



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



Roll Number	
Candidate Name	
Test Center Name	Future Bright
Test Date	25/11/2024
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 Carbon, in all its allotropic forms, burns in oxygen to give _____.

- Ans
- ☐ 1. carbonic acid
 - ☒ 2. carbon dioxide
 - ☐ 3. carbon monoxide
 - ☐ 4. methane

Question Type : MCQ

Question ID : 6306801219409

Option 1 ID : 6306804797045

Option 2 ID : 6306804797044

Option 3 ID : 6306804797043

Option 4 ID : 6306804797046

Status : Answered

Chosen Option : 4

Q.2 Evaluate the given expression.

$$12 + 18 \div 3$$

- Ans
- ☐ 1. 12
 - ☒ 2. 18
 - ☐ 3. 10
 - ☐ 4. 22

Question Type : MCQ

Question ID : 6306801213082

Option 1 ID : 6306804771495

Option 2 ID : 6306804771496

Option 3 ID : 6306804771494

Option 4 ID : 6306804771497

Status : Answered

Chosen Option : 2

Q.3 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

PK-RM-TU

HC-JE-LM

- Ans
- ☐ 1. MG-OJ-QR
 - ☐ 2. MH-OJ-QS
 - ☐ 3. MH-OJ-PR
 - ☒ 4. MH-OJ-QR

Question Type : MCQ

Question ID : 6306801214664

Option 1 ID : 6306804777874

Option 2 ID : 6306804777877

Option 3 ID : 6306804777875

Option 4 ID : 6306804777876

Status : Answered

Chosen Option : 4

Q.4 Which of the following is the symbol of the unit of atomic mass?

- Ans
- ☒ 1. g
 - ☒ 2. mg
 - ☒ 3. ml
 - ☒ 4. u

Question Type : MCQ

Question ID : 6306801219351

Option 1 ID : 6306804796812

Option 2 ID : 6306804796814

Option 3 ID : 6306804796811

Option 4 ID : 6306804796813

Status : Answered

Chosen Option : 4

Q.5 The first _____ transport aircraft was formally inducted into the Indian Air Force in 2023.

- Ans
- ☒ 1. C-250 MW
 - ☒ 2. C-275 MW
 - ☒ 3. C-225 MW
 - ☒ 4. C-295 MW

Question Type : MCQ

Question ID : 630680901913

Option 1 ID : 6306803533343

Option 2 ID : 6306803533344

Option 3 ID : 6306803533341

Option 4 ID : 6306803533342

Status : Not Answered

Chosen Option : --

Q.6 Which legendary musician, known for his work in films like 'Amar Akbar Anthony' and 'Bobby', was awarded the Padma Bhushan on Republic Day 2024?

- Ans
- ☒ 1. RD Burman
 - ☒ 2. Ilaiyaraaja
 - ☒ 3. Pyarelal Sharma
 - ☒ 4. Laxmikant Shantaram Kudalkar

Question Type : MCQ

Question ID : 6306801146075

Option 1 ID : 6306804504455

Option 2 ID : 6306804504458

Option 3 ID : 6306804504457

Option 4 ID : 6306804504456

Status : Not Answered

Chosen Option : --

Q.7 Town A lies to the north of Town B. Town C lies to the south of Town A. Town D lies to the northeast of Town C. Town E lies to the south of Town D. Town B lies to the northwest of Town E. Town B lies to the south of Town C. What is the position of Town E with respect to Town C?

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

Question Type : **MCQ**

Question ID : **6306801214441**

Option 1 ID : **6306804776984**

Option 2 ID : **6306804776983**

Option 3 ID : **6306804776982**

Option 4 ID : **6306804776985**

Status : **Answered**

Chosen Option : **2**

Q.8 A man invested $\frac{1}{3}$ of his income at 7% simple interest, $\frac{1}{4}$ of his income at 8% simple interest, and the remainder of his income at 10% simple interest. If the total interest at the end of one year was ₹561, what was his initial income?

- Ans**
- ☒ 1. ₹6,600
 - ☒ 2. ₹3,000
 - ☒ 3. ₹7,500
 - ☒ 4. ₹4,500

Question Type : **MCQ**

Question ID : **6306801213138**

Option 1 ID : **6306804771719**

Option 2 ID : **6306804771721**

Option 3 ID : **6306804771718**

Option 4 ID : **6306804771720**

Status : **Answered**

Chosen Option : **1**

Q.9 Express the expression below as a perfect square:

$$a^2 + 9b^2 + c^2 - 6ab + 6bc - 2ac$$

- Ans**
- ☒ 1. $(a-3b-2c)^2$
 - ☒ 2. $(a-3b+c)^2$
 - ☒ 3. $(a+3b+c)^2$
 - ☒ 4. $(a-3b-c)^2$

Question Type : **MCQ**

Question ID : **6306801213277**

Option 1 ID : **6306804772277**

Option 2 ID : **6306804772274**

Option 3 ID : **6306804772275**

Option 4 ID : **6306804772276**

Status : **Answered**

Chosen Option : **4**

Q.10 Which two numbers should be interchanged to make the given equation correct?

$$56 + 18 - 11 \times 3 + 4 \times (66 \div 2) + 22 = 151$$

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

- Ans ☒ 1. 18 and 11
☒ 2. 11 and 22
☒ 3. 56 and 66
☒ 4. 3 and 2

Question Type : **MCQ**

Question ID : **6306801214611**

Option 1 ID : **6306804777664**

Option 2 ID : **6306804777663**

Option 3 ID : **6306804777665**

Option 4 ID : **6306804777662**

Status : **Answered**

Chosen Option : **2**

Q.11 How many water molecules are required to react with three molecules of the iron atom to form Fe_3O_4 ?

- Ans ☒ 1. 2
☒ 2. 4
☒ 3. 3
☒ 4. 1

Question Type : **MCQ**

Question ID : **6306801219412**

Option 1 ID : **6306804797056**

Option 2 ID : **6306804797058**

Option 3 ID : **6306804797057**

Option 4 ID : **6306804797055**

Status : **Not Answered**

Chosen Option : **--**

Q.12 What determines the pattern of the magnetic field generated by a current through a conductor?

- Ans ☒ 1. Colour of the conductor
☒ 2. Shape of the conductor
☒ 3. Material of the conductor
☒ 4. Direction of the current

Question Type : **MCQ**

Question ID : **6306801217223**

Option 1 ID : **6306804788350**

Option 2 ID : **6306804788347**

Option 3 ID : **6306804788349**

Option 4 ID : **6306804788348**

Status : **Answered**

Chosen Option : **4**

Q.13 The average monthly salary of a person for the months of January, February, March and April is ₹8,000 and that for the months of February, March, April and May is ₹8,500. If his salary for the month of May is ₹6,500, find his salary for the month of January.

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

Question Type : MCQ

Question ID : 6306801213259

Option 1 ID : 6306804772205

Option 2 ID : 6306804772203

Option 3 ID : 6306804772202

Option 4 ID : 6306804772204

Status : Answered

Chosen Option : 4

Q.14 Sameer has a solid metal ball having a diameter of 6 cm. He melts it and uses the material for making a solid cylinder. If the diameter of the base of the cylinder is same as that of the ball, what would the height of the cylinder be?

- Ans**
- ☐ 1. 6 cm
 - ☐ 2. 4.5 cm
 - ☒ 3. 4 cm
 - ☐ 4. 8 cm

Question Type : MCQ

Question ID : 6306801213342

Option 1 ID : 6306804772536

Option 2 ID : 6306804772535

Option 3 ID : 6306804772534

Option 4 ID : 6306804772537

Status : Answered

Chosen Option : 3

Q.15 The total count of prime numbers less than 50 is:

- Ans**
- ☐ 1. 14
 - ☒ 2. 15
 - ☐ 3. 17
 - ☐ 4. 13

Question Type : MCQ

Question ID : 6306801213103

Option 1 ID : 6306804771580

Option 2 ID : 6306804771579

Option 3 ID : 6306804771578

Option 4 ID : 6306804771581

Status : Answered

Chosen Option : 2

Q.16 When an object is kept in front of a concave mirror of focal length 10 cm, a real image is formed at a distance of 20 cm in front of the mirror. Here, the object distance is _____.

- Ans**
- ☒ 1. -10 cm
 - ☒ 2. -5 cm
 - ☒ 3. -30 cm
 - ☒ 4. -20 cm

Question Type : **MCQ**

Question ID : **6306801217205**

Option 1 ID : **6306804788276**

Option 2 ID : **6306804788278**

Option 3 ID : **6306804788277**

Option 4 ID : **6306804788275**

Status : **Answered**

Chosen Option : **4**

Q.17 If the acceleration due to gravity of the earth is 6 times the acceleration due to gravity on moon, which of the following statements is correct?

- Ans**
- ☒ 1. The weight of a given object is 2 times higher on the earth as compared to its weight on the moon.
 - ☒ 2. The weight of a given object is 6 times higher on the earth as compared to its weight on the moon.
 - ☒ 3. The weight of a given object is the same when we measure it on the earth or moon.
 - ☒ 4. The weight of a given object is 6 times higher on the moon as compared to its weight on the earth.

Question Type : **MCQ**

Question ID : **6306801217161**

Option 1 ID : **6306804788102**

Option 2 ID : **6306804788100**

Option 3 ID : **6306804788099**

Option 4 ID : **6306804788101**

Status : **Answered**

Chosen Option : **2**

Q.18 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 : 243 :: 17 : Y

- Ans**
- ☒ 1. X = 34, Y = 148
 - ☒ 2. X = 25, Y = 171
 - ☒ 3. X = 31, Y = 169
 - ☒ 4. X = 27, Y = 156

Question Type : **MCQ**

Question ID : **6306801214630**

Option 1 ID : **6306804777738**

Option 2 ID : **6306804777740**

Option 3 ID : **6306804777741**

Option 4 ID : **6306804777739**

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

Chosen Option : **--**

Q.19 In a quadrilateral PQRS, if the sum of measures of angles $\angle Q$ and $\angle S$ is 150° while the measures of angles $\angle P$ and $\angle R$ are in ratio 4 : 3, then the measure of $\angle R$ will be:

- Ans**
- ☒ 1. 120°
 - ☒ 2. 210°
 - ☒ 3. 150°
 - ☒ 4. 90°

Question Type : **MCQ**

Question ID : **6306801213364**

Option 1 ID : **6306804772625**

Option 2 ID : **6306804772622**

Option 3 ID : **6306804772623**

Option 4 ID : **6306804772624**

Status : **Answered**

Chosen Option : **4**

Q.20 In the address regarding the Union Budget 2024, the Finance Minister highlighted key areas of focus for the upcoming year. Which of the following sectors was emphasised?

- Ans**
- ☒ 1. Employment, Skilling, MSMEs and the Middle Class
 - ☒ 2. Education, Sports, Culture and Entertainment
 - ☒ 3. Agriculture, Defense, Space and Healthcare
 - ☒ 4. Infrastructure, Technology, Tourism and Environment

Question Type : **MCQ**

Question ID : **6306801146120**

Option 1 ID : **6306804504636**

Option 2 ID : **6306804504635**

Option 3 ID : **6306804504638**

Option 4 ID : **6306804504637**

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

Chosen Option : **--**

Q.21 If three numbers are in the ratio 5 : 6 : 8 and their sum is 3800, then the greatest number will be:

- Ans**
- ☒ 1. 1600
 - ☒ 2. 1000
 - ☒ 3. 2000
 - ☒ 4. 1200

Question Type : **MCQ**

Question ID : **6306801213208**

Option 1 ID : **6306804772000**

Option 2 ID : **6306804771998**

Option 3 ID : **6306804772001**

Option 4 ID : **6306804771999**

Status : **Answered**

Chosen Option : **1**

Q.22 Study the given table and answer the question that follows.

The table depicts the number of tickets sold on Friday and Saturday by cash and online mode for a cricket match.

Days	Number of tickets sold (cash)	Number of tickets sold (online)
Friday	725	525
Saturday	1000	3000

How many tickets were sold in total on Friday by cash and online together?

- Ans**
- ☒ 1. 1350
 - ☒ 2. 1050
 - ☒ 3. 1150
 - ☒ 4. 1250

Question Type : **MCQ**

Question ID : **6306801214551**

Option 1 ID : **6306804777425**

Option 2 ID : **6306804777422**

Option 3 ID : **6306804777423**

Option 4 ID : **6306804777424**

Status : **Answered**

Chosen Option : **4**

Q.23 Which biotic component of an ecosystem is present in the greatest number?

- Ans**
- ☒ 1. Producers
 - ☒ 2. Primary Consumers
 - ☒ 3. Tertiary Consumers
 - ☒ 4. Secondary Consumers

Question Type : **MCQ**

Question ID : **6306801217356**

Option 1 ID : **6306804788895**

Option 2 ID : **6306804788896**

Option 3 ID : **6306804788898**

Option 4 ID : **6306804788897**

Status : **Not Answered**

Chosen Option : **--**

Q.24 There is a 10 m tall tower between two parallel roads. The angles of depression of the roads from the top of the tower are 30° and 45° respectively. Approximately, how far are the roads from each other?

- Ans**
- ☒ 1. 27.32 m
 - ☒ 2. 29.56 m
 - ☒ 3. 26.44 m
 - ☒ 4. 30.82 m

Question Type : **MCQ**

Question ID : **6306801213379**

Option 1 ID : **6306804772683**

Option 2 ID : **6306804772684**

Option 3 ID : **6306804772682**

Option 4 ID : **6306804772685**

Status : **Answered**

Chosen Option : **4**

Q.25 What is the function of xylem?

- Ans
- ☒ 1. Conduction of food
 - ☒ 2. Conduction of water and minerals
 - ☒ 3. Conduction of lipid
 - ☒ 4. Conduction of protein

Question Type : MCQ
 Question ID : 6306801217325
 Option 1 ID : 6306804788772
 Option 2 ID : 6306804788771
 Option 3 ID : 6306804788774
 Option 4 ID : 6306804788773
 Status : Answered
 Chosen Option : 2

Q.26 If each of the letters in the word COINAGE is arranged in the English alphabetical order, then how many letters are there in the English alphabetical series between the letter which is fourth from the left and the one which is third from the right in the new letter-cluster thus formed?

- Ans
- ☒ 1. Two
 - ☒ 2. Four
 - ☒ 3. Five
 - ☒ 4. One

Question Type : MCQ
 Question ID : 6306801214582
 Option 1 ID : 6306804777547
 Option 2 ID : 6306804777548
 Option 3 ID : 6306804777549
 Option 4 ID : 6306804777546
 Status : Answered
 Chosen Option : 4

Q.27 A shopkeeper, on selling a pan for ₹10, loses $\frac{1}{11}$ of what it cost him. The cost price of a pan is:

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

Question Type : MCQ
 Question ID : 6306801213156
 Option 1 ID : 6306804771790
 Option 2 ID : 6306804771791
 Option 3 ID : 6306804771793
 Option 4 ID : 6306804771792
 Status : Answered
 Chosen Option : 4

Q.28 What is/are the product(s) of the reaction between an acid and a base?

- Ans ☒ 1. Both Salt and water
☐ 2. Only salt
☐ 3. Both Salt and hydrogen gas
☐ 4. Only water

Question Type : MCQ

Question ID : 6306801219380

Option 1 ID : 6306804796929

Option 2 ID : 6306804796927

Option 3 ID : 6306804796930

Option 4 ID : 6306804796928

Status : Answered

Chosen Option : 1

Q.29 In a certain code language, 'towards the end' is coded as 'mb rh gp' and 'end it here' is coded as 'hk mb bl'. What is the code for 'end' in the given code language?

- Ans ☐ 1. bl
☐ 2. gp
☒ 3. mb
☐ 4. hk

Question Type : MCQ

Question ID : 6306801214499

Option 1 ID : 6306804777216

Option 2 ID : 6306804777217

Option 3 ID : 6306804777215

Option 4 ID : 6306804777214

Status : Answered

Chosen Option : 3

Q.30 According to the second law of motion, the rate of change of momentum is proportional to _____.

- Ans ☐ 1. displacement
☐ 2. energy
☐ 3. inertia
☒ 4. force

Question Type : MCQ

Question ID : 6306801217233

Option 1 ID : 6306804788389

Option 2 ID : 6306804788388

Option 3 ID : 6306804788387

Option 4 ID : 6306804788390

Status : Answered

Chosen Option : 3

Q.31 Which of the following options should come in place of the question mark (?) in the given series to make it logically complete?

13, 24, 46, 79, 123, ?

- Ans**
- ☒ 1. 176
 - ☒ 2. 174
 - ☒ 3. 178
 - ☒ 4. 172

Question Type : **MCQ**

Question ID : **6306801214550**

Option 1 ID : **6306804777420**

Option 2 ID : **6306804777419**

Option 3 ID : **6306804777421**

Option 4 ID : **6306804777418**

Status : **Answered**

Chosen Option : **3**

Q.32 Seven people, B, C, D, E, F, G, and K, are sitting in a straight line, facing north. No one sits to the right of G. Only three people sit between G and E. Only two people sit between E and F. C sits third to the left of D. K sits to the immediate right of D.

How many people sit between B and F?

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

Question Type : **MCQ**

Question ID : **6306801214474**

Option 1 ID : **6306804777114**

Option 2 ID : **6306804777117**

Option 3 ID : **6306804777116**

Option 4 ID : **6306804777115**

Status : **Answered**

Chosen Option : **3**

Q.33 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between E and G. G is not kept at the top-most position. F is kept immediately above C. C is kept immediately above E. B is not kept fourth from the top.

How many boxes are kept between C and A?

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

Question Type : **MCQ**

Question ID : **6306801214392**

Option 1 ID : **6306804776788**

Option 2 ID : **6306804776787**

Option 3 ID : **6306804776786**

Option 4 ID : **6306804776789**

Status : **Answered**

Chosen Option : **1**

Q.34 JGLI is related to NKPM in a certain way based on the English alphabetical order. In the same way, OLQN is related to SPUR. To which of the following options is LINK related, following the same logic?

- Ans**
- ☒ 1. MPOR
 - ☒ 2. MPRO
 - ☒ 3. PMOR
 - ☒ 4. PMRO

Question Type : **MCQ**

Question ID : **6306801214663**

Option 1 ID : **6306804777870**

Option 2 ID : **6306804777871**

Option 3 ID : **6306804777872**

Option 4 ID : **6306804777873**

Status : **Answered**

Chosen Option : **4**

Q.35 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. CH – MR
 - ☒ 2. PV – XR
 - ☒ 3. DJ – LF
 - ☒ 4. GM – OI

Question Type : **MCQ**

Question ID : **6306801214541**

Option 1 ID : **6306804777383**

Option 2 ID : **6306804777385**

Option 3 ID : **6306804777382**

Option 4 ID : **6306804777384**

Status : **Answered**

Chosen Option : **1**

Q.36 Large number of impurities present in ore, such as sand , soil , etc., is called

- Ans**
- ☒ 1. Gangue
 - ☒ 2. Spongy
 - ☒ 3. Hardness of ore
 - ☒ 4. Wrought

Question Type : **MCQ**

Question ID : **6306801219399**

Option 1 ID : **6306804797003**

Option 2 ID : **6306804797004**

Option 3 ID : **6306804797005**

Option 4 ID : **6306804797006**

Status : **Not Answered**

Chosen Option : **--**

Q.37 Aruna borrowed a sum of ₹9,000 from Jayshree at 10% per annum on compound interest, compounded annually. Find the total amount paid by Aruna after 2 years to clear all the dues.

- Ans**
- ☒ 1. ₹10,089
 - ☒ 2. ₹10,980
 - ☒ 3. ₹10,098
 - ☒ 4. ₹10,890

Question Type : **MCQ**

Question ID : **6306801213188**

Option 1 ID : **6306804771920**

Option 2 ID : **6306804771919**

Option 3 ID : **6306804771921**

Option 4 ID : **6306804771918**

Status : **Answered**

Chosen Option : **4**

Q.38 The HCF of 450, 1500 and 1650 is:

- Ans**
- ☒ 1. 200
 - ☒ 2. 150
 - ☒ 3. 100
 - ☒ 4. 50

Question Type : **MCQ**

Question ID : **6306801213112**

Option 1 ID : **6306804771617**

Option 2 ID : **6306804771616**

Option 3 ID : **6306804771615**

Option 4 ID : **6306804771614**

Status : **Answered**

Chosen Option : **2**

Q.39 In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \div B$ means 'A is the father of B',
 and $A \# B$ means 'A is the daughter of B'.
 How is P related to K if ' $Q - S + P - T \# R \div K$ '?

- Ans
- ☒ 1. Sister
 - ☒ 2. Brother
 - ☒ 3. Father
 - ☒ 4. Mother

Question Type : MCQ
 Question ID : 6306801214369
 Option 1 ID : 6306804776695
 Option 2 ID : 6306804776694
 Option 3 ID : 6306804776697
 Option 4 ID : 6306804776696
 Status : Answered
 Chosen Option : 2

Q.40 In a closed circuit, if 100 coulomb charges flow for a duration of 50 sec, then the current drawn in the circuit is

- Ans
- ☒ 1. 2 A
 - ☒ 2. 5 A
 - ☒ 3. 0.5 A
 - ☒ 4. 0.2 A

Question Type : MCQ
 Question ID : 6306801217168
 Option 1 ID : 6306804788130
 Option 2 ID : 6306804788128
 Option 3 ID : 6306804788127
 Option 4 ID : 6306804788129
 Status : Answered
 Chosen Option : 1

Q.41 Which of the following examples shows that particles of matter have enough space between them?

- Ans**
- ☒ 1. Lighting incense stick
 - ☒ 2. Potassium permanganate got evenly distributed in water
 - ☒ 3. Boiling of water
 - ☒ 4. Breaking of iron nail

Question Type : **MCQ**

Question ID : **6306801214992**

Option 1 ID : **6306804779282**

Option 2 ID : **6306804779284**

Option 3 ID : **6306804779285**

Option 4 ID : **6306804779283**

Status : **Answered**

Chosen Option : **3**

Q.42 The sum of the ages of 5 children born at intervals of 2 years each is 40 years. What is the age of the eldest child?

- Ans**
- ☒ 1. 12 years
 - ☒ 2. 10 years
 - ☒ 3. 16 years
 - ☒ 4. 14 years

Question Type : **MCQ**

Question ID : **6306801213305**

Option 1 ID : **6306804772386**

Option 2 ID : **6306804772387**

Option 3 ID : **6306804772388**

Option 4 ID : **6306804772389**

Status : **Answered**

Chosen Option : **1**

Q.43 A train travelling at a speed of 72 km/h crosses a pole in 24 sec. What is the length of the train?

- Ans**
- ☒ 1. 480 m
 - ☒ 2. 300 m
 - ☒ 3. 150 m
 - ☒ 4. 125 m

Question Type : **MCQ**

Question ID : **6306801213211**

Option 1 ID : **6306804772011**

Option 2 ID : **6306804772013**

Option 3 ID : **6306804772012**

Option 4 ID : **6306804772010**

Status : **Answered**

Chosen Option : **1**

Q.44 The length, the breadth and the height of a closed cuboidal box are 2.5 m, 2 m and 90 cm, respectively. What would be the cost of a canvas needed to cover this box completely, if the cost of the canvas is ₹70 per m²?

- Ans**
- ☒ 1. ₹1,267
 - ☐ 2. ₹1,348
 - ☐ 3. ₹1,507
 - ☐ 4. ₹1,448

Question Type : **MCQ**

Question ID : **6306801213332**

Option 1 ID : **6306804772496**

Option 2 ID : **6306804772497**

Option 3 ID : **6306804772495**

Option 4 ID : **6306804772494**

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

Chosen Option : --

Q.45 A car travels 80 km at the speed of 20 km/h and the next 30 km at the speed of 30 km/h. What is its average speed?

- Ans**
- ☐ 1. 30 km/h
 - ☐ 2. 40 km/h
 - ☐ 3. 20 km/h
 - ☒ 4. 22 km/h

Question Type : **MCQ**

Question ID : **6306801213223**

Option 1 ID : **6306804772058**

Option 2 ID : **6306804772061**

Option 3 ID : **6306804772059**

Option 4 ID : **6306804772060**

Status : **Answered**

Chosen Option : 4

Q.46 Which cell has changing shapes?

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

Question Type : **MCQ**

Question ID : **6306801217350**

Option 1 ID : **6306804788874**

Option 2 ID : **6306804788873**

Option 3 ID : **6306804788872**

Option 4 ID : **6306804788871**

Status : **Answered**

Chosen Option : 2

Q.47 Justice M Fathima Beevi was the first female Judge appointed to the Supreme Court of India in 1989. She passed away at the age of 96 on:

- Ans ☒ 1. 26 November 2023
☒ 2. 23 November 2023
☒ 3. 22 November 2023
☒ 4. 25 November 2023

Question Type : MCQ
Question ID : 6306801143880
Option 1 ID : 6306804495716
Option 2 ID : 6306804495714
Option 3 ID : 6306804495713
Option 4 ID : 6306804495715
Status : Not Answered
Chosen Option : --

Q.48 यदि शब्द DYNAMIC के प्रत्येक अक्षर को अंग्रेजी वर्णमाला क्रम में उसके ठीक बाद वाले अक्षर से बदल दिया जाए और फिर इस प्रकार बने अक्षरों के नए समूह को अंग्रेजी वर्णमाला क्रम के अनुसार पुनर्व्यवस्थित किया जाए, तो अक्षरों के नए पुनर्व्यवस्थित समूह में दाईं ओर से पहला अक्षर कौन-सा होगा?

- Ans ☒ 1. B
☒ 2. Z
☒ 3. E
☒ 4. D

Question Type : MCQ
Question ID : 6306801214578
Option 1 ID : 6306804777530
Option 2 ID : 6306804777533
Option 3 ID : 6306804777532
Option 4 ID : 6306804777531
Status : Answered
Chosen Option : 2

Q.49 The average of the first five multiples of 3 is:

- Ans ☒ 1. 3
☒ 2. 9
☒ 3. 12
☒ 4. 15

Question Type : MCQ
Question ID : 6306801213248
Option 1 ID : 6306804772158
Option 2 ID : 6306804772159
Option 3 ID : 6306804772160
Option 4 ID : 6306804772161
Status : Answered
Chosen Option : 4

Q.50 Two successive discounts of 30% and 35% on a deal are equivalent to a single discount of:

- Ans**
- ☒ 1. 55.5%
 - ☒ 2. 54.5%
 - ☒ 3. 65%
 - ☒ 4. 60%

Question Type : **MCQ**

Question ID : **6306801213173**

Option 1 ID : **6306804771859**

Option 2 ID : **6306804771860**

Option 3 ID : **6306804771858**

Option 4 ID : **6306804771861**

Status : **Answered**

Chosen Option : **2**

Q.51 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZTQ, XRO, VPM, TNK, ?

- Ans**
- ☒ 1. SMK
 - ☒ 2. RLI
 - ☒ 3. RKL
 - ☒ 4. RML

Question Type : **MCQ**

Question ID : **6306801214525**

Option 1 ID : **6306804777321**

Option 2 ID : **6306804777318**

Option 3 ID : **6306804777319**

Option 4 ID : **6306804777320**

Status : **Answered**

Chosen Option : **2**

Q.52 Select the correct statement.

- Ans**
- ☒ 1. Pollination is transfer of pollen grains from stamen to stigma.
 - ☒ 2. Pollination is visit of insects to the flower.
 - ☒ 3. Pollination is germination of pollen grains.
 - ☒ 4. Pollination is the growth of pollen tube in ovule.

Question Type : **MCQ**

Question ID : **6306801217276**

Option 1 ID : **6306804788571**

Option 2 ID : **6306804788574**

Option 3 ID : **6306804788572**

Option 4 ID : **6306804788573**

Status : **Answered**

Chosen Option : **2**

Q.53 The phenomenon involved in the image formation by mirrors is _____.

- Ans
- ☒ 1. interference
 - ☒ 2. diffraction
 - ☒ 3. reflection
 - ☒ 4. refraction

Question Type : MCQ

Question ID : 6306801217183

Option 1 ID : 6306804788190

Option 2 ID : 6306804788189

Option 3 ID : 6306804788188

Option 4 ID : 6306804788187

Status : Answered

Chosen Option : 3

Q.54 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

CGM, EIO, GKQ, IMS, ?

- Ans
- ☒ 1. KOX
 - ☒ 2. KOV
 - ☒ 3. KOU
 - ☒ 4. KNY

Question Type : MCQ

Question ID : 6306801214527

Option 1 ID : 6306804777327

Option 2 ID : 6306804777326

Option 3 ID : 6306804777328

Option 4 ID : 6306804777329

Status : Answered

Chosen Option : 3

Q.55 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. MHL
 - ☒ 2. PKO
 - ☒ 3. VRU
 - ☒ 4. FAE

Question Type : MCQ

Question ID : 6306801214432

Option 1 ID : 6306804776947

Option 2 ID : 6306804776946

Option 3 ID : 6306804776949

Option 4 ID : 6306804776948

Status : Answered

Chosen Option : 3

Q.56 Who among the following is India's youngest Olympic medallist as of August 2024?

- Ans
- ☐ 1. Lakshya Sen
 - ☐ 2. Neeraj Chopra
 - ☐ 3. Manu Bhaker
 - ☒ 4. Aman Sherawat

Question Type : MCQ
 Question ID : 6306801134562
 Option 1 ID : 6306804458360
 Option 2 ID : 6306804458357
 Option 3 ID : 6306804458358
 Option 4 ID : 6306804458359
 Status : Answered
 Chosen Option : 4

Q.57 In a certain code language, 'ALSO' is coded as '8693' and 'SALE' is coded as '2836'. What is the code for 'E' in the given code language?

- Ans
- ☐ 1. 8
 - ☐ 2. 9
 - ☒ 3. 2
 - ☐ 4. 3

Question Type : MCQ
 Question ID : 6306801214423
 Option 1 ID : 6306804776912
 Option 2 ID : 6306804776913
 Option 3 ID : 6306804776910
 Option 4 ID : 6306804776911
 Status : Answered
 Chosen Option : 4

Q.58 नीचे एक कारण दिया गया है जिसके बाद I, II और III क्रमांकित संभावित प्रभाव दिए गए हैं। कारण को ध्यान से पढ़िए और तय कीजिए कि तीनों में से कौन-सा/कौन-से संभावित प्रभाव हो सकता है/सकते हैं।
 कारण - शहर X में पिछले दो दिनों से गाज और भारी बारिश हो रही है। मौसम विभाग ने अगले 48 घंटों में और बारिश की आशंका जताई है।
 प्रभाव I - बिजली विभाग ने शहर X में 50 पैसे प्रति यूनिट शुल्क बढ़ाने का फैसला लिया है।
 प्रभाव II - शहर X के कई क्षेत्रों से जलजमाव की खबर आ रही है।
 प्रभाव III - कथित तौर पर कल रात एमजी रोड पर कई पेड़ गिर गए, जिससे कम से कम 12 लोग घायल हो गए।

- Ans
- ☐ 1. केवल I ही संभावित प्रभाव है।
 - ☒ 2. II और III दोनों संभावित प्रभाव हैं।
 - ☐ 3. I और II दोनों संभावित प्रभाव हैं।
 - ☐ 4. केवल II संभावित प्रभाव है।

Question Type : MCQ
 Question ID : 6306801214386
 Option 1 ID : 6306804776762
 Option 2 ID : 6306804776764
 Option 3 ID : 6306804776765
 Option 4 ID : 6306804776763
 Status : Answered
 Chosen Option : 4

Q.59 If 'P' stands for '×', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '+', what will come in place of question mark '?' in the following equation?

$$15 P 6 R 11 P 4 S 38 R 41 S 2 P 5 = ?$$

- Ans**
- ☒ 1. 41
 - ☒ 2. 53
 - ☒ 3. 49
 - ☒ 4. 61

Question Type : **MCQ**

Question ID : **6306801214608**

Option 1 ID : **6306804777650**

Option 2 ID : **6306804777651**

Option 3 ID : **6306804777653**

Option 4 ID : **6306804777652**

Status : **Answered**

Chosen Option : **2**

Q.60 The Federation of International Hockey (FIH) Men's World Cup 2023 was conducted in _____.

- Ans**
- ☒ 1. Kochi, Kerala
 - ☒ 2. Patna, Bihar
 - ☒ 3. Amaravati, Andhra Pradesh
 - ☒ 4. Rourkela, Odisha

Question Type : **MCQ**

Question ID : **6306801134763**

Option 1 ID : **6306804459172**

Option 2 ID : **6306804459169**

Option 3 ID : **6306804459171**

Option 4 ID : **6306804459170**

Status : **Answered**

Chosen Option : **4**

Q.61 Every trait in an organism is influenced by which of the following?

- Ans**
- ☒ 1. By both maternal and paternal DNA equally
 - ☒ 2. Only maternal DNA
 - ☒ 3. More by paternal DNA than maternal DNA
 - ☒ 4. Only paternal DNA

Question Type : **MCQ**

Question ID : **6306801217266**

Option 1 ID : **6306804788533**

Option 2 ID : **6306804788532**

Option 3 ID : **6306804788534**

Option 4 ID : **6306804788531**

Status : **Answered**

Chosen Option : **1**

Q.62 The Jivitputrika festival, which was in the news for an incident in September 2024, is primarily celebrated in which of the following states?

- Ans ☒ 1. Odisha
☒ 2. Bihar
☒ 3. West Bengal
☒ 4. Gujarat

Question Type : MCQ

Question ID : 6306801146092

Option 1 ID : 6306804504526

Option 2 ID : 6306804504525

Option 3 ID : 6306804504523

Option 4 ID : 6306804504524

Status : Not Answered

Chosen Option : --

Q.63 Who among the following has received the Vigyan Ratna Award in Rashtriya Vigyan Puraskar 2024?

- Ans ☒ 1. Prof. Govindarajan Padmanabhan
☒ 2. Dr. Anandharamakrishnan C
☒ 3. Dr. Avesh Kumar Tyagi
☒ 4. Prof. Umesh Varshney

Question Type : MCQ

Question ID : 6306801137663

Option 1 ID : 6306804470847

Option 2 ID : 6306804470848

Option 3 ID : 6306804470849

Option 4 ID : 6306804470850

Status : Not Answered

Chosen Option : --

Q.64 Arpita buys 9 oranges and 8 bananas for ₹276. When the cost of an orange is decreased by 10% and that of a banana remains the same, then the cost of 5 oranges and 10 bananas is ₹210. What is the original cost of 3 oranges and 4 bananas?

- Ans ☒ 1. ₹120
☒ 2. ₹108
☒ 3. ₹116
☒ 4. ₹123

Question Type : MCQ

Question ID : 6306801213306

Option 1 ID : 6306804772392

Option 2 ID : 6306804772390

Option 3 ID : 6306804772391

Option 4 ID : 6306804772393

Status : Not Answered

Chosen Option : --

Q.65 Which Indian city recorded the highest PM2.5 level in 2023, making it the most polluted metropolitan area globally?

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

Question Type : **MCQ**
Question ID : **6306801144118**
Option 1 ID : **6306804496654**
Option 2 ID : **6306804496655**
Option 3 ID : **6306804496652**
Option 4 ID : **6306804496653**
Status : **Answered**
Chosen Option : **4**

Q.66 If each vowel in the word TEACHING is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter following it in the English alphabetical order and then arrange the letters in alphabetical order, then which of the following letters will be fourth from the right in the group of letters thus formed?

- Ans** ☒ 1. I
☐ 2. H
☐ 3. J
☐ 4. F

Question Type : **MCQ**
Question ID : **6306801214595**
Option 1 ID : **6306804777598**
Option 2 ID : **6306804777600**
Option 3 ID : **6306804777599**
Option 4 ID : **6306804777601**
Status : **Not Answered**
Chosen Option : **--**

Q.67 The salaries of P and Q together amount to ₹2,000. P spends 95% of his salary and Q spends 85% of his salary. If now their savings are the same, then P's salary is:

- Ans** ☐ 1. ₹500
☒ 2. ₹1,500
☐ 3. ₹1,250
☐ 4. ₹750

Question Type : **MCQ**
Question ID : **6306801213129**
Option 1 ID : **6306804771682**
Option 2 ID : **6306804771685**
Option 3 ID : **6306804771684**
Option 4 ID : **6306804771683**
Status : **Answered**
Chosen Option : **2**

Q.68 According to the latest NSSO consumer expenditure survey conducted in 2024, what is the reported poverty rate in India?

- Ans**
- ☐ 1. 10%-15%
 - ☐ 2. Below 10%
 - ☐ 3. Above 15%
 - ☒ 4. Below 5%

Question Type : **MCQ**

Question ID : **6306801147066**

Option 1 ID : **6306804508399**

Option 2 ID : **6306804508397**

Option 3 ID : **6306804508400**

Option 4 ID : **6306804508398**

Status : **Not Answered**

Chosen Option : --

Q.69 A, B, C, D, E and F are sitting around a circular table facing the centre. Only two people sit between F and C. D sits to an immediate right of F. A is an immediate neighbour of B and C. What is the position of E with respect to B?

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

Question Type : **MCQ**

Question ID : **6306801214358**

Option 1 ID : **6306804776653**

Option 2 ID : **6306804776651**

Option 3 ID : **6306804776650**

Option 4 ID : **6306804776652**

Status : **Answered**

Chosen Option : 1

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

Statements:

Some microphones are speakers.

No speaker is a piano.

Conclusions:

(I) No microphone is a piano.

(II) Some speakers are microphones.

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

Question Type : **MCQ**

Question ID : **6306801214455**

Option 1 ID : **6306804777040**

Option 2 ID : **6306804777039**

Option 3 ID : **6306804777041**

Option 4 ID : **6306804777038**

Status : **Answered**

Chosen Option : 2

Q.71 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 doors are gates.

No door is a lock.

Conclusion:

(I) Some locks are gates.

(II) No lock is a door.

- 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 : **6306801214519**

Option 1 ID : **6306804777294**

Option 2 ID : **6306804777297**

Option 3 ID : **6306804777295**

Option 4 ID : **6306804777296**

Status : **Answered**

Chosen Option : **1**

Q.72 Which of the following is an example of emulsion?

- Ans**
- ☒ 1. Sponge
 - ☒ 2. Face cream
 - ☒ 3. Rubber
 - ☒ 4. Foam

Question Type : **MCQ**

Question ID : **6306801219373**

Option 1 ID : **6306804796902**

Option 2 ID : **6306804796901**

Option 3 ID : **6306804796900**

Option 4 ID : **6306804796899**

Status : **Answered**

Chosen Option : **1**

Q.73 Harmful metabolic wastes from our body are removed by the biological process called:

- Ans**
- ☒ 1. defecation
 - ☒ 2. secretion
 - ☒ 3. transportation
 - ☒ 4. excretion

Question Type : **MCQ**

Question ID : **6306801217297**

Option 1 ID : **6306804788657**

Option 2 ID : **6306804788656**

Option 3 ID : **6306804788658**

Option 4 ID : **6306804788655**

Status : **Answered**

Chosen Option : **4**

Q.74 The kinetic energy of a body of mass 2 kg, which is moving with the constant velocity 5 m/sec, is _____.

- Ans**
- ☒ 1. 50 joules
 - ☒ 2. 25 joules
 - ☒ 3. 100 joules
 - ☒ 4. 10 joules

Question Type : **MCQ**

Question ID : **6306801217150**

Option 1 ID : **6306804788056**

Option 2 ID : **6306804788057**

Option 3 ID : **6306804788058**

Option 4 ID : **6306804788055**

Status : **Answered**

Chosen Option : **2**

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 : 529 :: 21 : Y

- Ans**
- ☒ 1. X = 12, Y = 729
 - ☒ 2. X = 11, Y = 625
 - ☒ 3. X = 14, Y = 529
 - ☒ 4. X = 18, Y = 676

Question Type : **MCQ**

Question ID : **6306801214657**

Option 1 ID : **6306804777849**

Option 2 ID : **6306804777847**

Option 3 ID : **6306804777848**

Option 4 ID : **6306804777846**

Status : **Not Answered**

Chosen Option : **--**