



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



Roll Number	
Candidate Name	
Test Center Name	Utkal Institute Of Engineering And Technology
Test Date	26/11/2024
Test Time	4:30 PM - 5:30 PM
Subject	ALP Stage 1
Application Photograph	
Exam Day Photograph	

* Note

Correct Answer will carry 1 mark per Question.

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

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

Section : RRB ALP

Q.1 RGEL is related to SIHO in a certain way based on the English alphabetical order. In the same way, VOQX is related to WQTA. To which of the following options is YUZG related, following the same logic?

- Ans**
- ☒ 1. ZWCJ
 - ☐ 2. ZYCJ
 - ☐ 3. ZYBJ
 - ☐ 4. ZWCK

Question Type : **MCQ**

Question ID : **6306801214457**

Option 1 ID : **6306804777049**

Option 2 ID : **6306804777047**

Option 3 ID : **6306804777048**

Option 4 ID : **6306804777046**

Status : **Answered**

Chosen Option : **1**

Q.2 In a certain code language, 'fair weather friend' is coded as 'kl ph gb' and 'best friend ever' is coded as 'ju fv kl'. How is 'friend' coded in the given language?

- Ans**
- ☐ 1. ph
 - ☐ 2. gb
 - ☐ 3. fv
 - ☒ 4. kl

Question Type : **MCQ**

Question ID : **6306801214421**

Option 1 ID : **6306804776904**

Option 2 ID : **6306804776902**

Option 3 ID : **6306804776905**

Option 4 ID : **6306804776903**

Status : **Answered**

Chosen Option : **4**

Q.3 A moving body covers 10 m distance along a straight path in each second. The body is under which type of motion?

- Ans**
- ☐ 1. Circular motion
 - ☒ 2. Uniform motion
 - ☐ 3. Non-uniformly accelerated motion
 - ☐ 4. Uniformly accelerated motion

Question Type : **MCQ**

Question ID : **6306801217210**

Option 1 ID : **6306804788298**

Option 2 ID : **6306804788295**

Option 3 ID : **6306804788297**

Option 4 ID : **6306804788296**

Status : **Answered**

Chosen Option : **2**

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

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

X : 521 :: 794 : Y

Ans ☒ 1. X = 628, Y = 594

☒ 2. X = 698, Y = 612

☒ 3. X = 659, Y = 656

☒ 4. X = 674, Y = 588

Question Type : **MCQ**

Question ID : **6306801214656**

Option 1 ID : **6306804777843**

Option 2 ID : **6306804777842**

Option 3 ID : **6306804777844**

Option 4 ID : **6306804777845**

Status : **Answered**

Chosen Option : **3**

Q.5 Under which Section of the Telecommunications Act, 2023, was the Universal Service Obligation Fund renamed as Digital Bharat Nidhi?

Ans ☒ 1. Section 20(1)

☒ 2. Section 12(3)

☒ 3. Section 30(2)

☒ 4. Section 24(1)

Question Type : **MCQ**

Question ID : **6306801143800**

Option 1 ID : **6306804495417**

Option 2 ID : **6306804495419**

Option 3 ID : **6306804495420**

Option 4 ID : **6306804495418**

Status : **Not Answered**

Chosen Option : **--**

Q.6 Reflex arcs are formed in which part of the nervous system?

Ans ☒ 1. Spinal cord

☒ 2. Medulla

☒ 3. Fore brain

☒ 4. Cerebellum

Question Type : **MCQ**

Question ID : **6306801217305**

Option 1 ID : **6306804788687**

Option 2 ID : **6306804788689**

Option 3 ID : **6306804788688**

Option 4 ID : **6306804788690**

Status : **Answered**

Chosen Option : **3**

Q.7 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$76 \div 4 \div 108 \times 3 - 5 = ?$$

- Ans**
- ☐ 1. 265
 - ☐ 2. 271
 - ☐ 3. 275
 - ☒ 4. 273

Question Type : **MCQ**

Question ID : **6306801214563**

Option 1 ID : **6306804777470**

Option 2 ID : **6306804777471**

Option 3 ID : **6306804777473**

Option 4 ID : **6306804777472**

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?

HKN, QTW, ZCF, ILO, ?

- Ans**
- ☐ 1. QSU
 - ☐ 2. QTW
 - ☐ 3. RTV
 - ☒ 4. RUX

Question Type : **MCQ**

Question ID : **6306801214571**

Option 1 ID : **6306804777504**

Option 2 ID : **6306804777502**

Option 3 ID : **6306804777503**

Option 4 ID : **6306804777505**

Status : **Answered**

Chosen Option : **4**

Q.9 Select the correct law for the following statement.
During a chemical reaction mass is neither created nor destroyed.

- Ans**
- ☒ 1. Law of conversation of mass
 - ☐ 2. Law of thermodynamic
 - ☐ 3. Henry's Law
 - ☐ 4. Charles Law

Question Type : **MCQ**

Question ID : **6306801214980**

Option 1 ID : **6306804779235**

Option 2 ID : **6306804779236**

Option 3 ID : **6306804779234**

Option 4 ID : **6306804779237**

Status : **Answered**

Chosen Option : **1**

Q.10 In the word KNIGHT, each consonant is changed to the letter immediately succeeding it in the English alphabetical order and each vowel is changed to the letter immediately preceding it in the English alphabetical order. How many vowels are present in the new group of letters thus formed?

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

Question Type : **MCQ**

Question ID : **6306801214579**

Option 1 ID : **6306804777535**

Option 2 ID : **6306804777534**

Option 3 ID : **6306804777537**

Option 4 ID : **6306804777536**

Status : **Answered**

Chosen Option : **4**

Q.11 Which of the following statements is INCORRECT about sodium carbonate?

- Ans**
- ☐ 1. Sodium carbonate is used in the manufacture of sodium compounds, such as borax.
 - ☐ 2. Sodium carbonate can be used as a cleaning agent for domestic purposes.
 - ☐ 3. Sodium carbonate is used in glass, soap and paper industries.
 - ☒ 4. Sodium carbonate is used to neutralise excess acid in the stomach.

Question Type : **MCQ**

Question ID : **6306801219388**

Option 1 ID : **6306804796960**

Option 2 ID : **6306804796961**

Option 3 ID : **6306804796959**

Option 4 ID : **6306804796962**

Status : **Answered**

Chosen Option : **4**

Q.12 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?

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

- Ans**
- ☐ 1. LGI
 - ☒ 2. OKL
 - ☐ 3. UPR
 - ☐ 4. DYA

Question Type : **MCQ**

Question ID : **6306801214380**

Option 1 ID : **6306804776741**

Option 2 ID : **6306804776739**

Option 3 ID : **6306804776740**

Option 4 ID : **6306804776738**

Status : **Answered**

Chosen Option : **2**

Q.13

The value of $(0.000001)^{1/3}$ is:

- Ans
- ☐ 1. 0.000001
 - ☐ 2. 0.001
 - ☐ 3. 0.1
 - ☒ 4. 0.01

Question Type : MCQ

Question ID : 6306801213085

Option 1 ID : 6306804771506

Option 2 ID : 6306804771507

Option 3 ID : 6306804771509

Option 4 ID : 6306804771508

Status : Answered

Chosen Option : 4

Q.14

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?

92 D 12 B 3 C (63 A 3) D 15 =?

- Ans
- ☐ 1. 54
 - ☒ 2. 62
 - ☐ 3. 78
 - ☐ 4. 80

Question Type : MCQ

Question ID : 6306801214607

Option 1 ID : 6306804777649

Option 2 ID : 6306804777646

Option 3 ID : 6306804777648

Option 4 ID : 6306804777647

Status : Answered

Chosen Option : 2

Q.15

A textbook has a total of 662 pages. It is divided into two parts. The second part of the book has 52 pages less than the first part. How many pages are there in the first part of the book?

- Ans
- ☐ 1. 305
 - ☐ 2. 372
 - ☐ 3. 324
 - ☒ 4. 357

Question Type : MCQ

Question ID : 6306801213303

Option 1 ID : 6306804772381

Option 2 ID : 6306804772379

Option 3 ID : 6306804772378

Option 4 ID : 6306804772380

Status : Answered

Chosen Option : 4

Q.16 Which of the following options should come in place of the question mark (?) in the given series to make it logically complete?

24, 26, 30, 36, 44, ?

Ans ☒ 1. 53

☒ 2. 54

☒ 3. 57

☒ 4. 51

Question Type : **MCQ**

Question ID : **6306801214547**

Option 1 ID : **6306804777407**

Option 2 ID : **6306804777408**

Option 3 ID : **6306804777409**

Option 4 ID : **6306804777406**

Status : **Answered**

Chosen Option : **2**

Q.17 For a data, if the mean is 28.5 and the median is 32, then the mode using empirical formula is:

Ans ☒ 1. 41

☒ 2. 42

☒ 3. 40

☒ 4. 39

Question Type : **MCQ**

Question ID : **6306801213269**

Option 1 ID : **6306804772243**

Option 2 ID : **6306804772242**

Option 3 ID : **6306804772244**

Option 4 ID : **6306804772245**

Status : **Answered**

Chosen Option : **4**

Q.18 As of September 2024, who among the following Indian Cricketers has a record of scoring 6 centuries and 522 wickets in test cricket to his credit?

Ans ☒ 1. Ravindra Jadeja

☒ 2. Ravichandra Ashwin

☒ 3. Akshar Patel

☒ 4. Hardik Pandya

Question Type : **MCQ**

Question ID : **6306801134599**

Option 1 ID : **6306804458510**

Option 2 ID : **6306804458511**

Option 3 ID : **6306804458509**

Option 4 ID : **6306804458512**

Status : **Answered**

Chosen Option : **2**

Q.19 What was the score for Goal 1 (No Poverty) in the 2023-24 SDG India Index?

- Ans
- ☐ 1. 54
 - ☐ 2. 67
 - ☒ 3. 72
 - ☐ 4. 60

Question Type : MCQ

Question ID : 6306801144142

Option 1 ID : 6306804496758

Option 2 ID : 6306804496759

Option 3 ID : 6306804496757

Option 4 ID : 6306804496756

Status : Not Answered

Chosen Option : --

Q.20 Two plumbers, X and Y, are paid a total of ₹660 per day by their employer. If X is paid 120% of the sum paid to Y, then how much is Y paid per day?

- Ans
- ☒ 1. ₹300
 - ☐ 2. ₹350
 - ☐ 3. ₹200
 - ☐ 4. ₹250

Question Type : MCQ

Question ID : 6306801213123

Option 1 ID : 6306804771660

Option 2 ID : 6306804771661

Option 3 ID : 6306804771658

Option 4 ID : 6306804771659

Status : Answered

Chosen Option : 1

Q.21 Which award has been conferred to Narayan Chakraborty for his contribution in Science and Engineering in 2024?

- Ans
- ☐ 1. Padma Bhushan
 - ☒ 2. Padma Shri
 - ☐ 3. Bharat Ratna
 - ☐ 4. Padma Vibhushan

Question Type : MCQ

Question ID : 630680743078

Option 1 ID : 6306802912624

Option 2 ID : 6306802912623

Option 3 ID : 6306802912621

Option 4 ID : 6306802912622

Status : Answered

Chosen Option : 2

Q.22 In a certain code language, 'KNEW' is coded as '4682' and 'KINE' is coded as '6238'. What is the code for 'I' in the given code language?

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

Question Type : **MCQ**

Question ID : **6306801214482**

Option 1 ID : **6306804777148**

Option 2 ID : **6306804777149**

Option 3 ID : **6306804777146**

Option 4 ID : **6306804777147**

Status : **Answered**

Chosen Option : **4**

Q.23 A car moves with a uniform velocity (v) in a particular direction for a distance (s) under the action of a force (F) acting in the same direction. The work done by the force will be:

- Ans**
- ☒ 1. $-Fv$
 - ☒ 2. Fv
 - ☒ 3. $-Fs$
 - ☒ 4. Fs

Question Type : **MCQ**

Question ID : **6306801217217**

Option 1 ID : **6306804788325**

Option 2 ID : **6306804788326**

Option 3 ID : **6306804788323**

Option 4 ID : **6306804788324**

Status : **Answered**

Chosen Option : **4**

Q.24 If each letter of the word WELDING is changed to the letter immediately succeeding it in the English alphabetical order and the new group of letters thus formed is rearranged in English alphabetical order, then which letter is the third from the left in the new rearranged group of letters?

- Ans**
- ☒ 1. F
 - ☒ 2. E
 - ☒ 3. H
 - ☒ 4. J

Question Type : **MCQ**

Question ID : **6306801214588**

Option 1 ID : **6306804777571**

Option 2 ID : **6306804777570**

Option 3 ID : **6306804777572**

Option 4 ID : **6306804777573**

Status : **Answered**

Chosen Option : **3**

Q.25 A invests ₹8,000 and B invests ₹11,000 at the same rate of simple interest per annum. If, at the end of 3 years, B gets ₹720 more interest than A, then find the rate of simple interest per annum.

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

Question Type : **MCQ**

Question ID : **6306801213182**

Option 1 ID : **6306804771895**

Option 2 ID : **6306804771897**

Option 3 ID : **6306804771894**

Option 4 ID : **6306804771896**

Status : **Answered**

Chosen Option : **1**

Q.26 Find the median of the data 11, 16, 33, 15, 51, 19, 71, 75, 21, 17.

- Ans**
- ☐ 1. 22
 - ☐ 2. 24
 - ☐ 3. 18
 - ☒ 4. 20

Question Type : **MCQ**

Question ID : **6306801213256**

Option 1 ID : **6306804772191**

Option 2 ID : **6306804772193**

Option 3 ID : **6306804772190**

Option 4 ID : **6306804772192**

Status : **Answered**

Chosen Option : **4**

Q.27 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' and

$A \div B$ means 'A is the father of B'.

Based on the above, how is Q related to T if ' $P - Q \times R \div S + T$ '?

- Ans
- ☒ 1. Mother's brother
 - ☒ 2. Daughter
 - ☒ 3. Mother
 - ☒ 4. Mother's mother

Question Type : MCQ

Question ID : 6306801214398

Option 1 ID : 6306804776811

Option 2 ID : 6306804776813

Option 3 ID : 6306804776810

Option 4 ID : 6306804776812

Status : Answered

Chosen Option : 4

Q.28 Seven people, B, C, D, E, F, G, and K, are sitting in a straight line, facing north. Only K sits to the left of G. Only four people sit between K and C. Only E sits between F and D and F is not an immediate neighbour of C.

Who sits at the extreme right of the line?

- Ans
- ☒ 1. G
 - ☒ 2. F
 - ☒ 3. B
 - ☒ 4. C

Question Type : MCQ

Question ID : 6306801214475

Option 1 ID : 6306804777118

Option 2 ID : 6306804777120

Option 3 ID : 6306804777121

Option 4 ID : 6306804777119

Status : Answered

Chosen Option : 3

Q.29 In Fleming's left hand rule, which physical quantity is represented by the middle finger?

- Ans
- ☒ 1. Direction of the motion of conductor
 - ☒ 2. Direction of force
 - ☒ 3. Direction of electric current
 - ☒ 4. Direction of the magnetic field

Question Type : MCQ

Question ID : 6306801217226

Option 1 ID : 6306804788362

Option 2 ID : 6306804788359

Option 3 ID : 6306804788361

Option 4 ID : 6306804788360

Status : Answered

Chosen Option : 4

Q.30 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 clothes are rings.

No cloth is a bottle.

Conclusions:

(I) Some rings are bottles.

(II) Some rings are clothes.

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

Question Type : MCQ

Question ID : 6306801214452

Option 1 ID : 6306804777028

Option 2 ID : 6306804777029

Option 3 ID : 6306804777027

Option 4 ID : 6306804777026

Status : Answered

Chosen Option : 3

Q.31 Where does the centre of curvature of a concave mirror lie?

- Ans
- ☒ 1. At the centre of the mirror
 - ☒ 2. At the edge of the mirror
 - ☒ 3. In front of the mirror
 - ☒ 4. Behind the mirror

Question Type : MCQ

Question ID : 6306801217230

Option 1 ID : 6306804788376

Option 2 ID : 6306804788377

Option 3 ID : 6306804788375

Option 4 ID : 6306804788378

Status : Answered

Chosen Option : 1

Q.32 An article is sold for ₹ x after offering two successive discounts of 20% and 15% on its marked price of ₹500. The value of x is:

- Ans**
- ☐ 1. 280
 - ☐ 2. 345
 - ☐ 3. 285
 - ☒ 4. 340

Question Type : **MCQ**

Question ID : **6306801213175**

Option 1 ID : **6306804771867**

Option 2 ID : **6306804771866**

Option 3 ID : **6306804771868**

Option 4 ID : **6306804771869**

Status : **Answered**

Chosen Option : **4**

Q.33 Which of the following metals are mixed with iron to get stainless steel?

- Ans**
- ☐ 1. nickel and zinc
 - ☐ 2. nickel and copper
 - ☒ 3. nickel and chromium
 - ☐ 4. nickel and tin

Question Type : **MCQ**

Question ID : **6306801219401**

Option 1 ID : **6306804797012**

Option 2 ID : **6306804797014**

Option 3 ID : **6306804797011**

Option 4 ID : **6306804797013**

Status : **Answered**

Chosen Option : **3**

Q.34 A solution contains 40 ml of acid in 120 ml of water. Calculate the concentration in terms of volume by volume percentage of the solution.

- Ans**
- ☐ 1. 12%
 - ☒ 2. 25%
 - ☐ 3. 45%
 - ☐ 4. 30%

Question Type : **MCQ**

Question ID : **6306801214985**

Option 1 ID : **6306804779254**

Option 2 ID : **6306804779255**

Option 3 ID : **6306804779257**

Option 4 ID : **6306804779256**

Status : **Answered**

Chosen Option : **2**

Q.35 The relation between thrust (T), pressure (P) and area (A) of an object in a given medium is _____.

- Ans
- ☒ 1. $T = P/(A \times A)$
 - ☒ 2. $T = P + A$
 - ☒ 3. $T = P \times A$
 - ☒ 4. $T \times A = P$

Question Type : **MCQ**

Question ID : **6306801217162**

Option 1 ID : **6306804788105**

Option 2 ID : **6306804788106**

Option 3 ID : **6306804788104**

Option 4 ID : **6306804788103**

Status : **Answered**

Chosen Option : **4**

Q.36 Simplify: $3889 + 12.952 - 47.95$

- Ans
- ☒ 1. 3853.892
 - ☒ 2. 3853.982
 - ☒ 3. 3854.012
 - ☒ 4. 3854.002

Question Type : **MCQ**

Question ID : **6306801213092**

Option 1 ID : **6306804771534**

Option 2 ID : **6306804771537**

Option 3 ID : **6306804771536**

Option 4 ID : **6306804771535**

Status : **Answered**

Chosen Option : **4**

Q.37 JHFDA is related to OMKIF in a certain way based on the English alphabetical order. In the same way, NLJHE is related to SQOMJ. To which of the following options is KIGEB related, following the same logic?

- Ans
- ☒ 1. QOMKI
 - ☒ 2. PNLJG
 - ☒ 3. QOMKH
 - ☒ 4. PNLJH

Question Type : **MCQ**

Question ID : **6306801214427**

Option 1 ID : **6306804776928**

Option 2 ID : **6306804776929**

Option 3 ID : **6306804776926**

Option 4 ID : **6306804776927**

Status : **Answered**

Chosen Option : **2**

Q.38 Which physical quantity represents the rate at which electric energy is dissipated or consumed in an electric circuit?

- Ans ☒ 1. Electric power
☐ 2. Potential difference
☐ 3. Heat energy
☐ 4. Electrical energy

Question Type : MCQ

Question ID : 6306801217219

Option 1 ID : 6306804788332

Option 2 ID : 6306804788331

Option 3 ID : 6306804788334

Option 4 ID : 6306804788333

Status : Answered

Chosen Option : 2

Q.39 If $a : b = 3 : 4$ and $b : c = 4 : 1$, then $a : b : c = ?$

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

Question Type : MCQ

Question ID : 6306801213194

Option 1 ID : 6306804771943

Option 2 ID : 6306804771944

Option 3 ID : 6306804771945

Option 4 ID : 6306804771942

Status : Answered

Chosen Option : 2

Q.40 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

FLB, IOE, LRH, OUK, ?

- Ans ☐ 1. RXM
☐ 2. RYN
☒ 3. RXN
☐ 4. RYM

Question Type : MCQ

Question ID : 6306801214494

Option 1 ID : 6306804777196

Option 2 ID : 6306804777195

Option 3 ID : 6306804777194

Option 4 ID : 6306804777197

Status : Answered

Chosen Option : 3

Q.41 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 engines are rockets.

All planes are rockets.

Conclusions:

(I) Some engines are planes.

(II) All planes are engines.

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

Question Type : **MCQ**

Question ID : **6306801214507**

Option 1 ID : **6306804777247**

Option 2 ID : **6306804777248**

Option 3 ID : **6306804777246**

Option 4 ID : **6306804777249**

Status : **Answered**

Chosen Option : **2**

Q.42 In 2024, which bank partnered with Veefin Solutions to launch the SmartFin, a digital supply-chain finance platform?

- Ans**
- ☒ 1. YES Bank
 - ☒ 2. UCO Bank
 - ☒ 3. HDFC Bank
 - ☒ 4. ICICI Bank

Question Type : **MCQ**

Question ID : **6306801146107**

Option 1 ID : **6306804504584**

Option 2 ID : **6306804504585**

Option 3 ID : **6306804504586**

Option 4 ID : **6306804504583**

Status : **Not Answered**

Chosen Option : **--**

Q.43 8 men and 12 women can build a wall in 10 days. 6 men and 8 women can build the same wall in 14 days. How many more days will 1 woman take to build that wall alone compared to the number of days 1 man will take to build the same wall alone?

- Ans**
- ☐ 1. 280 days
 - ☐ 2. 35 days
 - ☐ 3. 70 days
 - ☒ 4. 140 days

Question Type : **MCQ**

Question ID : **6306801213315**

Option 1 ID : **6306804772429**

Option 2 ID : **6306804772426**

Option 3 ID : **6306804772427**

Option 4 ID : **6306804772428**

Status : **Answered**

Chosen Option : **4**

Q.44 Blood brings carbon dioxide from the rest of the body for release into the:

- Ans**
- ☐ 1. oesophagus
 - ☒ 2. alveoli
 - ☐ 3. stomach
 - ☐ 4. intestines

Question Type : **MCQ**

Question ID : **6306801217303**

Option 1 ID : **6306804788680**

Option 2 ID : **6306804788679**

Option 3 ID : **6306804788681**

Option 4 ID : **6306804788682**

Status : **Answered**

Chosen Option : **2**

Q.45 What was the unemployment rate in India for individuals aged 15 years and above from July 2023 to June 2024?

- Ans**
- ☒ 1. 3.2%
 - ☐ 2. 3.3%
 - ☐ 3. 3.0%
 - ☐ 4. 3.1%

Question Type : **MCQ**

Question ID : **6306801147045**

Option 1 ID : **6306804508315**

Option 2 ID : **6306804508316**

Option 3 ID : **6306804508313**

Option 4 ID : **6306804508314**

Status : **Not Answered**

Chosen Option : **--**

Q.46 As of September 2024, who among the following cricketers (men) is India's second highest wicket taker in the Test Matches?

- Ans**
- ☒ 1. Harbhajan Singh
 - ☒ 2. Anil kumble
 - ☒ 3. Kapil Dev
 - ☒ 4. R Ashwin

Question Type : **MCQ**
Question ID : **6306801134466**
Option 1 ID : **6306804457977**
Option 2 ID : **6306804457975**
Option 3 ID : **6306804457974**
Option 4 ID : **6306804457976**
Status : **Answered**
Chosen Option : **4**

Q.47 Two numbers are in the ratio 3 : 2. Their LCM and HCF are 24 and 4, respectively. The greater of the two numbers is:

- Ans**
- ☒ 1. 10
 - ☒ 2. 8
 - ☒ 3. 12
 - ☒ 4. 14

Question Type : **MCQ**
Question ID : **6306801213119**
Option 1 ID : **6306804771643**
Option 2 ID : **6306804771642**
Option 3 ID : **6306804771644**
Option 4 ID : **6306804771645**
Status : **Answered**
Chosen Option : **3**

Q.48 In a row of people, Marshall is sitting 13th from the left end and 36th from the right end. What is the total number of persons in the row?

- Ans**
- ☒ 1. 48
 - ☒ 2. 49
 - ☒ 3. 50
 - ☒ 4. 46

Question Type : **MCQ**
Question ID : **6306801214394**
Option 1 ID : **6306804776795**
Option 2 ID : **6306804776797**
Option 3 ID : **6306804776796**
Option 4 ID : **6306804776794**
Status : **Answered**
Chosen Option : **1**

Q.49 A, B, C, D, E and F are sitting around a circular table facing the centre. A sits second to the left of B. E sits to an immediate left of A. C sits to the immediate right of F. What is the position of C with respect to D?

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

Question Type : **MCQ**

Question ID : **6306801214354**

Option 1 ID : **6306804776637**

Option 2 ID : **6306804776635**

Option 3 ID : **6306804776636**

Option 4 ID : **6306804776634**

Status : **Answered**

Chosen Option : **3**

Q.50 If each consonant in the word DANCER is changed to the letter immediately preceding it in the English alphabetical order and each vowel is changed to the letter immediately succeeding it in the English alphabetical order, then which of the following letters is repeated twice in the new group of letters thus formed?

- Ans**
- ☒ 1. M
 - ☒ 2. C
 - ☒ 3. B
 - ☒ 4. Q

Question Type : **MCQ**

Question ID : **6306801214590**

Option 1 ID : **6306804777580**

Option 2 ID : **6306804777578**

Option 3 ID : **6306804777579**

Option 4 ID : **6306804777581**

Status : **Answered**

Chosen Option : **3**

Q.51 The income of X is 60% more than Y's income and the income of Y is 40% more than Z's income. By what percentage is X's income more than Z's income?

- Ans**
- ☒ 1. 124%
 - ☒ 2. 224%
 - ☒ 3. 234%
 - ☒ 4. 134%

Question Type : **MCQ**

Question ID : **6306801213148**

Option 1 ID : **6306804771758**

Option 2 ID : **6306804771761**

Option 3 ID : **6306804771760**

Option 4 ID : **6306804771759**

Status : **Answered**

Chosen Option : **1**

Q.52 If the radius of a sphere is increased by 50%, find the increase percent in the volume.

Ans ☒ 1. 237.5%

☐ 2. 325%

☐ 3. 225%

☐ 4. 337.5%

Question Type : MCQ

Question ID : 6306801213341

Option 1 ID : 6306804772530

Option 2 ID : 6306804772533

Option 3 ID : 6306804772531

Option 4 ID : 6306804772532

Status : Answered

Chosen Option : 1

Q.53 Which of the following Indian states hosted the 2023 Hornbill Music Festival?

Ans ☐ 1. Odisha

☒ 2. Nagaland

☐ 3. Kerala

☐ 4. Gujarat

Question Type : MCQ

Question ID : 6306801146088

Option 1 ID : 6306804504510

Option 2 ID : 6306804504509

Option 3 ID : 6306804504508

Option 4 ID : 6306804504507

Status : Answered

Chosen Option : 2

Q.54 Variegated leaves are found in which of the following plants?

Ans ☐ 1. Banana

☐ 2. Rose

☒ 3. Croton

☐ 4. Neem

Question Type : MCQ

Question ID : 6306801217345

Option 1 ID : 6306804788854

Option 2 ID : 6306804788851

Option 3 ID : 6306804788853

Option 4 ID : 6306804788852

Status : Not Answered

Chosen Option : --

Q.55 Which of the following organisms reproduces by budding?

- Ans
- ☒ 1. Cockroach
 - ☒ 2. Earthworm
 - ☒ 3. Frog
 - ☒ 4. Hydra

Question Type : MCQ

Question ID : 6306801217335

Option 1 ID : 6306804788814

Option 2 ID : 6306804788812

Option 3 ID : 6306804788813

Option 4 ID : 6306804788811

Status : Answered

Chosen Option : 4

Q.56 Simplify the expression: $\sin A + \frac{\cos A}{\tan(90 - A)}$

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

Question Type : MCQ

Question ID : 6306801213370

Option 1 ID : 6306804772649

Option 2 ID : 6306804772646

Option 3 ID : 6306804772647

Option 4 ID : 6306804772648

Status : Answered

Chosen Option : 1

Q.57 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which 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. LO-MP
 - ☒ 2. CF-DG
 - ☒ 3. SW-UY
 - ☒ 4. TW-UX

Question Type : MCQ

Question ID : 6306801214485

Option 1 ID : 6306804777160

Option 2 ID : 6306804777161

Option 3 ID : 6306804777159

Option 4 ID : 6306804777158

Status : Answered

Chosen Option : 3

Q.58 The joint exercise involving the Indian Army's Kharga Corps and the Indian Air Force in 2024 was conducted in which state?

- Ans**
- ☒ 1. Gujarat
 - ☒ 2. Punjab
 - ☒ 3. Haryana
 - ☒ 4. Rajasthan

Question Type : **MCQ**
Question ID : **6306801144394**
Option 1 ID : **6306804497761**
Option 2 ID : **6306804497762**
Option 3 ID : **6306804497763**
Option 4 ID : **6306804497760**
Status : **Not Answered**
Chosen Option : --

Q.59 A dishonest shopkeeper pretends to sell his goods at cost price. However, he uses a false weight on which 984 gm is written, but actually weighs lesser. Using this false weight, the shopkeeper makes a gain of 23%. The actual measure of the weight used is:

- Ans**
- ☒ 1. 935 gm
 - ☒ 2. 850 gm
 - ☒ 3. 900 gm
 - ☒ 4. 800 gm

Question Type : **MCQ**
Question ID : **6306801213163**
Option 1 ID : **6306804771821**
Option 2 ID : **6306804771820**
Option 3 ID : **6306804771819**
Option 4 ID : **6306804771818**
Status : **Answered**
Chosen Option : **4**

Q.60 If a person can see far objects distinctly but cannot see nearby objects clearly, then this eye defect can be corrected by using _____.

- Ans**
- ☒ 1. a concave lens of suitable power
 - ☒ 2. a convex lens of suitable power
 - ☒ 3. a plane glass plate
 - ☒ 4. a plane mirror

Question Type : **MCQ**
Question ID : **6306801217188**
Option 1 ID : **6306804788208**
Option 2 ID : **6306804788207**
Option 3 ID : **6306804788209**
Option 4 ID : **6306804788210**
Status : **Answered**
Chosen Option : **1**

Q.61 In this question, a statement is followed by two courses of action, numbered I and II. You must assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the courses of action logically follow(s) for pursuing.

Statement:

The price of wheat has been steadily rising across the country since the last 3 weeks, due to shortages reported from major wholesale markets.

Courses of Action:

- (I) The Government should set up an urgent investigation to check the reasons for the shortages.
(II) The Government should provide oil at subsidised rates to citizens till wheat supplies are restored.

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

Question Type : **MCQ**
Question ID : **6306801214382**
Option 1 ID : **6306804776746**
Option 2 ID : **6306804776748**
Option 3 ID : **6306804776747**
Option 4 ID : **6306804776749**
Status : **Answered**
Chosen Option : **1**

Q.62 If a regular polygon has 35 diagonals, then the sum of its interior angles is:

- Ans** ☐ 1. 1800°
☐ 2. 1620°
☐ 3. 1980°
☒ 4. 1440°

Question Type : **MCQ**
Question ID : **6306801213354**
Option 1 ID : **6306804772584**
Option 2 ID : **6306804772583**
Option 3 ID : **6306804772585**
Option 4 ID : **6306804772582**
Status : **Answered**
Chosen Option : **4**

Q.63 In June 2024, which of the following Indian cities was officially recognised as World Craft City by the World Crafts Council?

- Ans** ☐ 1. Kolkata
☐ 2. Bhopal
☒ 3. Srinagar
☐ 4. New Delhi

Question Type : **MCQ**
Question ID : **6306801146093**
Option 1 ID : **6306804504529**
Option 2 ID : **6306804504527**
Option 3 ID : **6306804504528**
Option 4 ID : **6306804504530**
Status : **Answered**
Chosen Option : **4**

Q.64 A cyclist covers 2.5 km in 4 minutes 10 seconds. How long will he take to cover 6 km at the same speed?

- Ans
- ☐ 1. 9 minutes
 - ☒ 2. 10 minutes
 - ☐ 3. 12 minutes
 - ☐ 4. 11 minutes

Question Type : **MCQ**
Question ID : **6306801213209**
Option 1 ID : **6306804772004**
Option 2 ID : **6306804772003**
Option 3 ID : **6306804772005**
Option 4 ID : **6306804772002**
Status : **Answered**
Chosen Option : **2**

Q.65 Solid CO_2 gets converted directly into the gaseous state upon decreasing the pressure to _____.

- Ans
- ☐ 1. 4 atmosphere, without coming to the liquid state
 - ☐ 2. 2 atmosphere, without coming to the liquid state
 - ☐ 3. 3 atmosphere, without coming to the liquid state
 - ☒ 4. 1 atmosphere, without coming to the liquid state

Question Type : **MCQ**
Question ID : **6306801219365**
Option 1 ID : **6306804796868**
Option 2 ID : **6306804796867**
Option 3 ID : **6306804796870**
Option 4 ID : **6306804796869**
Status : **Not Answered**
Chosen Option : **--**

Q.66 If 9 lines of a print, in a column of a book, contain 36 words, how many words will a column of 51 lines contain?

- Ans
- ☐ 1. 192
 - ☒ 2. 204
 - ☐ 3. 208
 - ☐ 4. 196

Question Type : **MCQ**
Question ID : **6306801213224**
Option 1 ID : **6306804772062**
Option 2 ID : **6306804772064**
Option 3 ID : **6306804772065**
Option 4 ID : **6306804772063**
Status : **Answered**
Chosen Option : **2**

Q.67 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 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 : 30 :: 175 : Y

Ans ✓ 1. X = 160, Y = 33

✗ 2. X = 195, Y = 27

✗ 3. X = 180, Y = 44

✗ 4. X = 145, Y = 38

Question Type : **MCQ**

Question ID : **6306801214636**

Option 1 ID : **6306804777762**

Option 2 ID : **6306804777764**

Option 3 ID : **6306804777765**

Option 4 ID : **6306804777763**

Status : **Answered**

Chosen Option : **1**

Q.68 Burning of naphthalene on a spatula gives a _____.

Ans ✗ 1. clean flame

✗ 2. sooty flame

✗ 3. red flame

✓ 4. yellow flame

Question Type : **MCQ**

Question ID : **6306801219410**

Option 1 ID : **6306804797048**

Option 2 ID : **6306804797047**

Option 3 ID : **6306804797050**

Option 4 ID : **6306804797049**

Status : **Answered**

Chosen Option : **2**

Q.69 The radius of the base and the height of a closed cylinder are in the ratio 1 : 3. Using $\pi = \frac{22}{7}$, find its total surface area if its curved surface area is 924 m².

Ans ✓ 1. 1232 m²

✗ 2. 1512 m²

✗ 3. 908 m²

✗ 4. 1848 m²

Question Type : **MCQ**

Question ID : **6306801213329**

Option 1 ID : **6306804772484**

Option 2 ID : **6306804772483**

Option 3 ID : **6306804772482**

Option 4 ID : **6306804772485**

Status : **Answered**

Chosen Option : **1**

Q.70 Which elements of xylem tissue form interconnected water-conducting channels?

- Ans**
- ☐ 1. Vessels and Xylem fibres
 - ☐ 2. Only Vessels
 - ☐ 3. Tracheids and Xylem fibres
 - ☒ 4. Vessels and Tracheids

Question Type : **MCQ**

Question ID : **6306801217353**

Option 1 ID : **6306804788884**

Option 2 ID : **6306804788883**

Option 3 ID : **6306804788885**

Option 4 ID : **6306804788886**

Status : **Answered**

Chosen Option : **1**

Q.71 Which cell organelle serves as a channel for transport of material between various regions of cytoplasm?

- Ans**
- ☐ 1. Chloroplast
 - ☒ 2. Endoplasmic reticulum
 - ☐ 3. Lysosomes
 - ☐ 4. Mitochondria

Question Type : **MCQ**

Question ID : **6306801217287**

Option 1 ID : **6306804788618**

Option 2 ID : **6306804788616**

Option 3 ID : **6306804788615**

Option 4 ID : **6306804788617**

Status : **Answered**

Chosen Option : **2**

Q.72 Study the given table and answer the question that follows.

The table depicts new admissions in the Primary and Middle wings of a school in the years 2021 and 2022.

Years	New admission in Primary Wing	New admission in Middle Wing
2021	25	20
2022	12	15

How many new admissions were there in the Primary wing of the school in the years 2021 and 2022 together?

- Ans**
- ☐ 1. 31
 - ☐ 2. 35
 - ☒ 3. 37
 - ☐ 4. 33

Question Type : **MCQ**

Question ID : **6306801214555**

Option 1 ID : **6306804777438**

Option 2 ID : **6306804777440**

Option 3 ID : **6306804777441**

Option 4 ID : **6306804777439**

Status : **Answered**

Chosen Option : **3**

Q.73 Town A lies to the southwest of Town R. Town D lies to the east of Town A. Town T lies to the southeast of Town D. Town R lies to the north of Town T. Town M lies to the southeast of Town T. What is the position of Town M with respect to Town D?

- Ans**
- ☒ 1. Southwest
 - ☒ 2. Northeast
 - ☒ 3. Northwest
 - ☒ 4. Southeast

Question Type : **MCQ**
 Question ID : **6306801214443**
 Option 1 ID : **6306804776990**
 Option 2 ID : **6306804776991**
 Option 3 ID : **6306804776993**
 Option 4 ID : **6306804776992**
 Status : **Answered**
 Chosen Option : **4**

Q.74 Which of the following is obtained upon heating ferrous sulphate?

- Ans**
- ☒ 1. ferric oxide and sulphur trioxide
 - ☒ 2. ferric oxide and sulphur dioxide
 - ☒ 3. Ferric oxide, sulphur dioxide and sulphur trioxide
 - ☒ 4. Only ferric oxide

Question Type : **MCQ**
 Question ID : **6306801219415**
 Option 1 ID : **6306804797069**
 Option 2 ID : **6306804797067**
 Option 3 ID : **6306804797070**
 Option 4 ID : **6306804797068**
 Status : **Answered**
 Chosen Option : **3**

Q.75 Simplify the following expression:

$$\frac{4.33 \times 4.33 - 2.65 \times 2.65}{1.68}$$

- Ans**
- ☒ 1. 6.99
 - ☒ 2. 6.96
 - ☒ 3. 6.98
 - ☒ 4. 6.94

Question Type : **MCQ**
 Question ID : **6306801213285**
 Option 1 ID : **6306804772308**
 Option 2 ID : **6306804772307**
 Option 3 ID : **6306804772309**
 Option 4 ID : **6306804772306**
 Status : **Answered**
 Chosen Option : **3**