



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



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Laxman Nagar
Test Date	29/11/2024
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 The gravitational force between two objects of masses  $m_1$  and  $m_2$  is directly proportional to \_\_\_\_\_.

- Ans
- 1.  $m_1 - m_2$
  - 2.  $m_2 - m_1$
  - 3.  $m_1 \times m_2$
  - 4.  $\frac{m_1}{m_2}$

Question Type : MCQ

Question ID : 6306801217154

Option 1 ID : 6306804788071

Option 2 ID : 6306804788074

Option 3 ID : 6306804788073

Option 4 ID : 6306804788072

Status : Answered

Chosen Option : 3

Q.2 Two trains of equal length, running at the speeds of 60 km/h and 40 km/h, take 50 seconds to cross each other while they are running in the same direction. What time will they take to cross each other if they are running in opposite directions?

- Ans
- 1. 8 sec
  - 2. 9 sec
  - 3. 7 sec
  - 4. 10 sec

Question Type : MCQ

Question ID : 6306801213216

Option 1 ID : 6306804772032

Option 2 ID : 6306804772031

Option 3 ID : 6306804772033

Option 4 ID : 6306804772030

Status : Answered

Chosen Option : 4

Q.3 The nature of an image formed by a concave mirror when an object is kept at the position between the principal focus and the pole of the mirror is \_\_\_\_\_.

- Ans
- 1. real and inverted
  - 2. virtual and erect
  - 3. real and erect
  - 4. virtual and inverted

Question Type : MCQ

Question ID : 6306801217203

Option 1 ID : 6306804788267

Option 2 ID : 6306804788270

Option 3 ID : 6306804788268

Option 4 ID : 6306804788269

Status : Answered

Chosen Option : 2

**Q.4** Select the set, from the given options, in which the numbers are related in the same way as are the numbers of the following sets.

(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.)

(6, 13, 78)

(5, 22, 110)

- Ans**
- 1. (8, 19, 162)
  - 2. (24, 9, 206)
  - 3. (8, 12, 96)
  - 4. (7, 13, 90)

Question Type : **MCQ**  
Question ID : **6306801214438**  
Option 1 ID : **6306804776973**  
Option 2 ID : **6306804776972**  
Option 3 ID : **6306804776970**  
Option 4 ID : **6306804776971**  
Status : **Answered**  
Chosen Option : **3**

**Q.5** 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. PL-OR
  - 2. NJ-MP
  - 3. LH-KN
  - 4. SO-RV

Question Type : **MCQ**  
Question ID : **6306801214667**  
Option 1 ID : **6306804777888**  
Option 2 ID : **6306804777887**  
Option 3 ID : **6306804777886**  
Option 4 ID : **6306804777889**  
Status : **Answered**  
Chosen Option : **4**

**Q.6** A, B, E, F, L, M and P are sitting around a circular table, facing the centre. Only three people sit between P and E when counted from the left of P. Only three people sit between M and A when counted from the right of A. L sits to the immediate right of M. F is an immediate neighbour of A as well as E. Who sits second to the left of B?

- Ans**
- 1. P
  - 2. F
  - 3. E
  - 4. A

Question Type : **MCQ**  
Question ID : **6306801214491**  
Option 1 ID : **6306804777182**  
Option 2 ID : **6306804777184**  
Option 3 ID : **6306804777185**  
Option 4 ID : **6306804777183**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : **--**

**Q.7** 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 : 649 :: 956 : Y

- Ans**
- 1. X = 923, Y = 738
  - 2. X = 894, Y = 711
  - 3. X = 944, Y = 742
  - 4. X = 876, Y = 724

Question Type : **MCQ**

Question ID : **6306801214618**

Option 1 ID : **6306804777691**

Option 2 ID : **6306804777690**

Option 3 ID : **6306804777693**

Option 4 ID : **6306804777692**

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

Chosen Option : --

**Q.8** Which of the following organisms does NOT show asexual reproduction by means of fission?

- Ans**
- 1. Earthworm
  - 2. Leishmania
  - 3. Plasmodium
  - 4. Amoeba

Question Type : **MCQ**

Question ID : **6306801217338**

Option 1 ID : **6306804788826**

Option 2 ID : **6306804788825**

Option 3 ID : **6306804788824**

Option 4 ID : **6306804788823**

Status : **Answered**

Chosen Option : **3**

**Q.9** The simple interest on ₹1,280 at 5% p.a. in 3 years is:

- Ans**
- 1. ₹185
  - 2. ₹195
  - 3. ₹192
  - 4. ₹180

Question Type : **MCQ**

Question ID : **6306801213184**

Option 1 ID : **6306804771905**

Option 2 ID : **6306804771902**

Option 3 ID : **6306804771904**

Option 4 ID : **6306804771903**

Status : **Answered**

Chosen Option : **3**

Q.10 What is the title of Parimal Nathwani's book, which was presented to PM Modi in 2024?

- Ans  1. Call of the Gir  
 2. The Pride of Gujarat  
 3. The Kingdom of Lions  
 4. Asiatic Lions: A Conservation Story

Question Type : MCQ  
Question ID : 6306801138964  
Option 1 ID : 6306804475981  
Option 2 ID : 6306804475980  
Option 3 ID : 6306804475983  
Option 4 ID : 6306804475982  
Status : Not Answered  
Chosen Option : --

Q.11 Evaluate the given expression.

$$(-4) + (-12) \div (-6)$$

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

Question Type : MCQ  
Question ID : 6306801213084  
Option 1 ID : 6306804771505  
Option 2 ID : 6306804771504  
Option 3 ID : 6306804771502  
Option 4 ID : 6306804771503  
Status : Answered  
Chosen Option : 3

Q.12 In September 2024, Prime Minister Narendra Modi launched three \_\_\_\_\_ supercomputers, developed indigenously under the National Supercomputing Mission.

- Ans  1. PARAM Surya  
 2. Parma Chandra  
 3. PARAM Rudra  
 4. PARAM Shakti

Question Type : MCQ  
Question ID : 6306801137586  
Option 1 ID : 6306804470537  
Option 2 ID : 6306804470538  
Option 3 ID : 6306804470536  
Option 4 ID : 6306804470535  
Status : Answered  
Chosen Option : 4

Q.13 What organisation is hosting the six-day international festival on Indian dance from 16 October 2024 in Delhi?

- Ans
- 1. Indian Council for Cultural Relations
  - 2. Kathak Kendra
  - 3. Kalakshetra Foundation
  - 4. Sangeet Natak Akademi

Question Type : MCQ  
Question ID : 6306801146056  
Option 1 ID : 6306804504383  
Option 2 ID : 6306804504386  
Option 3 ID : 6306804504385  
Option 4 ID : 6306804504384  
Status : Answered  
Chosen Option : 4

Q.14 RGEL is related to VKAH in a certain way based on the English alphabetical order. In the same way, HWOV is related to LAKR. To which of the following options is TICJ related, following the same logic?

- Ans
- 1. XMYF
  - 2. XNYG
  - 3. XNYF
  - 4. XMZF

Question Type : MCQ  
Question ID : 6306801214458  
Option 1 ID : 6306804777052  
Option 2 ID : 6306804777053  
Option 3 ID : 6306804777051  
Option 4 ID : 6306804777050  
Status : Answered  
Chosen Option : 1

Q.15 A dishonest dealer professes to sell goods at the cost price, but uses a false weight of 900 grams instead of a kg. His gain percentage is:

- Ans
- 1.  $11\frac{2}{9}\%$
  - 2.  $11\frac{1}{9}\%$
  - 3. 11%
  - 4. 10%

Question Type : MCQ  
Question ID : 6306801213165  
Option 1 ID : 6306804771827  
Option 2 ID : 6306804771828  
Option 3 ID : 6306804771826  
Option 4 ID : 6306804771829  
Status : Answered  
Chosen Option : 2

Q.16 The Defence Research and Development Organisation's headquarters is located in

- Ans
- 1. Bengaluru
  - 2. New Delhi
  - 3. Hyderabad
  - 4. Mumbai

Question Type : MCQ  
Question ID : 630680901941  
Option 1 ID : 6306803533457  
Option 2 ID : 6306803533460  
Option 3 ID : 6306803533458  
Option 4 ID : 6306803533459  
Status : Answered  
Chosen Option : 2

Q.17 Which of the following options does NOT represent a property of solids?

- Ans
- 1. They have distinct boundaries and fixed volumes.
  - 2. They have a tendency to maintain their shape when subjected to outside force.
  - 3. They have a definite shape.
  - 4. It is not difficult to change their shape.

Question Type : MCQ  
Question ID : 6306801219360  
Option 1 ID : 6306804796848  
Option 2 ID : 6306804796849  
Option 3 ID : 6306804796847  
Option 4 ID : 6306804796850  
Status : Answered  
Chosen Option : 4

Q.18 Simplify:  $(1 - \sec^2 \theta)(1 - \sin \theta)(1 + \sin \theta)(1 + \cot^2 \theta)$ .

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

Question Type : MCQ  
Question ID : 6306801213367  
Option 1 ID : 6306804772635  
Option 2 ID : 6306804772636  
Option 3 ID : 6306804772637  
Option 4 ID : 6306804772634  
Status : Not Answered  
Chosen Option : --

Q.19 In two triangles ABC and DEF, if  $\overline{AB} = \overline{EF}$ ,  $\overline{BC} = \overline{DF}$  and  $\overline{CA} = \overline{DE}$ , then:

- Ans
- 1.  $\triangle DEF \cong \triangle BCA$
  - 2.  $\triangle BAC \cong \triangle FDE$
  - 3.  $\triangle CBA \cong \triangle DFE$
  - 4.  $\triangle ABC \cong \triangle DEF$

Question Type : MCQ  
Question ID : 6306801213358  
Option 1 ID : 6306804772601  
Option 2 ID : 6306804772600  
Option 3 ID : 6306804772599  
Option 4 ID : 6306804772598  
Status : Answered  
Chosen Option : 3

Q.20 Find the perimeter of a rhombus whose diagonals are of lengths 6 cm and 8 cm.

- Ans
- 1. 26 cm
  - 2. 25 cm
  - 3. 24 cm
  - 4. 20 cm

Question Type : MCQ  
Question ID : 6306801213323  
Option 1 ID : 6306804772459  
Option 2 ID : 6306804772460  
Option 3 ID : 6306804772461  
Option 4 ID : 6306804772458  
Status : Answered  
Chosen Option : 3

Q.21 Which element is needed by the thyroid gland to produce thyroxine hormone?

- Ans
- 1. Potassium
  - 2. Sodium
  - 3. Calcium
  - 4. Iodine

Question Type : MCQ  
Question ID : 6306801237200  
Option 1 ID : 6306804864897  
Option 2 ID : 6306804864896  
Option 3 ID : 6306804864899  
Option 4 ID : 6306804864898  
Status : Answered  
Chosen Option : 4



Q.22 When white light is incident on a glass prism, it undergoes dispersion. This phenomenon is due to \_\_\_\_\_.

Ans  1.

refractive index of the glass being different for different colours

2.

refractive index of the glass being the same for different colours

3. diffraction of the light

4. interference of the light

Question Type : MCQ

Question ID : 6306801217195

Option 1 ID : 6306804788236

Option 2 ID : 6306804788235

Option 3 ID : 6306804788238

Option 4 ID : 6306804788237

Status : Answered

Chosen Option : 3

Q.23 Which of the following is NOT an example of osmosis?

Ans  1. Gaining of water by unicellular fresh water organisms

2. Swelling of raisins when soaked in water

3. Absorption of water by plant roots

4. Movement of  $O_2$  and  $CO_2$  in and out of the living cell

Question Type : MCQ

Question ID : 6306801237215

Option 1 ID : 6306804864958

Option 2 ID : 6306804864959

Option 3 ID : 6306804864957

Option 4 ID : 6306804864956

Status : Answered

Chosen Option : 4

Q.24 Which of the following statements is correct according to the law of conservation of mass?

Ans  1. Mass can be destroyed in a chemical reaction.

2. Mass can be created in a chemical reaction.

3.

Mass can neither be created nor be destroyed in a chemical reaction.

4.

Mass can be created but cannot be destroyed in a chemical reaction.

Question Type : MCQ

Question ID : 6306801219350

Option 1 ID : 6306804796808

Option 2 ID : 6306804796807

Option 3 ID : 6306804796809

Option 4 ID : 6306804796810

Status : Answered

Chosen Option : 3

**Q.25** Select the number from among the given options that can replace the question mark (?) in the following series.

175 221 267 313 359 ?

- Ans**
- 1. 405
  - 2. 429
  - 3. 413
  - 4. 431

Question Type : **MCQ**  
Question ID : **6306801214643**  
Option 1 ID : **6306804777790**  
Option 2 ID : **6306804777791**  
Option 3 ID : **6306804777792**  
Option 4 ID : **6306804777793**  
Status : **Answered**  
Chosen Option : **1**

**Q.26** TRPMK is related to XVTQO in a certain way based on the English alphabetical order. In the same way, LJHEC is related to PNLIG. To which of the following options is KIGDB related, following the same logic?

- Ans**
- 1. OMKIG
  - 2. OMKIF
  - 3. NLJGE
  - 4. OMKHF

Question Type : **MCQ**  
Question ID : **6306801214428**  
Option 1 ID : **6306804776930**  
Option 2 ID : **6306804776931**  
Option 3 ID : **6306804776932**  
Option 4 ID : **6306804776932**  
Status : **Answered**  
Chosen Option : **4**

**Q.27** Which two numbers should be interchanged to make the given equation correct?

$$75 + 5 + 15 \times 4 - 17 \times 3 + (60 + 6) \times 10 = 100$$

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

- Ans**
- 1. 3 and 6
  - 2. 17 and 15
  - 3. 5 and 3
  - 4. 3 and 4

Question Type : **MCQ**  
Question ID : **6306801214629**  
Option 1 ID : **6306804777737**  
Option 2 ID : **6306804777734**  
Option 3 ID : **6306804777736**  
Option 4 ID : **6306804777735**  
Status : **Answered**  
Chosen Option : **3**

**Q.28** The sum of a two-digit number and the number obtained by reversing the digits is 99. If the digits of the number differ by 7, then the two-digit number can be:

- Ans**
- 1. 29
  - 2. 92
  - 3. 81
  - 4. 19

Question Type : **MCQ**  
Question ID : **6306801213301**  
Option 1 ID : **6306804772370**  
Option 2 ID : **6306804772373**  
Option 3 ID : **6306804772372**  
Option 4 ID : **6306804772371**  
Status : **Answered**  
Chosen Option : **3**

**Q.29** Umesh took 100 chocolates out of 250 chocolates from Ruchi. Umesh gave 20% of his chocolates to Shalaka and 35% of his chocolates to Marry. Then Ruchi gave 50% of her remaining chocolates to Umesh. Find the number of chocolates Umesh had at the end.

- Ans**
- 1. 125
  - 2. 75
  - 3. 120
  - 4. 130

Question Type : **MCQ**  
Question ID : **6306801213140**  
Option 1 ID : **6306804771728**  
Option 2 ID : **6306804771726**  
Option 3 ID : **6306804771727**  
Option 4 ID : **6306804771729**  
Status : **Answered**  
Chosen Option : **1**

**Q.30** P is 30% more efficient than Q. How much time will they, working together, take to complete a job that P alone could have done in 23 days?

- Ans**
- 1. 10 days
  - 2.  $20\frac{3}{17}$  days
  - 3. 11 days
  - 4. 13 days

Question Type : **MCQ**  
Question ID : **6306801213235**  
Option 1 ID : **6306804772106**  
Option 2 ID : **6306804772109**  
Option 3 ID : **6306804772107**  
Option 4 ID : **6306804772108**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : **--**

Q.31 The number of chromosomes become half in a daughter cell by the process of:

- Ans
- 1. amitosis
  - 2. binary fission
  - 3. meiosis
  - 4. mitosis

Question Type : MCQ

Question ID : 6306801217292

Option 1 ID : 6306804788637

Option 2 ID : 6306804788638

Option 3 ID : 6306804788636

Option 4 ID : 6306804788635

Status : Answered

Chosen Option : 4

Q.32 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 cars are bikes.

All bikes are trucks.

Conclusions:

(I) Some trucks are cars.

(II) All trucks are cars.

- 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 : 6306801214534

Option 1 ID : 6306804777356

Option 2 ID : 6306804777355

Option 3 ID : 6306804777357

Option 4 ID : 6306804777354

Status : Answered

Chosen Option : 4

Q.33 Who among the following is currently the Governor of the Reserve Bank of India (RBI) as of 2024?

- Ans
- 1. Urjit Patel
  - 2. Raghuram Rajan
  - 3. Shaktikanta Das
  - 4. Duvvuri Subbarao

Question Type : MCQ

Question ID : 6306801146128

Option 1 ID : 6306804504663

Option 2 ID : 6306804504665

Option 3 ID : 6306804504664

Option 4 ID : 6306804504666

Status : Answered

Chosen Option : 3

**Q.34** Given below is a statement followed by two possible reasons numbered I and II. Read the statement carefully and decide which of the two explain(s) the event/observation/information given in the statement.

Statement – Price of tomatoes has been steadily rising in the last two weeks and has crossed ₹200 per kg in most parts of the country.

Reasons:

(I) Farmers have reported a new unknown insect infestation in tomato crops, which has affected the crop output of tomatoes in many states across the country.

(II) Heavy flooding in many states during the monsoon season has destroyed many standing vegetable crops, leading to shortages in supplies.

- Ans**
- 1. Only I is a possible reason.
  - 2. Both I and II are possible reasons.
  - 3. Only II is a possible reason.
  - 4. Neither I nor II is a possible reason.

Question Type : **MCQ**  
Question ID : **6306801214352**  
Option 1 ID : **6306804776626**  
Option 2 ID : **6306804776629**  
Option 3 ID : **6306804776627**  
Option 4 ID : **6306804776628**  
Status : **Answered**  
Chosen Option : **2**

**Q.35** India scripted history at the 2024 edition of Chess Olympiad, winning the gold medal in both the open and women's section for the \_\_\_\_\_.

- Ans**
- 1. Third time
  - 2. Fourth Time
  - 3. First Time
  - 4. Second Time

Question Type : **MCQ**  
Question ID : **6306801134538**  
Option 1 ID : **6306804458263**  
Option 2 ID : **6306804458264**  
Option 3 ID : **6306804458261**  
Option 4 ID : **6306804458262**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : **--**

**Q.36** Amit bought a laptop at a 25% discount on its marked price. If he paid ₹28,500 for the laptop, what was its marked price?

- Ans**
- 1. ₹37,400
  - 2. ₹37,000
  - 3. ₹38,600
  - 4. ₹38,000

Question Type : **MCQ**  
Question ID : **6306801213167**  
Option 1 ID : **6306804771836**  
Option 2 ID : **6306804771837**  
Option 3 ID : **6306804771834**  
Option 4 ID : **6306804771835**  
Status : **Answered**  
Chosen Option : **4**

Q.37 Who among the following won the Gold Medal in 2020 Paralympics and Silver in 2024 Paralympics in Shooting?

- Ans
- 1. Manish Narwal
  - 2. Rubina Francis
  - 3. Pramod Bhagat
  - 4. Nishad Kuamr

Question Type : MCQ  
Question ID : 6306801132237  
Option 1 ID : 6306804449057  
Option 2 ID : 6306804449055  
Option 3 ID : 6306804449054  
Option 4 ID : 6306804449056  
Status : Answered  
Chosen Option : 3

Q.38 In a row of 34 students facing North, Jignesh is 12<sup>th</sup> from the right end. If Kamlesh is 7<sup>th</sup> to the left of Jignesh, what is Kamlesh's position from the left end of the line?

- Ans
- 1. 17<sup>th</sup>
  - 2. 19<sup>th</sup>
  - 3. 18<sup>th</sup>
  - 4. 16<sup>th</sup>

Question Type : MCQ  
Question ID : 6306801214462  
Option 1 ID : 6306804777067  
Option 2 ID : 6306804777069  
Option 3 ID : 6306804777068  
Option 4 ID : 6306804777066  
Status : Answered  
Chosen Option : 2

Q.39 Simplify the following expression:

$$9991 \times 10009$$

- Ans
- 1. 91999919
  - 2. 9999999
  - 3. 9999919
  - 4. 99999919

Question Type : MCQ  
Question ID : 6306801213279  
Option 1 ID : 6306804772284  
Option 2 ID : 6306804772283  
Option 3 ID : 6306804772282  
Option 4 ID : 6306804772285  
Status : Answered  
Chosen Option : 4

**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?

EGI, KMO, QSU, WYA, ?

- Ans**
- 1. CFI
  - 2. DGJ
  - 3. CEG
  - 4. DFH

Question Type : **MCQ**  
Question ID : **6306801214569**  
Option 1 ID : **6306804777494**  
Option 2 ID : **6306804777497**  
Option 3 ID : **6306804777496**  
Option 4 ID : **6306804777495**  
Status : **Answered**  
Chosen Option : **3**

**Q.41** The HCF of the numbers 310, 208 and 180 is:

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

Question Type : **MCQ**  
Question ID : **6306801213110**  
Option 1 ID : **6306804771609**  
Option 2 ID : **6306804771607**  
Option 3 ID : **6306804771606**  
Option 4 ID : **6306804771608**  
Status : **Answered**  
Chosen Option : **3**

**Q.42** Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

SHK, WLO, APS, ETW, ?

- Ans**
- 1. IXB
  - 2. IXA
  - 3. IYA
  - 4. JXA

Question Type : **MCQ**  
Question ID : **6306801214493**  
Option 1 ID : **6306804777190**  
Option 2 ID : **6306804777192**  
Option 3 ID : **6306804777191**  
Option 4 ID : **6306804777193**  
Status : **Answered**  
Chosen Option : **2**



**Q.43** 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. RY-VC
  - 2. QX-UB
  - 3. AD-GJ
  - 4. DK-HO

Question Type : **MCQ**  
Question ID : **6306801214487**  
Option 1 ID : **6306804777166**  
Option 2 ID : **6306804777168**  
Option 3 ID : **6306804777169**  
Option 4 ID : **6306804777167**  
Status : **Answered**  
Chosen Option : **3**

**Q.44** In a certain code language, 'RUIN' is coded as '3719' and 'RUNG' is coded as '7916'. What is the code for 'G' in the given code language?

- Ans**
- 1. 1
  - 2. 9
  - 3. 6
  - 4. 7

Question Type : **MCQ**  
Question ID : **6306801214503**  
Option 1 ID : **6306804777230**  
Option 2 ID : **6306804777233**  
Option 3 ID : **6306804777231**  
Option 4 ID : **6306804777232**  
Status : **Answered**  
Chosen Option : **3**

**Q.45** If  $a : b = 3 : 2$  and  $b : c = 4 : 5$ , then  $a : b : c = ?$

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

Question Type : **MCQ**  
Question ID : **6306801213195**  
Option 1 ID : **6306804771949**  
Option 2 ID : **6306804771947**  
Option 3 ID : **6306804771946**  
Option 4 ID : **6306804771948**  
Status : **Answered**  
Chosen Option : **3**



**Q.46** An order was placed for the supply of a carpet whose breadth was 6 m and whose length were 1.44 times the breadth. What is the cost of a carpet whose length and breadth are 40% more and 25% more respectively than the first carpet. [The cost of a carpet is Rs. 45 per sq m.]

- Ans
- 1. Rs. 3868.80
  - 2. Rs. 4082.40
  - 3. Rs. 4216.20
  - 4. Rs. 3642.60

Question Type : **MCQ**  
Question ID : **6306801213336**  
Option 1 ID : **6306804772511**  
Option 2 ID : **6306804772513**  
Option 3 ID : **6306804772512**  
Option 4 ID : **6306804772510**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.47** Each letter in the word HYDROMETER is changed to the letter preceding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

- Ans
- 1. L
  - 2. G
  - 3. N
  - 4. Q

Question Type : **MCQ**  
Question ID : **6306801214481**  
Option 1 ID : **6306804777145**  
Option 2 ID : **6306804777144**  
Option 3 ID : **6306804777142**  
Option 4 ID : **6306804777143**  
Status : **Not Answered**  
Chosen Option : --

**Q.48** Which Kashmiri wood carver was honoured with the Padma Shri award in 2024 for his contributions in the field of art?

- Ans
- 1. Shri Ghulam Nabi Dar
  - 2. Mohammad Yousuf
  - 3. Bashir Ahmad Mir
  - 4. Abdul Rashid Khan

Question Type : **MCQ**  
Question ID : **6306801146078**  
Option 1 ID : **6306804504469**  
Option 2 ID : **6306804504470**  
Option 3 ID : **6306804504467**  
Option 4 ID : **6306804504468**  
Status : **Not Answered**  
Chosen Option : --

Q.49 By how much is 80% of 40 greater than  $\frac{4}{5}$  of 25?

- Ans
- 1. 6
  - 2. 4
  - 3. 9
  - 4. 12

Question Type : MCQ  
Question ID : 6306801213125  
Option 1 ID : 6306804771667  
Option 2 ID : 6306804771666  
Option 3 ID : 6306804771668  
Option 4 ID : 6306804771669  
Status : Answered  
Chosen Option : 4

Q.50 Which of the following types of reaction represents formation of slaked lime from calcium oxide and water?

- Ans
- 1. Precipitation reaction
  - 2. Combination reaction
  - 3. Decomposition reaction
  - 4. Displacement reaction

Question Type : MCQ  
Question ID : 6306801219413  
Option 1 ID : 6306804797062  
Option 2 ID : 6306804797060  
Option 3 ID : 6306804797059  
Option 4 ID : 6306804797061  
Status : Answered  
Chosen Option : 2

Q.51 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only two people sit to the left of A. Only three people sit between G and A. C is an immediate neighbour of F and E. D sits second to the left of F. How many people sit to the left of F?

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

Question Type : MCQ  
Question ID : 6306801214363  
Option 1 ID : 6306804776671  
Option 2 ID : 6306804776673  
Option 3 ID : 6306804776670  
Option 4 ID : 6306804776672  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.52 Ms. Yanung Jamoh Lego, who has been conferred with Padma Shri award in the field of Agriculture in 2024, belongs to which state of India?

- Ans
- 1. Rajasthan
  - 2. Madhya Pradesh
  - 3. Arunachal Pradesh
  - 4. Maharashtra

Question Type : MCQ  
Question ID : 630680746994  
Option 1 ID : 6306802928096  
Option 2 ID : 6306802928099  
Option 3 ID : 6306802928098  
Option 4 ID : 6306802928097  
Status : Answered  
Chosen Option : 3

Q.53 Evaluate the given expression.

$$16 + 8 \div 4 - 2 \times 3$$

- Ans
- 1. 6
  - 2. 12
  - 3. 18
  - 4. 0

Question Type : MCQ  
Question ID : 6306801213081  
Option 1 ID : 6306804771491  
Option 2 ID : 6306804771492  
Option 3 ID : 6306804771493  
Option 4 ID : 6306804771490  
Status : Answered  
Chosen Option : 2

Q.54 In a certain code language, 'bright as day' is coded as 'cb mn ju' and 'day and night' is coded as 'mn fd rs'. How is 'day' coded in the given language?

- Ans
- 1. ju
  - 2. mn
  - 3. fd
  - 4. cb

Question Type : MCQ  
Question ID : 6306801214420  
Option 1 ID : 6306804776898  
Option 2 ID : 6306804776900  
Option 3 ID : 6306804776899  
Option 4 ID : 6306804776901  
Status : Answered  
Chosen Option : 2

Q.55 Which of the following Acts was amended in 2023 to enhance child protection measures in India?

- Ans
- 1. Right to Education Act
  - 2. Juvenile Justice (Care and Protection of Children) Act
  - 3. Protection of Children from Sexual Offences Act
  - 4. Child Labour (Prohibition and Regulation) Act

Question Type : MCQ  
Question ID : 6306801147026  
Option 1 ID : 6306804508238  
Option 2 ID : 6306804508237  
Option 3 ID : 6306804508239  
Option 4 ID : 6306804508240  
Status : Answered  
Chosen Option : 3

Q.56 The magnetic field produced by a current-carrying wire at a given point depends on which of the following factors?

- Ans
- 1. Neither distance from the wire nor current through the wire
  - 2. Current flowing through the wire Only
  - 3. Distance from the wire Only
  - 4. Both distance from the wire and current through the wire

Question Type : MCQ  
Question ID : 6306801217224  
Option 1 ID : 6306804788353  
Option 2 ID : 6306804788352  
Option 3 ID : 6306804788351  
Option 4 ID : 6306804788354  
Status : Answered  
Chosen Option : 4

Q.57 Select the correct option for liquid connective tissue.

- Ans
- 1. Areolar connective tissue
  - 2. Blood
  - 3. Adipose connective tissue
  - 4. Cartilage

Question Type : MCQ  
Question ID : 6306801237214  
Option 1 ID : 6306804864954  
Option 2 ID : 6306804864953  
Option 3 ID : 6306804864955  
Option 4 ID : 6306804864952  
Status : Answered  
Chosen Option : 3

**Q.58** 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 gold are silver.

Some silver are diamonds.

Conclusions:

(I) Some diamonds are gold.

(II) Some silver are gold.

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

Question Type : **MCQ**

Question ID : **6306801214537**

Option 1 ID : **6306804777368**

Option 2 ID : **6306804777366**

Option 3 ID : **6306804777369**

Option 4 ID : **6306804777367**

Status : **Answered**

Chosen Option : **3**

**Q.59** The weights (in kg) of 9 members of a school cricket team are 50, 63, x, 62, 64, 48, 51, 55, 48. If the mean weight is 56 kg, then the value of x is \_\_\_\_\_.

- Ans**
- 1. 48
  - 2. 64
  - 3. 57
  - 4. 63

Question Type : **MCQ**

Question ID : **6306801213266**

Option 1 ID : **6306804772231**

Option 2 ID : **6306804772230**

Option 3 ID : **6306804772233**

Option 4 ID : **6306804772232**

Status : **Answered**

Chosen Option : **4**

**Q.60** A solution contains 40 g of common salt in 320 g of water. What is the concentration of the solution in terms of mass by mass percentage?

- Ans**
- 1. 11.1%
  - 2. 1.0%
  - 3. 11.0%
  - 4. 11.3%

Question Type : **MCQ**

Question ID : **6306801219370**

Option 1 ID : **6306804796888**

Option 2 ID : **6306804796890**

Option 3 ID : **6306804796887**

Option 4 ID : **6306804796889**

Status : **Answered**

Chosen Option : **1**

Q.61 Which of the following is formed when carbon dioxide reacts with calcium hydroxide?

- Ans
- 1. Carbon monoxide
  - 2. Calcium oxide
  - 3. Calcium carbonate
  - 4. Methane

Question Type : MCQ  
Question ID : 6306801219382  
Option 1 ID : 6306804796937  
Option 2 ID : 6306804796938  
Option 3 ID : 6306804796936  
Option 4 ID : 6306804796935  
Status : Answered  
Chosen Option : 3

Q.62 The median of the observations 4, 14, 11, 8, 7, 8, 9, 12, 4 and 6 is:

- Ans
- 1. 11
  - 2. 9
  - 3. 10
  - 4. 8

Question Type : MCQ  
Question ID : 6306801213253  
Option 1 ID : 6306804772178  
Option 2 ID : 6306804772180  
Option 3 ID : 6306804772179  
Option 4 ID : 6306804772181  
Status : Answered  
Chosen Option : 4

Q.63 If a force 'F' acts on a body such that body gets displaced through the distance 'x' in the direction of the force, then the work done by the force is \_\_\_\_\_.

- Ans
- 1.  $Fx$
  - 2.  $x/F$
  - 3.  $F/x$
  - 4.  $x^2F$

Question Type : MCQ  
Question ID : 6306801217140  
Option 1 ID : 6306804788016  
Option 2 ID : 6306804788017  
Option 3 ID : 6306804788015  
Option 4 ID : 6306804788018  
Status : Answered  
Chosen Option : 1

Q.64 Which of the following substances can move across the cell membrane by diffusion?

- Ans
- 1. Nucleic acid
  - 2. Oxygen
  - 3. Proteins
  - 4. Starch

Question Type : MCQ

Question ID : 6306801217352

Option 1 ID : 6306804788882

Option 2 ID : 6306804788880

Option 3 ID : 6306804788879

Option 4 ID : 6306804788881

Status : Answered

Chosen Option : 2

Q.65 Which of the following household items does NOT use the heating effect of current?

- Ans
- 1. Electric stove (heater)
  - 2. Electric water heater
  - 3. Electric motor
  - 4. Electric iron box

Question Type : MCQ

Question ID : 6306801217171

Option 1 ID : 6306804788139

Option 2 ID : 6306804788141

Option 3 ID : 6306804788142

Option 4 ID : 6306804788140

Status : Answered

Chosen Option : 3

Q.66 In a certain code language,  
A + B means 'A is the mother of B',  
A - B means 'A is the brother of B',  
A × B means 'A is the wife of B',  
A ÷ 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 - R × P ÷ S - T + K'?

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

Question Type : MCQ  
Question ID : 6306801214368  
Option 1 ID : 6306804776690  
Option 2 ID : 6306804776691  
Option 3 ID : 6306804776692  
Option 4 ID : 6306804776693  
Status : Answered  
Chosen Option : 4

Q.67 If each vowel in the word ELASTIC 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, then which of the following letters will be fourth from the right in the group of letter thus formed?

- Ans
- 1. T
  - 2. U
  - 3. B
  - 4. M

Question Type : MCQ  
Question ID : 6306801214597  
Option 1 ID : 6306804777606  
Option 2 ID : 6306804777607  
Option 3 ID : 6306804777608  
Option 4 ID : 6306804777609  
Status : Not Attempted and Marked For Review  
Chosen Option : --



**Q.68** Sharad starts from Point Y and drives 9 km towards the South. He then takes a left turn, drives 19 km, turns right and drives 23 km. He then takes a right turn and drives 8 km. He takes a right turn and drives 17 km. He then turns left, drives 11 km, turns left and drives 6 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. 23 km towards the south
  - 2. 26 km towards the north
  - 3. 15 km towards the south
  - 4. 21 km towards the north

Question Type : MCQ

Question ID : 6306801214344

Option 1 ID : 6306804776596

Option 2 ID : 6306804776597

Option 3 ID : 6306804776594

Option 4 ID : 6306804776595

Status : Not Attempted and Marked For Review

Chosen Option : --

**Q.69** If + means -, - means ×, × means +, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$28 - 6 \div 4 + 14 \times 14 = ?$$

- Ans**
- 1. 169
  - 2. 168
  - 3. 160
  - 4. 171

Question Type : MCQ

Question ID : 6306801214562

Option 1 ID : 6306804777467

Option 2 ID : 6306804777466

Option 3 ID : 6306804777468

Option 4 ID : 6306804777469

Status : Answered

Chosen Option : 4

**Q.70** Which of the following compounds is unsaturated?

- Ans**
- 1.  $C_4H_{10}$
  - 2.  $C_2H^6$
  - 3.  $C_2H_4$
  - 4.  $C_3H_8$

Question Type : MCQ

Question ID : 6306801219406

Option 1 ID : 6306804797034

Option 2 ID : 6306804797031

Option 3 ID : 6306804797033

Option 4 ID : 6306804797032

Status : Answered

Chosen Option : 3

**Q.71** 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 long will take for 2 women and 1 man to build it together?

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

Question Type : **MCQ**  
Question ID : **6306801213308**  
Option 1 ID : **6306804772398**  
Option 2 ID : **6306804772399**  
Option 3 ID : **6306804772401**  
Option 4 ID : **6306804772400**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.72** A car moving along a straight path slows down and stops. The car is under which type of motion?

- Ans**
- 1. Uniform motion
  - 2. Non-uniform motion
  - 3. Circular motion
  - 4. Periodic motion

Question Type : **MCQ**  
Question ID : **6306801217211**  
Option 1 ID : **6306804788299**  
Option 2 ID : **6306804788300**  
Option 3 ID : **6306804788301**  
Option 4 ID : **6306804788302**  
Status : **Answered**  
Chosen Option : **2**

**Q.73** Which of the following metals CANNOT be cut with a knife?

- Ans**
- 1. Copper
  - 2. Potassium
  - 3. Lithium
  - 4. Sodium

Question Type : **MCQ**  
Question ID : **6306801219392**  
Option 1 ID : **6306804796977**  
Option 2 ID : **6306804796978**  
Option 3 ID : **6306804796975**  
Option 4 ID : **6306804796976**  
Status : **Answered**  
Chosen Option : **1**

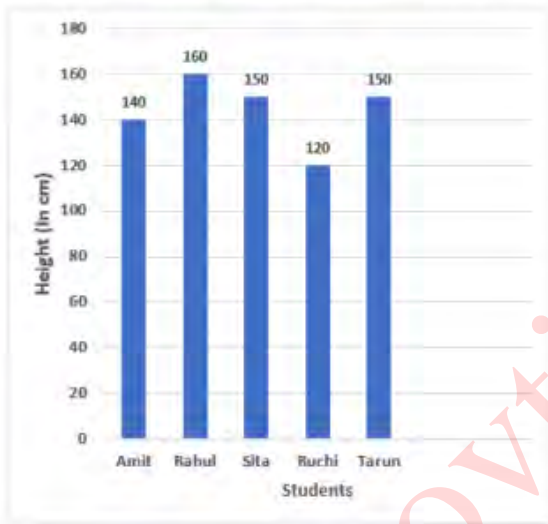
**Q.74** How many such pairs of letters are there in the word JOURNEY (in forward direction), each of which has as many letter in the same sequence between them in the word as in the English alphabet?

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

Question Type : **MCQ**  
Question ID : **6306801214600**  
Option 1 ID : **6306804777621**  
Option 2 ID : **6306804777618**  
Option 3 ID : **6306804777619**  
Option 4 ID : **6306804777620**  
Status : **Not Answered**  
Chosen Option : --

**Q.75** Study the following graph and answer the given question.

The graph shows the height of five students in a class.



What is the respective ratio between the height of Amit and height of Rahul?

- Ans**
- 1. 12 : 13
  - 2. 9 : 10
  - 3. 7 : 8
  - 4. 5 : 6

Question Type : **MCQ**  
Question ID : **6306801214567**  
Option 1 ID : **6306804777489**  
Option 2 ID : **6306804777488**  
Option 3 ID : **6306804777487**  
Option 4 ID : **6306804777486**  
Status : **Answered**  
Chosen Option : **3**



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



Roll Number	
Candidate Name	
Test Center Name	TCS Gito Bitan
Test Date	29/11/2024
Test Time	12:30 PM - 1:30 PM
Subject	ALP Stage 1
Application Photograph	
Exam Day Photograph	

\* Note

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

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

Section : RRB ALP

Q.1 How long will it take for ₹1,500 to become ₹2,040 at a rate of 8% per annum simple interest?

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

Question Type : MCQ  
Question ID : 6306801213180  
Option 1 ID : 6306804771888  
Option 2 ID : 6306804771887  
Option 3 ID : 6306804771889  
Option 4 ID : 6306804771886  
Status : Answered  
Chosen Option : 1

Q.2 Which of the following options should come in place of the question mark (?) in the given series to make it logically complete?

125, 128, 133, 140, 149, ?

- Ans
- 1. 158
  - 2. 156
  - 3. 154
  - 4. 160

Question Type : MCQ  
Question ID : 6306801214548  
Option 1 ID : 6306804777412  
Option 2 ID : 6306804777411  
Option 3 ID : 6306804777410  
Option 4 ID : 6306804777413  
Status : Answered  
Chosen Option : 4

Q.3 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Which numbers should replace X and Y so that the pattern followed by the two numbers on the left side of :: is the same as that on the right side of ::?

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

X : 803 :: 469 : Y

- Ans
- 1. X = 545, Y = 727
  - 2. X = 558, Y = 712
  - 3. X = 512, Y = 792
  - 4. X = 526, Y = 758

Question Type : MCQ  
Question ID : 6306801214655  
Option 1 ID : 6306804777838  
Option 2 ID : 6306804777840  
Option 3 ID : 6306804777841  
Option 4 ID : 6306804777839  
Status : Not Answered  
Chosen Option : --

Q.4 The 63<sup>rd</sup> National Open Athletics Championship was conducted in the city of \_\_\_\_\_.

- Ans
- 1. Bhopal
  - 2. Hyderabad
  - 3. Bengaluru
  - 4. Mumbai

Question Type : MCQ  
Question ID : 6306801134633  
Option 1 ID : 6306804458660  
Option 2 ID : 6306804458658  
Option 3 ID : 6306804458659  
Option 4 ID : 6306804458657  
Status : Not Answered  
Chosen Option : --

Q.5 If the radius of a sphere is increased by 2 cm, then its surface area increases by  $704 \text{ cm}^2$ . Using  $\pi = \frac{22}{7}$ , find the radius of the sphere after the increase.

- Ans
- 1. 14 cm
  - 2. 13 cm
  - 3. 15 cm
  - 4. 16 cm

Question Type : MCQ  
Question ID : 6306801213328  
Option 1 ID : 6306804772479  
Option 2 ID : 6306804772478  
Option 3 ID : 6306804772480  
Option 4 ID : 6306804772481  
Status : Answered  
Chosen Option : 3

Q.6 Different cell organelles such as mitochondria, ribosome, etc., together constitute the basic unit of life called the:

- Ans
- 1. tissue
  - 2. organ
  - 3. cell
  - 4. organ system

Question Type : MCQ  
Question ID : 6306801217296  
Option 1 ID : 6306804788652  
Option 2 ID : 6306804788653  
Option 3 ID : 6306804788651  
Option 4 ID : 6306804788654  
Status : Answered  
Chosen Option : 3

Q.7 The oxygen molecule is a \_\_\_\_\_.

- Ans
- 1. triatomic molecule
  - 2. tetraatomic molecule
  - 3. diatomic molecule
  - 4. monoatomic molecule

Question Type : MCQ  
Question ID : 6306801219355  
Option 1 ID : 6306804796829  
Option 2 ID : 6306804796830  
Option 3 ID : 6306804796827  
Option 4 ID : 6306804796828  
Status : Answered  
Chosen Option : 3

Q.8 Uniform circular motion is described by which of the following examples?

- Ans
- 1. A monkey jumping from one tree to another
  - 2. motion of clock hands
  - 3. A rain drop falling from the sky
  - 4. A car moving on a straight road

Question Type : MCQ  
Question ID : 6306801217215  
Option 1 ID : 6306804788317  
Option 2 ID : 6306804788318  
Option 3 ID : 6306804788316  
Option 4 ID : 6306804788315  
Status : Answered  
Chosen Option : 2

Q.9 Which two numbers should be interchanged to make the given equation correct?

$$3 \times (9 + 7 - 5) + (64 + 2) - 22 + 78 - 8 \times 4 = 82$$

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

- Ans
- 1. 7 and 5
  - 2. 3 and 4
  - 3. 64 and 78
  - 4. 2 and 4

Question Type : MCQ  
Question ID : 6306801214642  
Option 1 ID : 6306804777787  
Option 2 ID : 6306804777789  
Option 3 ID : 6306804777788  
Option 4 ID : 6306804777786  
Status : Answered  
Chosen Option : 3



Q.10 Which of the following has the lowest pH value?

- Ans
- 1. Milk of magnesia
  - 2. Gastric juice
  - 3. Blood
  - 4. Lemon juice

Question Type : MCQ  
Question ID : 6306801219376  
Option 1 ID : 6306804796914  
Option 2 ID : 6306804796911  
Option 3 ID : 6306804796913  
Option 4 ID : 6306804796912  
Status : Answered  
Chosen Option : 4

Q.11 In 2024, which of the following Indian banks launched the Green Rupee Term Deposit?

- Ans
- 1. ICICI Bank
  - 2. HDFC Bank
  - 3. Central Bank of India
  - 4. State Bank of India

Question Type : MCQ  
Question ID : 6306801146106  
Option 1 ID : 6306804504582  
Option 2 ID : 6306804504581  
Option 3 ID : 6306804504579  
Option 4 ID : 6306804504580  
Status : Not Answered  
Chosen Option : --

Q.12 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 ' $P \times Q \div R - S + T$ '?

- Ans
- 1. Husband
  - 2. Mother's brother
  - 3. Mother's Father
  - 4. Brother

Question Type : MCQ  
Question ID : 6306801214401  
Option 1 ID : 6306804776825  
Option 2 ID : 6306804776822  
Option 3 ID : 6306804776824  
Option 4 ID : 6306804776823  
Status : Answered  
Chosen Option : 3



**Q.13** 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:

Long queues are seen outside the electricity bill payment counters on 14<sup>th</sup> and 15<sup>th</sup> of each month, as 15<sup>th</sup> of each month is the last date for payment of electricity bills. Citizens have lodged several complaints with the electricity board regarding this difficulty in payment.

Courses of Action:

(I) The electricity board should set up additional counters for payment collection on 14<sup>th</sup> and 15<sup>th</sup> of each month, to make it easier for citizens.

(II) The electricity board should increase the penalty to be paid after the specified last date.

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

Question Type : **MCQ**

Question ID : **6306801214383**

Option 1 ID : **6306804776752**

Option 2 ID : **6306804776751**

Option 3 ID : **6306804776750**

Option 4 ID : **6306804776753**

Status : **Not Answered**

Chosen Option : --

**Q.14** In a certain code language, 'MEND' is coded as '3186' and 'MINE' is coded as '1623'. What is the code for 'I' in the given code language?

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

Question Type : **MCQ**

Question ID : **6306801214446**

Option 1 ID : **6306804777004**

Option 2 ID : **6306804777002**

Option 3 ID : **6306804777005**

Option 4 ID : **6306804777003**

Status : **Answered**

Chosen Option : **1**

**Q.15** In an election between two candidates, 75% of the voters cast their votes. 2% of the votes cast were declared invalid. A candidate got 9261 votes which were 75% of the total valid votes. The total number of voters enrolled in that election was:

- Ans**
- 1. 10,000
  - 2. 16,800
  - 3. 18,000
  - 4. 16,400

Question Type : **MCQ**  
Question ID : **6306801213150**  
Option 1 ID : **6306804771766**  
Option 2 ID : **6306804771768**  
Option 3 ID : **6306804771769**  
Option 4 ID : **6306804771767**  
Status : **Answered**  
Chosen Option : **2**

**Q.16** A fruit seller had some apples. He sells 40% of those apples and still has 240 apples. How many apples did he originally have?

- Ans**
- 1. 588
  - 2. 600
  - 3. 400
  - 4. 372

Question Type : **MCQ**  
Question ID : **6306801213120**  
Option 1 ID : **6306804771646**  
Option 2 ID : **6306804771647**  
Option 3 ID : **6306804771649**  
Option 4 ID : **6306804771648**  
Status : **Answered**  
Chosen Option : **3**

**Q.17** A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in:

- Ans**
- 1. 30 days
  - 2. 15 days
  - 3. 20 days
  - 4. 25 days

Question Type : **MCQ**  
Question ID : **6306801213229**  
Option 1 ID : **6306804772085**  
Option 2 ID : **6306804772082**  
Option 3 ID : **6306804772083**  
Option 4 ID : **6306804772084**  
Status : **Answered**  
Chosen Option : **4**

**Q.18** The work done by a 10 Newton force acting on a body, which results in the displacement of 2 m in the direction of the force, is \_\_\_\_\_.

- Ans**
- 1. 20 joules
  - 2. 10 joules
  - 3. 0
  - 4. 0.2 joule

Question Type : **MCQ**  
Question ID : **6306801217144**  
Option 1 ID : **6306804788031**  
Option 2 ID : **6306804788033**  
Option 3 ID : **6306804788032**  
Option 4 ID : **6306804788034**  
Status : **Not Answered**  
Chosen Option : --

**Q.19** A reduction of 20% in the price of sugar enables a purchaser to obtain 2.5 kg more for ₹160. The original price per kg of sugar is:

- Ans**
- 1. ₹15
  - 2. ₹20
  - 3. ₹12
  - 4. ₹16

Question Type : **MCQ**  
Question ID : **6306801213162**  
Option 1 ID : **6306804771815**  
Option 2 ID : **6306804771817**  
Option 3 ID : **6306804771814**  
Option 4 ID : **6306804771816**  
Status : **Not Answered**  
Chosen Option : --

**Q.20** According to the '2024 State of the Rhino' Report by the International Rhino Foundation (IRF), which species of rhino could be severely affected by climate change?

- Ans**
- 1. Javan Rhino
  - 2. Black Rhino
  - 3. Greater One-horned Rhino
  - 4. Sumatran Rhino

Question Type : **MCQ**  
Question ID : **6306801143964**  
Option 1 ID : **6306804496045**  
Option 2 ID : **6306804496044**  
Option 3 ID : **6306804496046**  
Option 4 ID : **6306804496047**  
Status : **Not Answered**  
Chosen Option : --

**Q.21** The corresponding sides of two similar triangles are in the ratio of 2: 3. If the area of the smaller triangle is 36 sq cm, then the area of the bigger triangle is:

- Ans**
- 1. 16 sq cm
  - 2. 81 sq cm
  - 3. 36 sq cm
  - 4. 96 sq cm

Question Type : **MCQ**  
Question ID : **6306801213360**  
Option 1 ID : **6306804772606**  
Option 2 ID : **6306804772609**  
Option 3 ID : **6306804772608**  
Option 4 ID : **6306804772607**  
Status : **Answered**  
Chosen Option : **2**

**Q.22** If the mean of a distribution is 8.73 and its median is 11, then the mode of the distribution is \_\_\_\_\_ (using empirical relation).

- Ans**
- 1. 19.73
  - 2. 17.46
  - 3. 22
  - 4. 15.54

Question Type : **MCQ**  
Question ID : **6306801213267**  
Option 1 ID : **6306804772234**  
Option 2 ID : **6306804772236**  
Option 3 ID : **6306804772235**  
Option 4 ID : **6306804772237**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.23** Malarial parasite shows which type of asexual reproduction?

- Ans**
- 1. Multiple fission
  - 2. Regeneration
  - 3. Budding
  - 4. Binary fission

Question Type : **MCQ**  
Question ID : **6306801217264**  
Option 1 ID : **6306804788525**  
Option 2 ID : **6306804788524**  
Option 3 ID : **6306804788523**  
Option 4 ID : **6306804788526**  
Status : **Answered**  
Chosen Option : **1**

**Q.24** Two successive discounts of 25% and 10% on a deal are equivalent to a single discount of:

- Ans**
- 1. 35%
  - 2. 32%
  - 3. 34.5%
  - 4. 32.5%

Question Type : **MCQ**  
Question ID : **6306801213176**  
Option 1 ID : **6306804771870**  
Option 2 ID : **6306804771871**  
Option 3 ID : **6306804771873**  
Option 4 ID : **6306804771872**  
Status : **Answered**  
Chosen Option : **4**

**Q.25** Seven people, B, C, D, E, F, G, and K, are sitting in a straight line, facing north.

Only two people sit between D and G. Only E sits to the right of K. Only one person sits between G and K. C sits at some place to the right of B but at some place to the left of F.

Who sits third from the right end of the line?

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

Question Type : **MCQ**  
Question ID : **6306801214473**  
Option 1 ID : **6306804777111**  
Option 2 ID : **6306804777112**  
Option 3 ID : **6306804777113**  
Option 4 ID : **6306804777110**  
Status : **Answered**  
Chosen Option : **2**

**Q.26**

Simplify the expression:  $\sqrt{\frac{1+\cos \theta}{1-\cos \theta}}$  is:

- Ans**
- 1.  $\operatorname{cosec} \theta - \cot \theta$
  - 2.  $\sec \theta + \cot \theta$
  - 3.  $\sec \theta - \cot \theta$
  - 4.  $\operatorname{cosec} \theta + \cot \theta$

Question Type : **MCQ**  
Question ID : **6306801213366**  
Option 1 ID : **6306804772630**  
Option 2 ID : **6306804772633**  
Option 3 ID : **6306804772632**  
Option 4 ID : **6306804772631**  
Status : **Answered**  
Chosen Option : **4**