Option : 3

Q.59 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 : 826 :: 723 : Y

- Ans
- ☒ 1. X = 604, Y = 1018
 - ☒ 2. X = 518, Y = 984
 - ☒ 3. X = 593, Y = 941
 - ☒ 4. X = 542, Y = 1007

Question Type : MCQ

Question ID : 6306801226026

Option 1 ID : 6306804822152

Option 2 ID : 6306804822151

Option 3 ID : 6306804822154

Option 4 ID : 6306804822153

Status : Answered

Chosen Option : 4

Q.60 Metabolic activities that generate nitrogenous waste material in human being are removed by:

- Ans
- ☒ 1. the excretory system
 - ☒ 2. the respiratory system
 - ☒ 3. the circulatory system
 - ☒ 4. the vascular system

Question Type : MCQ

Question ID : 6306801223185

Option 1 ID : 6306804810999

Option 2 ID : 6306804811001

Option 3 ID : 6306804810998

Option 4 ID : 6306804811000

Status : Answered

Chosen Option : 1

Q.61 Seven people, A, B, C, D, E, F and G are sitting in a straight line, facing north.

Only two people sit to the left of D. F sits second to the left of D. G sits second to the right of E. E sits second to the right of D. A sits second to the left of B. A is not an immediate neighbour of F.

Who sits at the extreme right end of the line?

Ans ☒ 1. G

☐ 2. C

☐ 3. A

☐ 4. B

Question Type : **MCQ**

Question ID : **6306801225969**

Option 1 ID : **6306804821926**

Option 2 ID : **6306804821924**

Option 3 ID : **6306804821925**

Option 4 ID : **6306804821923**

Status : **Answered**

Chosen Option : **1**

Q.62 In the female reproductive organ of flower, the swollen bottom part is the _____, middle elongated part is the _____ and the terminal part that may be sticky is the stigma.

Ans ☐ 1. bud, style

☒ 2. ovary, style

☐ 3. zygote, pollen tube

☐ 4. style, ovary

Question Type : **MCQ**

Question ID : **6306801223146**

Option 1 ID : **6306804810844**

Option 2 ID : **6306804810842**

Option 3 ID : **6306804810845**

Option 4 ID : **6306804810843**

Status : **Answered**

Chosen Option : **2**

Q.63 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 kites are monkeys.

All monkeys are ants

Conclusions:

(I) Some ants are kites.

(II) Some monkeys are not kites.

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 : **6306801225830**

Option 1 ID : **6306804821367**

Option 2 ID : **6306804821370**

Option 3 ID : **6306804821369**

Option 4 ID : **6306804821368**

Status : **Answered**

Chosen Option : **1**

Q.64 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 N related to S if 'N - P # S x T'?

Ans

- ✗ 1. Father's mother
- ✓ 2. Mother's brother
- ✗ 3. Father's brother
- ✗ 4. Father's father's brother

Question Type : **MCQ**

Question ID : **6306801225939**

Option 1 ID : **6306804821803**

Option 2 ID : **6306804821805**

Option 3 ID : **6306804821804**

Option 4 ID : **6306804821806**

Status : **Answered**

Chosen Option : **2**

Q.65 The length of the base of a triangle is equal to the perimeter of a square whose diagonal is $7\sqrt{2}$ cm and the corresponding height of the triangle is equal to the length of a side of the square whose area is 169 sq cm. The area (in sq cm) of the triangle is:

- Ans**
- ☒ 1. 156
 - ☒ 2. 182
 - ☒ 3. 130
 - ☒ 4. 152

Question Type : **MCQ**

Question ID : **6306801217035**

Option 1 ID : **6306804787556**

Option 2 ID : **6306804787555**

Option 3 ID : **6306804787553**

Option 4 ID : **6306804787554**

Status : **Answered**

Chosen Option : **2**

Q.66 Consider a long current carrying solenoid. If Rahul plots the magnetic field lines inside this long current carrying solenoid, then it appears:

- Ans**
- ☒ 1. uniform at all points
 - ☒ 2. to increase from one end to another
 - ☒ 3. denser in the middle
 - ☒ 4. denser at the ends

Question Type : **MCQ**

Question ID : **6306801223304**

Option 1 ID : **6306804811477**

Option 2 ID : **6306804811476**

Option 3 ID : **6306804811475**

Option 4 ID : **6306804811474**

Status : **Answered**

Chosen Option : **1**

Q.67 I walk at a speed of 10 km/h and reach the destination in 2 hrs, exactly on time. If I increase my speed by 5 km/h, how early would I reach my destination?

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

Question Type : **MCQ**

Question ID : **6306801216931**

Option 1 ID : **6306804787140**

Option 2 ID : **6306804787137**

Option 3 ID : **6306804787139**

Option 4 ID : **6306804787138**

Status : **Answered**

Chosen Option : **3**

Q.68 An object is placed between the focus and the pole of a concave mirror, the image formed will be:

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

Question Type : **MCQ**

Question ID : **6306801223361**

Option 1 ID : **6306804811705**

Option 2 ID : **6306804811703**

Option 3 ID : **6306804811704**

Option 4 ID : **6306804811702**

Status : **Answered**

Chosen Option : **1**

Q.69 What is the position of the apical meristematic tissue in a plant body?

- Ans**
- ☒ 1. Near to the root region only
 - ☒ 2. Near the node
 - ☒ 3. At the growing tips of the stems and roots
 - ☒ 4. On the lateral side of the stem and roots

Question Type : **MCQ**

Question ID : **6306801223114**

Option 1 ID : **6306804810717**

Option 2 ID : **6306804810715**

Option 3 ID : **6306804810714**

Option 4 ID : **6306804810716**

Status : **Answered**

Chosen Option : **3**

Q.70 In this question, two statements, I and II, have been given. These statements maybe independent causes, or effects of independent causes or a common cause. One of the statements maybe the effect of the other statement. Read both the statements and select the correct answer.

I. Most teachers of school X have left the school and joined school Y.

II. The football team of school X has won the champion's trophy in the inter-city football championship.

- Ans**
- ☒ 1. I is the cause and II is its possible effect.
 - ☒ 2. II is the cause and I is its possible effect.
 - ☒ 3. Both I and II are effects of independent causes.
 - ☒ 4. Both I and II are independent causes.

Question Type : **MCQ**

Question ID : **6306801225922**

Option 1 ID : **6306804821735**

Option 2 ID : **6306804821736**

Option 3 ID : **6306804821738**

Option 4 ID : **6306804821737**

Status : **Answered**

Chosen Option : **3**

Q.71 Two students appeared in an examination. One of them secured 9 marks more than the other and his marks were 56% of the sum of their marks. The marks obtained by them were:

- Ans**
- ☒ 1. 43 and 34
 - ☒ 2. 41 and 32
 - ☒ 3. 42 and 33
 - ☒ 4. 39 and 30

Question Type : **MCQ**
 Question ID : **6306801216840**
 Option 1 ID : **6306804786776**
 Option 2 ID : **6306804786774**
 Option 3 ID : **6306804786775**
 Option 4 ID : **6306804786773**
 Status : **Answered**
 Chosen Option : **3**

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

7 13 25 ? 97 193

- Ans**
- ☒ 1. 32
 - ☒ 2. 35
 - ☒ 3. 39
 - ☒ 4. 49

Question Type : **MCQ**
 Question ID : **6306801226084**
 Option 1 ID : **6306804822383**
 Option 2 ID : **6306804822384**
 Option 3 ID : **6306804822385**
 Option 4 ID : **6306804822386**
 Status : **Answered**
 Chosen Option : **4**

Q.73 If, in the quadrilateral JKLM, the measures of the angles J, K, L, and M are in the ratio 2 : 3 : 5 : 6, then the quadrilateral is a:

- Ans**
- ☒ 1. parallelogram
 - ☒ 2. square
 - ☒ 3. trapezium
 - ☒ 4. Kite

Question Type : **MCQ**
 Question ID : **6306801217062**
 Option 1 ID : **6306804787663**
 Option 2 ID : **6306804787661**
 Option 3 ID : **6306804787664**
 Option 4 ID : **6306804787662**
 Status : **Answered**
 Chosen Option : **1**

Q.74 A and B can together complete a piece of work in 5 days. They worked together for 4 days and then B left. After another 2 days, A completed the remaining work. In how many days can A complete the entire work alone?

- Ans** ☒ 1. 10
☐ 2. 15
☐ 3. 5
☐ 4. 20

Question Type : **MCQ**

Question ID : **6306801216952**

Option 1 ID : **6306804787221**

Option 2 ID : **6306804787224**

Option 3 ID : **6306804787223**

Option 4 ID : **6306804787222**

Status : **Answered**

Chosen Option : **1**

Q.75 The smallest natural number that must be multiplied with 1083 to make it a perfect square is:

- Ans** ☐ 1. 4
☒ 2. 3
☐ 3. 2
☐ 4. 11

Question Type : **MCQ**

Question ID : **6306801216803**

Option 1 ID : **6306804786626**

Option 2 ID : **6306804786627**

Option 3 ID : **6306804786628**

Option 4 ID : **6306804786625**

Status : **Answered**

Chosen Option : **2**