



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



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Kanuru Village
Test Date	28/11/2024
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 Which of the following is a cup-shaped part of nephron with which each capillary cluster in the kidney is associated?

- Ans
- 1. Glomerulus
 - 2. Proximal convoluted tubule
 - 3. Bowman's capsule
 - 4. Distal convoluted tubule

Question Type : MCQ
Question ID : 6306801223160
Option 1 ID : 6306804810899
Option 2 ID : 6306804810898
Option 3 ID : 6306804810900
Option 4 ID : 6306804810901
Status : Answered
Chosen Option : 3

Q.2 Which of the following teams was the winner of the 17th Edition of Indian Premier league in 2024?

- Ans
- 1. Mumbai Indians
 - 2. Kolkata Knightriders
 - 3. Gujarat Titans
 - 4. Delhi Capitals

Question Type : MCQ
Question ID : 6306801169263
Option 1 ID : 6306804596473
Option 2 ID : 6306804596474
Option 3 ID : 6306804596476
Option 4 ID : 6306804596475
Status : Answered
Chosen Option : 2

Q.3 What happens when acid is mixed with water?

- Ans
- 1.
It will decrease the concentration of hydronium ions per unit volume.
 - 2. There will be no effect on the concentration of ions.
 - 3.
It will increase the concentration of hydronium ions per unit volume.
 - 4.
It will increase the concentration of hydroxyl ions per unit volume.

Question Type : MCQ
Question ID : 6306801223249
Option 1 ID : 6306804811254
Option 2 ID : 6306804811257
Option 3 ID : 6306804811255
Option 4 ID : 6306804811256
Status : Marked For Review
Chosen Option : 1

Q.4 What type of reaction occurs when limestone gets converted into quicklime on heating?

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

Question Type : **MCQ**
Question ID : **6306801223221**
Option 1 ID : **6306804811145**
Option 2 ID : **6306804811142**
Option 3 ID : **6306804811143**
Option 4 ID : **6306804811144**
Status : **Answered**
Chosen Option : **4**

Q.5 On which date did India and the USA sign their first-ever Cultural Property Agreement (CPA)?

- Ans
- 1. 10 August 2024
 - 2. 15 May 2024
 - 3. 26 July 2024
 - 4. 20 June 2024

Question Type : **MCQ**
Question ID : **6306801170814**
Option 1 ID : **6306804602663**
Option 2 ID : **6306804602660**
Option 3 ID : **6306804602662**
Option 4 ID : **6306804602661**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.6 On 26 June 2024, the Defence Research and Development Organisation (DRDO) handed over which of the following to the Indian Navy?

- Ans
- 1. Long Range Surface-to-Air Missile
 - 2. Anti-Submarine Warfare Helicopter
 - 3. Medium Range-Microwave Obscurant Chaff Rocket (MR-MOCR)
 - 4. Advanced Torpedo

Question Type : **MCQ**
Question ID : **6306801171444**
Option 1 ID : **6306804605142**
Option 2 ID : **6306804605145**
Option 3 ID : **6306804605144**
Option 4 ID : **6306804605143**
Status : **Answered**
Chosen Option : **2**

Q.7 In a certain code language, 'PING' is coded as '7953' and 'NOSE' is coded as '4638'. What is the code for 'N' in the given code language?

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

Question Type : **MCQ**
Question ID : **6306801225794**
Option 1 ID : **6306804821223**
Option 2 ID : **6306804821226**
Option 3 ID : **6306804821224**
Option 4 ID : **6306804821225**
Status : **Answered**
Chosen Option : **3**

Q.8 Pradhan Mantri Janjatiya Unnat Gram Abhiyan will improve the socio-economic condition of tribal communities, covering around _____ villages as per Union Budget 2024-25.

- Ans**
- 1. 56,000
 - 2. 76,000
 - 3. 63,000
 - 4. 53,000

Question Type : **MCQ**
Question ID : **6306801163286**
Option 1 ID : **6306804572427**
Option 2 ID : **6306804572428**
Option 3 ID : **6306804572429**
Option 4 ID : **6306804572430**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.9 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. ZT - PG
 - 2. BV - GA
 - 3. XR - CW
 - 4. TN - YS

Question Type : **MCQ**
Question ID : **6306801225946**
Option 1 ID : **6306804821831**
Option 2 ID : **6306804821834**
Option 3 ID : **6306804821833**
Option 4 ID : **6306804821832**
Status : **Answered**
Chosen Option : **1**

Q.10 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 ribbons are balloons.

Some balloons are eagles.

Conclusions:

(I) All eagles are ribbons.

(II) No ribbons are eagles.

- 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 : **6306801225835**

Option 1 ID : **6306804821387**

Option 2 ID : **6306804821390**

Option 3 ID : **6306804821388**

Option 4 ID : **6306804821389**

Status : **Answered**

Chosen Option : **4**

Q.11 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 trees are flowers.

All flowers are leaves.

Conclusions:

(I) All leaves are trees.

(II) All flowers are trees.

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

Question Type : **MCQ**

Question ID : **6306801225895**

Option 1 ID : **6306804821628**

Option 2 ID : **6306804821630**

Option 3 ID : **6306804821627**

Option 4 ID : **6306804821629**

Status : **Answered**

Chosen Option : **4**

Q.12 The sum of five consecutive even numbers is 3720. The sum of the third largest and the largest even numbers among them is:

- Ans**
- 1. 1392
 - 2. 1492
 - 3. 1488
 - 4. 1388

Question Type : **MCQ**
Question ID : **6306801217019**
Option 1 ID : **6306804787489**
Option 2 ID : **6306804787490**
Option 3 ID : **6306804787492**
Option 4 ID : **6306804787491**
Status : **Answered**
Chosen Option : **2**

Q.13 The sum of the first 8 prime numbers divided by 7 is equal to _____.

- Ans**
- 1. 13
 - 2. 11
 - 3. 10
 - 4. 14

Question Type : **MCQ**
Question ID : **6306801216821**
Option 1 ID : **6306804786699**
Option 2 ID : **6306804786697**
Option 3 ID : **6306804786698**
Option 4 ID : **6306804786700**
Status : **Answered**
Chosen Option : **2**

Q.14 If the perimeters of two similar triangles ABC and DEF are 75 cm and 40 cm respectively, and if \overline{BC} is 15 cm, then the length of \overline{EF} is:

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

Question Type : **MCQ**
Question ID : **6306801217059**
Option 1 ID : **6306804787651**
Option 2 ID : **6306804787649**
Option 3 ID : **6306804787650**
Option 4 ID : **6306804787652**
Status : **Answered**
Chosen Option : **1**

Q.15 Venu starts from Point Y and drives 7 km towards south. He then takes a left turn, drives 15 km, turns right and drives 38 km. He then takes a left turn and drives 13 km. He takes a left turn, drives 31 km. He then turns left, drives 28km, turns left and drives 13 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90 degrees turns only unless specified)

- Ans**
- 1. 24 km towards south
 - 2. 20 km towards south
 - 3. 28 km towards east
 - 4. 27 km towards north

Question Type : **MCQ**
Question ID : **6306801225865**
Option 1 ID : **6306804821510**
Option 2 ID : **6306804821507**
Option 3 ID : **6306804821509**
Option 4 ID : **6306804821508**
Status : **Answered**
Chosen Option : **4**

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

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

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

Question Type : **MCQ**
Question ID : **6306801226145**
Option 1 ID : **6306804822630**
Option 2 ID : **6306804822629**
Option 3 ID : **6306804822627**
Option 4 ID : **6306804822628**
Status : **Answered**
Chosen Option : **3**

Q.17 The atomic radius of a hydrogen atom is:

- Ans**
- 1. 10^{-10} m
 - 2. 10^{-7} m
 - 3. 10^{-9} m
 - 4. 10^{-8} m

Question Type : **MCQ**
Question ID : **6306801223264**
Option 1 ID : **6306804811314**
Option 2 ID : **6306804811317**
Option 3 ID : **6306804811315**
Option 4 ID : **6306804811316**
Status : **Marked For Review**
Chosen Option : **4**

Q.18 What repo rate was declared by the Reserve Bank of India's Monetary Policy Committee (MPC) on 9th October 2024?

- Ans
- 1. 6.25%
 - 2. 6.75%
 - 3. 6.50%
 - 4. 6.10%

Question Type : **MCQ**
Question ID : **6306801170704**
Option 1 ID : **6306804602221**
Option 2 ID : **6306804602223**
Option 3 ID : **6306804602222**
Option 4 ID : **6306804602220**
Status : **Answered**
Chosen Option : **1**

Q.19 Study the following table and answer the question.

The table depicts the number of cars and bikes manufactured by a company in the year 2012 and 2013.

Years	Number of cars (In Thousand)	Number of bikes (In Thousand)
2012	45	50
2013	40	60

How many cars (In Thousand) were manufactured in the year 2012 and 2013 together?

- Ans
- 1. 85
 - 2. 75
 - 3. 105
 - 4. 95

Question Type : **MCQ**
Question ID : **6306801225982**
Option 1 ID : **6306804821976**
Option 2 ID : **6306804821975**
Option 3 ID : **6306804821978**
Option 4 ID : **6306804821977**
Status : **Answered**
Chosen Option : **1**

Q.20 FKUZ is related to CORD in a certain way based on the English alphabetical order. In the same way, QJKH is related to NNHL. To which of the following options is JIBP related, following the same logic?

- Ans
- 1. GMYT
 - 2. HOZS
 - 3. FNAT
 - 4. HMZU

Question Type : **MCQ**
Question ID : **6306801225849**
Option 1 ID : **6306804821444**
Option 2 ID : **6306804821446**
Option 3 ID : **6306804821445**
Option 4 ID : **6306804821443**
Status : **Answered**
Chosen Option : **1**

Q.21 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '/' are interchanged?

$$8 \times 2 + 3 - 2 + 6 = ?$$

- Ans**
- 1. 12
 - 2. 11
 - 3. 13
 - 4. 14

Question Type : **MCQ**
Question ID : **6306801226076**
Option 1 ID : **6306804822352**
Option 2 ID : **6306804822351**
Option 3 ID : **6306804822353**
Option 4 ID : **6306804822354**
Status : **Answered**
Chosen Option : **3**

Q.22 For current carrying circular loop, the field strength is:

- Ans**
- 1. maximum at the periphery
 - 2. undetermined at the periphery
 - 3. maximum at the centre
 - 4. minimum at the centre

Question Type : **MCQ**
Question ID : **6306801223306**
Option 1 ID : **6306804811484**
Option 2 ID : **6306804811485**
Option 3 ID : **6306804811482**
Option 4 ID : **6306804811483**
Status : **Answered**
Chosen Option : **3**

Q.23 The ages of Anita and Sunita differ by 30 years. If 5 years ago, Anita was 3 times as old as Sunita, then the present age of Sunita is:

- Ans**
- 1. 25 years
 - 2. 30 years
 - 3. 35 years
 - 4. 20 years

Question Type : **MCQ**
Question ID : **6306801216997**
Option 1 ID : **6306804787403**
Option 2 ID : **6306804787402**
Option 3 ID : **6306804787404**
Option 4 ID : **6306804787401**
Status : **Answered**
Chosen Option : **4**

Q.24 When did the Department for Promotion of Industry and Internal Trade (DPIIT) organise the Startup India Innovation Week 2024?

- Ans
- 1. 13 January 2024 to 21 January 2024
 - 2. 12 January 2024 to 20 January 2024
 - 3. 11 January 2024 to 19 January 2024
 - 4. 10 January 2024 to 18 January 2024

Question Type : **MCQ**
Question ID : **6306801173001**
Option 1 ID : **6306804611249**
Option 2 ID : **6306804611248**
Option 3 ID : **6306804611247**
Option 4 ID : **6306804611246**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.25 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. E sits third from the left end. Only three people sit between G and E. B is the immediate neighbour of C and F. D sits second to the left of C.

How many people sit between A and F?

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

Question Type : **MCQ**
Question ID : **6306801225817**
Option 1 ID : **6306804821318**
Option 2 ID : **6306804821317**
Option 3 ID : **6306804821316**
Option 4 ID : **6306804821315**
Status : **Answered**
Chosen Option : **3**

Q.26 What is the least positive number that can be added to 2488 so that it is completely divisible by 3, 4, 5 and 6?

- Ans
- 1. 32
 - 2. 42
 - 3. 28
 - 4. 34

Question Type : **MCQ**
Question ID : **6306801216831**
Option 1 ID : **6306804786740**
Option 2 ID : **6306804786737**
Option 3 ID : **6306804786738**
Option 4 ID : **6306804786739**
Status : **Answered**
Chosen Option : **1**

Q.27 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 4 & 3 Ω 6 @ 8 S 7 5 & % (Right)

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

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

Question Type : **MCQ**
Question ID : **6306801226137**
Option 1 ID : **6306804822597**
Option 2 ID : **6306804822596**
Option 3 ID : **6306804822595**
Option 4 ID : **6306804822598**
Status : **Answered**
Chosen Option : **2**

Q.28 Which of the following options should come in place of the question mark (?) in the given series?

75 65 56 48 41 ?

- Ans**
- 1. 34
 - 2. 31
 - 3. 33
 - 4. 35

Question Type : **MCQ**
Question ID : **6306801226044**
Option 1 ID : **6306804822225**
Option 2 ID : **6306804822224**
Option 3 ID : **6306804822223**
Option 4 ID : **6306804822226**
Status : **Answered**
Chosen Option : **4**

Q.29 The value of $(0.04)^{-1.5}$ is:

- Ans**
- 1. 25
 - 2. 625
 - 3. 125
 - 4. 250

Question Type : **MCQ**
Question ID : **6306801216802**
Option 1 ID : **6306804786621**
Option 2 ID : **6306804786624**
Option 3 ID : **6306804786622**
Option 4 ID : **6306804786623**
Status : **Answered**
Chosen Option : **3**

Q.30 A sum of money, on compound interest, amounts to ₹578.40 in 2 years and to ₹614.55 in 3 years. The rate of interest per annum, in case of annual compounding, is:

- Ans**
- 1. 4%
 - 2. $8\frac{1}{3}\%$
 - 3. 5%
 - 4. $6\frac{1}{4}\%$

Question Type : **MCQ**
Question ID : **6306801216909**
Option 1 ID : **6306804787049**
Option 2 ID : **6306804787052**
Option 3 ID : **6306804787050**
Option 4 ID : **6306804787051**
Status : **Answered**
Chosen Option : **4**

Q.31 The distance between the pole and focus of a spherical mirror, in terms of its radius of curvature R, is equal to:

- Ans**
- 1. $R/4$
 - 2. R
 - 3. $R/2$
 - 4. 2R

Question Type : **MCQ**
Question ID : **6306801223366**
Option 1 ID : **6306804811725**
Option 2 ID : **6306804811722**
Option 3 ID : **6306804811723**
Option 4 ID : **6306804811724**
Status : **Marked For Review**
Chosen Option : **3**

Q.32 In which organism does cell division or fission lead to the creation of new individuals?

- Ans**
- 1. Plants
 - 2. Reptiles
 - 3. Unicellular organisms
 - 4. Mammals

Question Type : **MCQ**
Question ID : **6306801223134**
Option 1 ID : **6306804810796**
Option 2 ID : **6306804810794**
Option 3 ID : **6306804810797**
Option 4 ID : **6306804810795**
Status : **Answered**
Chosen Option : **3**

Q.33 The area of the largest triangle that can be inscribed in a semi-circle of radius 6 cm is:

- Ans
- 1. 76 cm²
 - 2. 36 cm²
 - 3. 72 cm²
 - 4. 38 cm²

Question Type : MCQ
Question ID : 6306801217036
Option 1 ID : 6306804787557
Option 2 ID : 6306804787560
Option 3 ID : 6306804787558
Option 4 ID : 6306804787559
Status : Not Answered
Chosen Option : --

Q.34 The kinetic energy possessed by a body of mass 2 kg is 100 J. The velocity of the body will be:

- Ans
- 1. 20 m/s
 - 2. 10 m/s
 - 3. 50 m/s
 - 4. 0 m/s

Question Type : MCQ
Question ID : 6306801223355
Option 1 ID : 6306804811679
Option 2 ID : 6306804811678
Option 3 ID : 6306804811681
Option 4 ID : 6306804811680
Status : Answered
Chosen Option : 2

Q.35 Which of the following solutions is identified by smell?

- Ans
- 1. Dettol in water
 - 2. Sugar in water
 - 3. Potassium permanganate in water
 - 4. Salt in water

Question Type : MCQ
Question ID : 6306801223236
Option 1 ID : 6306804811202
Option 2 ID : 6306804811203
Option 3 ID : 6306804811205
Option 4 ID : 6306804811204
Status : Answered
Chosen Option : 3

Q.36 Which of the following carbon compounds is classified as an alcohol?

- Ans
- 1. Propanol
 - 2. Propanone
 - 3. Propanal
 - 4. Propanoic

Question Type : MCQ

Question ID : 6306801223213

Option 1 ID : 6306804811110

Option 2 ID : 6306804811112

Option 3 ID : 6306804811111

Option 4 ID : 6306804811113

Status : Answered

Chosen Option : 1

Q.37 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 : 58 :: 430 : Y

- Ans
- 1. X = 310, Y = 70
 - 2. X = 355, Y = 95
 - 3. X = 260, Y = 90
 - 4. X = 295, Y = 85

Question Type : MCQ

Question ID : 6306801226028

Option 1 ID : 6306804822160

Option 2 ID : 6306804822162

Option 3 ID : 6306804822161

Option 4 ID : 6306804822159

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.38 When 0.292929..... is converted into a fraction, then the result is:

Ans

✓ 1. $\frac{29}{99}$

✗ 2. $\frac{29}{100}$

✗ 3. $\frac{1}{5}$

✗ 4. $\frac{2}{9}$

Question Type : MCQ

Question ID : 6306801216808

Option 1 ID : 6306804786647

Option 2 ID : 6306804786648

Option 3 ID : 6306804786645

Option 4 ID : 6306804786646

Status : Answered

Chosen Option : 1

Q.39 In an election, only two candidates contested. One candidate secured 70% of the valid votes and won by a majority of 172 votes. The total number of valid votes was:

Ans

✗ 1. 570

✗ 2. 480

✗ 3. 560

✓ 4. 430

Question Type : MCQ

Question ID : 6306801216849

Option 1 ID : 6306804786812

Option 2 ID : 6306804786810

Option 3 ID : 6306804786811

Option 4 ID : 6306804786809

Status : Answered

Chosen Option : 4

Q.40 Rama walks to her office 5 km away from home. In the morning, she covers the distance in 1 hour whereas, while returning home in the evening, she takes 15 more minutes to cover the same distance. Find her average speed (in km/h) during the two-way journey.

Ans

✓ 1. $4\frac{4}{9}$

✗ 2. $4\frac{2}{3}$

✗ 3. $3\frac{3}{5}$

✗ 4. $3\frac{1}{8}$

Question Type : MCQ

Question ID : 6306801216939

Option 1 ID : 6306804787169

Option 2 ID : 6306804787170

Option 3 ID : 6306804787172

Option 4 ID : 6306804787171

Status : Answered

Chosen Option : 1

Q.41 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. Government authorities of city X are finding different solutions to reduce air pollution in the city during winter.

II. City X has seen an acute rise in asthma cases during the last winter.

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

Question Type : **MCQ**
Question ID : **6306801225920**
Option 1 ID : **6306804821730**
Option 2 ID : **6306804821727**
Option 3 ID : **6306804821729**
Option 4 ID : **6306804821728**
Status : **Answered**
Chosen Option : **4**

Q.42 HD Kumaraswamy, who won from Mandya parliamentary seat in Karnataka in 2024 general elections and became Minister of Heavy Industries, belongs to which political party?

- Ans**
- 1. Janata Dal (S)
 - 2. BSR Congress
 - 3. Communist Party of India
 - 4. Bhartiya Janata Party

Question Type : **MCQ**
Question ID : **6306801170780**
Option 1 ID : **6306804602524**
Option 2 ID : **6306804602527**
Option 3 ID : **6306804602526**
Option 4 ID : **6306804602525**
Status : **Answered**
Chosen Option : **1**

Q.43 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

ORN, PSO, QTP, RUQ, ?

- Ans**
- 1. SVR
 - 2. SUR
 - 3. VSR
 - 4. USR

Question Type : **MCQ**
Question ID : **6306801226115**
Option 1 ID : **6306804822507**
Option 2 ID : **6306804822509**
Option 3 ID : **6306804822508**
Option 4 ID : **6306804822510**
Status : **Answered**
Chosen Option : **1**

Q.44 A man sells 320 mangoes at the cost price of 400 mangoes (Cost price of all the articles is same. Selling price of all the articles is same). His gain percentage is:

- Ans**
- 1. 15%
 - 2. 25%
 - 3. 10%
 - 4. 20%

Question Type : **MCQ**
Question ID : **6306801216874**
Option 1 ID : **6306804786910**
Option 2 ID : **6306804786912**
Option 3 ID : **6306804786909**
Option 4 ID : **6306804786911**
Status : **Answered**
Chosen Option : **2**

Q.45 Which of following compounds is used as an ingredient in antacids?

- Ans**
- 1. Sodium chloride
 - 2. Copper sulphate
 - 3. Sodium hydrogen carbonate
 - 4. Nitric acid

Question Type : **MCQ**
Question ID : **6306801223254**
Option 1 ID : **6306804811275**
Option 2 ID : **6306804811277**
Option 3 ID : **6306804811274**
Option 4 ID : **6306804811276**
Status : **Answered**
Chosen Option : **3**

Q.46 Subtract the sum of $2x - 3y + 7z$ and $4z - 5x$ from $13x - z$.

- Ans**
- 1. $16x + 3y - 12z$
 - 2. $3x + 3y - 3z$
 - 3. $x + 12y - 12z$
 - 4. $4x + 7y$

Question Type : **MCQ**
Question ID : **6306801216986**
Option 1 ID : **6306804787359**
Option 2 ID : **6306804787357**
Option 3 ID : **6306804787360**
Option 4 ID : **6306804787358**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.47 DIJH is related to KPQO in a certain way based on the English alphabetical order. In the same way, MRSQ is related to TYZX. To which of the following options is BGHF related, following the same logic?

- Ans**
- 1. JMON
 - 2. IMQN
 - 3. INOM
 - 4. JNQM

Question Type : **MCQ**
Question ID : **6306801225885**
Option 1 ID : **6306804821589**
Option 2 ID : **6306804821590**
Option 3 ID : **6306804821587**
Option 4 ID : **6306804821588**
Status : **Answered**
Chosen Option : **3**

Q.48 Which of the following is the specialised cell that conducts information via electrical impulses from one part of the body to another?

- Ans**
- 1. Axon
 - 2. Neuron
 - 3. Dendrite
 - 4. Nucleus

Question Type : **MCQ**
Question ID : **6306801223121**
Option 1 ID : **6306804810744**
Option 2 ID : **6306804810743**
Option 3 ID : **6306804810742**
Option 4 ID : **6306804810745**
Status : **Answered**
Chosen Option : **3**

Q.49 Which of the following formulas is used to calculate the volume by volume percentage of a solution?

- Ans**
- 1. $\frac{\text{Mass of solute}}{\text{Volume of solution}} \times 100$
 - 2. $\frac{\text{Volume of solution}}{\text{Mass of solute}} \times 100$
 - 3. $\frac{\text{Mass of solute}}{\text{Mass of solution}} \times 100$
 - 4. $\frac{\text{Volume of solute}}{\text{Volume of solution}} \times 100$

Question Type : **MCQ**
Question ID : **6306801223277**
Option 1 ID : **6306804811366**
Option 2 ID : **6306804811367**
Option 3 ID : **6306804811368**
Option 4 ID : **6306804811369**
Status : **Answered**
Chosen Option : **4**

Q.50 The value of K , satisfying the equation $\frac{0.009}{K} = 0.01$ is:

- Ans
- 1. 9
 - 2. 0.0009
 - 3. 0.09
 - 4. 0.9

Question Type : MCQ
Question ID : 6306801216809
Option 1 ID : 6306804786652
Option 2 ID : 6306804786649
Option 3 ID : 6306804786650
Option 4 ID : 6306804786651
Status : Answered
Chosen Option : 4

Q.51 The volume of a cylinder is 5500 m^3 . Find its diameter of base if the height of the cylinder is 70 m. [Use $\pi = \frac{22}{7}$]

- Ans
- 1. 10 m
 - 2. 12 m
 - 3. 5 m
 - 4. 8 m

Question Type : MCQ
Question ID : 6306801217030
Option 1 ID : 6306804787535
Option 2 ID : 6306804787536
Option 3 ID : 6306804787533
Option 4 ID : 6306804787534
Status : Answered
Chosen Option : 1

Q.52 In 2024, which program organised youth exchange visits across states, focusing on the '5 Ps', namely Paryatan (Tourism), Parampara (Traditions), Pragati (Development), Paraspar Sampark (People-to-people connect) and Prodyogiki (Technology)?

- Ans
- 1. Yuva Sangam
 - 2. National Youth Exchange
 - 3. Bharat Parv
 - 4. India Unites

Question Type : MCQ
Question ID : 6306801170948
Option 1 ID : 6306804603193
Option 2 ID : 6306804603195
Option 3 ID : 6306804603192
Option 4 ID : 6306804603194
Status : Answered
Chosen Option : 3

Q.53 In an election between two candidates, one got 55% of the total valid votes and 20% of the votes were invalid. If the total number of votes was 7500, then the winner won the election by a majority of _____ votes.

- Ans
- 1. 750
 - 2. 700
 - 3. 600
 - 4. 800

Question Type : **MCQ**
Question ID : **6306801216866**
Option 1 ID : **6306804786878**
Option 2 ID : **6306804786879**
Option 3 ID : **6306804786880**
Option 4 ID : **6306804786877**
Status : **Answered**
Chosen Option : **3**

Q.54 A ball of mass 0.5 kg is thrown vertically upwards and rises to a height of 20 m. The initial velocity of the ball is:
(Consider $g = 10 \text{ m/s}^2$)

- Ans
- 1. 20 m/s
 - 2. 25 m/s
 - 3. 10 m/s
 - 4. 15 m/s

Question Type : **MCQ**
Question ID : **6306801223285**
Option 1 ID : **6306804811400**
Option 2 ID : **6306804811401**
Option 3 ID : **6306804811398**
Option 4 ID : **6306804811399**
Status : **Marked For Review**
Chosen Option : **1**

Q.55 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

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

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

- Ans
- 1. One
 - 2. Zero
 - 3. Four
 - 4. Two

Question Type : **MCQ**
Question ID : **6306801226141**
Option 1 ID : **6306804822612**
Option 2 ID : **6306804822611**
Option 3 ID : **6306804822614**
Option 4 ID : **6306804822613**
Status : **Answered**
Chosen Option : **3**

Q.56 In a certain code language,

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

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

'A 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 + P ÷ S x T'?

- Ans
- 1. Wife's father's father's brother
 - 2. Wife's father's brother
 - 3. Wife's father's mother's brother
 - 4. Wife's father's mother's father

Question Type : MCQ

Question ID : 6306801225907

Option 1 ID : 6306804821677

Option 2 ID : 6306804821678

Option 3 ID : 6306804821675

Option 4 ID : 6306804821676

Status : Answered

Chosen Option : 3

Q.57 The problem of myopia in human eye can be corrected by using:

- Ans
- 1. a plain glass plate
 - 2. a concave lens of suitable power
 - 3. a biconvex lens of suitable power
 - 4. a convex lens of suitable power

Question Type : MCQ

Question ID : 6306801223319

Option 1 ID : 6306804811537

Option 2 ID : 6306804811535

Option 3 ID : 6306804811536

Option 4 ID : 6306804811534

Status : Answered

Chosen Option : 4

Q.58 Who among the following were the co-flag bearers for India in the closing ceremony of Paris Olympics 2024?

- Ans
- 1. Neeraj Chopra and PR Sreejesh
 - 2. Manu Bhaker and Neeraj Chopra
 - 3. Manu Bhaker and PR Sreejesh
 - 4. Swapnil Kusale and Aman Sehrawat

Question Type : **MCQ**
Question ID : **6306801172837**
Option 1 ID : **6306804610603**
Option 2 ID : **6306804610604**
Option 3 ID : **6306804610602**
Option 4 ID : **6306804610605**
Status : **Answered**
Chosen Option : **3**

Q.59 In a certain code language, 'MEANS' is coded as '75821', 'RANGE' is coded as '84592', and 'PRIME' is coded as '64237'. What is the code for 'G' in the given code language?

- Ans
- 1. 9
 - 2. 8
 - 3. 4
 - 4. 5

Question Type : **MCQ**
Question ID : **6306801225959**
Option 1 ID : **6306804821886**
Option 2 ID : **6306804821885**
Option 3 ID : **6306804821883**
Option 4 ID : **6306804821884**
Status : **Answered**
Chosen Option : **1**

Q.60 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

RJZ, PMW, NPT, LSQ, ?

- Ans
- 1. IVM
 - 2. IVN
 - 3. JVN
 - 4. JUN

Question Type : **MCQ**
Question ID : **6306801226018**
Option 1 ID : **6306804822121**
Option 2 ID : **6306804822122**
Option 3 ID : **6306804822119**
Option 4 ID : **6306804822120**
Status : **Answered**
Chosen Option : **3**

Q.61 If $\cos^4\theta - \sin^4\theta = k$, then the value of $\frac{1-k}{1+k}$ is:

- Ans
- 1. $\operatorname{cosec}^2\theta$
 - 2. $\sin^2\theta$
 - 3. $\tan^2\theta$
 - 4. $\cot^2\theta$

Question Type : MCQ
Question ID : 6306801217068
Option 1 ID : 6306804787686
Option 2 ID : 6306804787685
Option 3 ID : 6306804787687
Option 4 ID : 6306804787688
Status : Answered
Chosen Option : 2

Q.62 If the length of a conductor is tripled, keeping other factors same, the resistance of the conductor will be:

- Ans
- 1. tripled
 - 2. same
 - 3. one third
 - 4. one sixth

Question Type : MCQ
Question ID : 6306801223302
Option 1 ID : 6306804811467
Option 2 ID : 6306804811466
Option 3 ID : 6306804811468
Option 4 ID : 6306804811469
Status : Answered
Chosen Option : 1

Q.63 According to the Economic Survey 2023-24, India's cumulative installed solar power capacity reached _____ on 30 April 2024, after adding 15.03 GW in 2023-24.

- Ans
- 1. 80.64 GW
 - 2. 89.64 GW
 - 3. 82.64 GW
 - 4. 86.64 GW

Question Type : MCQ
Question ID : 6306801163088
Option 1 ID : 6306804571637
Option 2 ID : 6306804571638
Option 3 ID : 6306804571636
Option 4 ID : 6306804571635
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.64 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?

$$121 \text{ C } 21 \text{ D } 11 \text{ A } 11 \text{ B } 121 = ?$$

- Ans**
- 1. 11
 - 2. 21
 - 3. 31
 - 4. 41

Question Type : **MCQ**
Question ID : **6306801226007**
Option 1 ID : **6306804822075**
Option 2 ID : **6306804822077**
Option 3 ID : **6306804822076**
Option 4 ID : **6306804822078**
Status : **Answered**
Chosen Option : **2**

Q.65 The shopkeeper offers two successive discounts on a machine that is marked at ₹18,000 so that its selling price gets reduced to ₹12,960. If 10% and $x\%$ are the respective discounts, the value of x is:

- Ans**
- 1. 10
 - 2. 20
 - 3. 15
 - 4. 12

Question Type : **MCQ**
Question ID : **6306801216889**
Option 1 ID : **6306804786972**
Option 2 ID : **6306804786971**
Option 3 ID : **6306804786970**
Option 4 ID : **6306804786969**
Status : **Answered**
Chosen Option : **2**

Q.66 A, B, C, D, E and F are sitting around a circular table facing the centre. D sits to the immediate left of F. B is the immediate neighbour of C and F. A is the immediate neighbour of E and C.

What is the position of D with respect to E?

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

Question Type : **MCQ**
Question ID : **6306801225806**
Option 1 ID : **6306804821273**
Option 2 ID : **6306804821272**
Option 3 ID : **6306804821274**
Option 4 ID : **6306804821271**
Status : **Answered**
Chosen Option : **2**

Q.67 In the food vacuole of which organism, complex substances are broken down into simpler ones which then diffuse into the cytoplasm?

- Ans**
- 1. Plasmodium
 - 2. Spirogyra
 - 3. Lichen
 - 4. Amoeba

Question Type : **MCQ**
Question ID : **6306801223169**
Option 1 ID : **6306804810936**
Option 2 ID : **6306804810934**
Option 3 ID : **6306804810937**
Option 4 ID : **6306804810935**
Status : **Answered**
Chosen Option : **1**

Q.68 The _____ moves water and minerals obtained from the soil while _____ transports products of photosynthesis from the leaves where they are synthesised to other parts of the plant.

- Ans**
- 1. phloem, xylem
 - 2. parenchyma, collenchyma
 - 3. collenchyma, parenchyma
 - 4. xylem, phloem

Question Type : **MCQ**
Question ID : **6306801223176**
Option 1 ID : **6306804810963**
Option 2 ID : **6306804810964**
Option 3 ID : **6306804810965**
Option 4 ID : **6306804810962**
Status : **Answered**
Chosen Option : **4**

Q.69 Which of the following conditions is required to have the value of displacement of an object zero?

- Ans**
- 1. When the initial and final position of the object is the same.
 - 2. When distance travelled is greater than the displacement of the object.
 - 3. When distance travelled is equal to the displacement of the object.
 - 4. When distance travelled is less than the displacement of the object.

Question Type : **MCQ**
Question ID : **6306801223329**
Option 1 ID : **6306804811574**
Option 2 ID : **6306804811576**
Option 3 ID : **6306804811577**
Option 4 ID : **6306804811575**
Status : **Answered**
Chosen Option : **2**

Q.70 Select the process responsible for stability of populations of species.

- Ans
- 1. Mutation
 - 2. Reproduction
 - 3. Variation
 - 4. Evolution

Question Type : MCQ
Question ID : 6306801223131
Option 1 ID : 6306804810784
Option 2 ID : 6306804810782
Option 3 ID : 6306804810785
Option 4 ID : 6306804810783
Status : Answered
Chosen Option : 2

Q.71 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which 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. GI-LE
 - 2. IK-NH
 - 3. OQ-TN
 - 4. KM-PJ

Question Type : MCQ
Question ID : 6306801226121
Option 1 ID : 6306804822533
Option 2 ID : 6306804822534
Option 3 ID : 6306804822531
Option 4 ID : 6306804822532
Status : Answered
Chosen Option : 1

Q.72 A can complete a piece of work in 20 days and B can do the same work in 15 days. B worked alone for 6 days and left. In how many days can A complete the remaining work alone?

- Ans
- 1. 12
 - 2. $10\frac{1}{2}$
 - 3. 10
 - 4. 16

Question Type : MCQ
Question ID : 6306801216944
Option 1 ID : 6306804787192
Option 2 ID : 6306804787190
Option 3 ID : 6306804787189
Option 4 ID : 6306804787191
Status : Answered
Chosen Option : 1

Q.73 Anju ranked 18th from the bottom and 15th from the top in his class. How many students are there in his class?

- Ans**
- 1. 32
 - 2. 33
 - 3. 31
 - 4. 21

Question Type : **MCQ**
Question ID : **6306801225990**
Option 1 ID : **6306804822009**
Option 2 ID : **6306804822007**
Option 3 ID : **6306804822010**
Option 4 ID : **6306804822008**
Status : **Answered**
Chosen Option : **2**

Q.74 If $a : b = 3 : 4$ and $b : c = 2 : 3$, then $a : b : c = ?$

- Ans**
- 1. 4 : 3 : 6
 - 2. 3 : 4 : 3
 - 3. 3 : 4 : 6
 - 4. 4 : 2 : 3

Question Type : **MCQ**
Question ID : **6306801216914**
Option 1 ID : **6306804787069**
Option 2 ID : **6306804787071**
Option 3 ID : **6306804787070**
Option 4 ID : **6306804787072**
Status : **Answered**
Chosen Option : **3**

Q.75 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 : 23 :: 476 : Y

- Ans**
- 1. X = 314, Y = 21
 - 2. X = 368, Y = 27
 - 3. X = 322, Y = 34
 - 4. X = 346, Y = 29

Question Type : **MCQ**
Question ID : **6306801226031**
Option 1 ID : **6306804822171**
Option 2 ID : **6306804822173**
Option 3 ID : **6306804822174**
Option 4 ID : **6306804822172**
Status : **Not Answered**
Chosen Option : **--**