



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



Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ 1 Sector 62
Test Date	26/11/2024
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 IIT Bombay and _____ have partnered to develop India's first Quantum Diamond Microchip Imager.

- Ans
- 1. Mahindra and Mahindra
 - 2. TCS
 - 3. Google
 - 4. L&T

Question Type : MCQ
Question ID : 6306801137608
Option 1 ID : 6306804470619
Option 2 ID : 6306804470621
Option 3 ID : 6306804470622
Option 4 ID : 6306804470620
Status : Not Answered
Chosen Option : --

Q.2 The average of the first 30 natural numbers is:

- Ans 1. 15.5
 2. 16
 3. 15
 4. 16.5

Question Type : MCQ
Question ID : 6306801213245
Option 1 ID : 6306804772147
Option 2 ID : 6306804772148
Option 3 ID : 6306804772146
Option 4 ID : 6306804772149
Status : Answered
Chosen Option : 1

Q.3 In the word HYPNOTIC, each letter of the word is changed to the letter immediately succeeding it in the English alphabetical order and then the new group of letters thus formed is rearranged according to the English alphabetical order. Which letter is second to the left in the new rearranged group of letters?

- Ans 1. D
 2. O
 3. I
 4. J

Question Type : MCQ
Question ID : 6306801214580
Option 1 ID : 6306804777541
Option 2 ID : 6306804777540
Option 3 ID : 6306804777538
Option 4 ID : 6306804777539
Status : Answered
Chosen Option : 3

Q.4 The 2024 philately scholarship scheme was launched by the Department of Posts under the _____.

- Ans 1. Deen Dayal SPARSH Yojan
 2. Digital India Program
 3. Sarva Shiksha Abhiyan
 4. Pradhan Mantri Kaushal Vikas Yojana

Question Type : MCQ
Question ID : 6306801140377
Option 1 ID : 6306804481601
Option 2 ID : 6306804481603
Option 3 ID : 6306804481602
Option 4 ID : 6306804481600
Status : Not Answered
Chosen Option : --

Q.5 If each vowel in the word PARKING 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 third from the left in the group of letters thus formed?

- Ans**
- 1. L
 - 2. O
 - 3. J
 - 4. S

Question Type : MCQ

Question ID : 6306801214591

Option 1 ID : 6306804777583

Option 2 ID : 6306804777585

Option 3 ID : 6306804777582

Option 4 ID : 6306804777584

Status : Answered

Chosen Option : 4

Q.6 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 : 961 :: 34 : Y

- Ans**
- 1. X = 41, Y = 576
 - 2. X = 47, Y = 729
 - 3. X = 39, Y = 529
 - 4. X = 45, Y = 625

Question Type : MCQ

Question ID : 6306801214654

Option 1 ID : 6306804777836

Option 2 ID : 6306804777835

Option 3 ID : 6306804777834

Option 4 ID : 6306804777837

Status : Answered

Chosen Option : 1

Q.7 The radius of a cylinder is 5 cm more than its height. If the curved surface area of the cylinder is 792 cm^2 , then the volume of the cylinder (in cm^3), is _____. [Use $\pi = \frac{22}{7}$]

- Ans**
- 1. 5254
 - 2. 5712
 - 3. 5306
 - 4. 5544

Question Type : MCQ

Question ID : 6306801213343

Option 1 ID : 6306804772541

Option 2 ID : 6306804772540

Option 3 ID : 6306804772539

Option 4 ID : 6306804772538

Status : Answered

Chosen Option : 4

Q.8 Which sexually transmitted diseases are caused by a viruses?

- Ans 1. Syphilis and AIDS
 2. Warts and AIDS
 3. Gonorrhoea and Syphilis
 4. Warts and Gonorrhoea

Question Type : **MCQ**
Question ID : **6306801217290**
Option 1 ID : **6306804788630**
Option 2 ID : **6306804788627**
Option 3 ID : **6306804788629**
Option 4 ID : **6306804788628**
Status : **Answered**
Chosen Option : **1**

Q.9 CYBS is related to GWFQ in a certain way based on the English alphabetical order. In the same way, KUJO is related to OSNM. To which of the following options is SQRK related, following the same logic?

- Ans 1. UPVH
 2. WОВI
 3. UOWH
 4. VNWJ

Question Type : **MCQ**
Question ID : **6306801214343**
Option 1 ID : **6306804776593**
Option 2 ID : **6306804776591**
Option 3 ID : **6306804776590**
Option 4 ID : **6306804776592**
Status : **Answered**
Chosen Option : **2**

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

$$46 + 24 - (12 + 19) \times 2 + 38 \times 6 + 44 \div 4 = 262$$

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

- Ans 1. 24 and 38
 2. 6 and 2
 3. 2 and 4
 4. 24 and 44

Question Type : **MCQ**
Question ID : **6306801214615**
Option 1 ID : **6306804777678**
Option 2 ID : **6306804777680**
Option 3 ID : **6306804777679**
Option 4 ID : **6306804777681**
Status : **Answered**
Chosen Option : **4**

Q.11 The angle of elevation of the top of a small tree from a point on the ground 300 m away from the foot of the tree was 30°. When the tree grew taller, its angle of elevation became 60° from the same point. By how much did the tree grow?

- Ans**
- 1. $\frac{100}{\sqrt{3}}$ m
 - 2. $200\sqrt{3}$ m
 - 3. $100\sqrt{3}$ m
 - 4. $\frac{200}{\sqrt{3}}$ m

Question Type : **MCQ**
Question ID : **6306801213376**
Option 1 ID : **6306804772672**
Option 2 ID : **6306804772671**
Option 3 ID : **6306804772670**
Option 4 ID : **6306804772673**
Status : **Answered**
Chosen Option : **2**

Q.12 Which of the following statements is INCORRECT regarding metals?

- Ans**
- 1. Metals have to be drawn into thin wires.
 - 2. Metals are good conductors of heat.
 - 3. Metals, in their pure state, have a shining surface.
 - 4. Lead and mercury are comparatively good conductors of heat.

Question Type : **MCQ**
Question ID : **6306801219390**
Option 1 ID : **6306804796968**
Option 2 ID : **6306804796969**
Option 3 ID : **6306804796967**
Option 4 ID : **6306804796970**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the INCORRECT pair regarding Asexual reproduction

- Ans**
- 1. Yeast – spore formation
 - 2. Plasmodium – multiple fission
 - 3. Leishmania – binary fission
 - 4. Hydra – multiple fission

Question Type : **MCQ**
Question ID : **6306801217273**
Option 1 ID : **6306804788562**
Option 2 ID : **6306804788561**
Option 3 ID : **6306804788559**
Option 4 ID : **6306804788560**
Status : **Answered**
Chosen Option : **4**

Q.14 In which of the following are CFCs NOT used?

Ans 1. Fire extinguishers

2. Grinders

3. Refrigerators

4. Aerosol sprays

Question Type : MCQ

Question ID : 6306801217258

Option 1 ID : 6306804788499

Option 2 ID : 6306804788502

Option 3 ID : 6306804788501

Option 4 ID : 6306804788500

Status : Answered

Chosen Option : 2

Q.15 The particles size of a solution is:

Ans 1. smaller than 1 nm in diameter

2. smaller than 100 nm in diameter

3. smaller than 52 nm in diameter

4. smaller than 28 nm in diameter

Question Type : MCQ

Question ID : 6306801214983

Option 1 ID : 6306804779249

Option 2 ID : 6306804779246

Option 3 ID : 6306804779247

Option 4 ID : 6306804779248

Status : Answered

Chosen Option : 2

Q.16 DEF is related to CDE in a certain way. In the same way, MNO is related to LMN. To which of the following options is UVW related, following the same logic?

Ans 1. FED

2. FDE

3. TUV

4. EFD

Question Type : MCQ

Question ID : 6306801214409

Option 1 ID : 6306804776854

Option 2 ID : 6306804776855

Option 3 ID : 6306804776856

Option 4 ID : 6306804776857

Status : Answered

Chosen Option : 3

Q.17 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. G is kept third from the bottom. Only two boxes are kept between C and E. A is kept immediately above D. D is kept at one of the positions above G. Only two boxes are kept between B and E. B is not kept at the top-most position.

How many boxes are kept between D and B?

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

Question Type : **MCQ**
Question ID : **6306801214391**
Option 1 ID : **6306804776785**
Option 2 ID : **6306804776784**
Option 3 ID : **6306804776782**
Option 4 ID : **6306804776783**
Status : **Answered**
Chosen Option : **2**

Q.18 If $25 : x :: x : 36$, and $x > 0$, then what is the value of x ?

- Ans**
- 1. 18
 - 2. 30
 - 3. 27
 - 4. 21

Question Type : **MCQ**
Question ID : **6306801213202**
Option 1 ID : **6306804771975**
Option 2 ID : **6306804771974**
Option 3 ID : **6306804771977**
Option 4 ID : **6306804771976**
Status : **Answered**
Chosen Option : **2**

Q.19 In October 2023, Prime Minister Narendra Modi formally announced India's interest in bidding for the _____ Olympics at the 141st IOC Session.

- Ans**
- 1. 2040
 - 2. 2028
 - 3. 2036
 - 4. 2032

Question Type : **MCQ**
Question ID : **6306801134716**
Option 1 ID : **6306804458987**
Option 2 ID : **6306804458988**
Option 3 ID : **6306804458985**
Option 4 ID : **6306804458986**
Status : **Answered**
Chosen Option : **3**

Q.20 Which of the following statements refer/s to the law of conservation of energy?

Statements:

I) Energy can be converted from one form to another form of energy.

II) Energy can neither be created nor destroyed.

- Ans
- 1. Both Statements I and II
 - 2. Neither Statement I nor II
 - 3. Only Statement II
 - 4. Only Statement I

Question Type : MCQ

Question ID : 6306801217151

Option 1 ID : 6306804788061

Option 2 ID : 6306804788062

Option 3 ID : 6306804788060

Option 4 ID : 6306804788059

Status : Answered

Chosen Option : 1

Q.21 Select the correct pair from the following options.

- Ans
- 1. Object's resistance to change its state of motion—Inertia
 - 2. Object's resistance to change its state of motion—Gravitation
 - 3. Object's resistance to change its state of motion—Momentum
 - 4. Object's resistance to change its state of motion—Acceleration

Question Type : MCQ

Question ID : 6306801217232

Option 1 ID : 6306804788383

Option 2 ID : 6306804788385

Option 3 ID : 6306804788386

Option 4 ID : 6306804788384

Status : Answered

Chosen Option : 1

Q.22 Which of the following statements is/are correct?

Statements:

- I) A current carrying conductor acts like a magnet.
- II) Moving electrons perpendicular to the magnetic field do not experience any force.

- Ans
- 1. Statement II only
 - 2. Both Statements I and II
 - 3. Statement I only
 - 4. Neither Statement I nor II

Question Type : MCQ
Question ID : 6306801217181
Option 1 ID : 6306804788180
Option 2 ID : 6306804788181
Option 3 ID : 6306804788179
Option 4 ID : 6306804788182
Status : Answered
Chosen Option : 2

Q.23 The Sangameshwara Temple had been submerged in the backwaters of the Srisailem project due to heavy rainfall in the monsoon of 2024. This temple lies on the banks of which river?

- Ans
- 1. Ganga
 - 2. Krishna
 - 3. Narmada
 - 4. Yamuna

Question Type : MCQ
Question ID : 6306801146046
Option 1 ID : 6306804504343
Option 2 ID : 6306804504344
Option 3 ID : 6306804504346
Option 4 ID : 6306804504345
Status : Answered
Chosen Option : 2

Q.24 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. WA-PT
 - 2. CG-VZ
 - 3. VZ-TX
 - 4. GK-ZD

Question Type : MCQ
Question ID : 6306801214514
Option 1 ID : 6306804777276
Option 2 ID : 6306804777277
Option 3 ID : 6306804777275
Option 4 ID : 6306804777274
Status : Answered
Chosen Option : 3

Q.25 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 oceans are rivers.

Some rivers are ponds.

Conclusions:

(I) All ponds are oceans.

(II) Some oceans are ponds.

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

Question Type : **MCQ**

Question ID : **6306801214529**

Option 1 ID : **6306804777334**

Option 2 ID : **6306804777336**

Option 3 ID : **6306804777335**

Option 4 ID : **6306804777337**

Status : **Answered**

Chosen Option : **2**

Q.26 In 2023, 'Garba' was declared as an intangible cultural heritage by UNESCO. Which of the following states is Garba from?

- Ans**
- 1. West Bengal
 - 2. Kerala
 - 3. Assam
 - 4. Gujarat

Question Type : **MCQ**

Question ID : **6306801146090**

Option 1 ID : **6306804504518**

Option 2 ID : **6306804504515**

Option 3 ID : **6306804504516**

Option 4 ID : **6306804504517**

Status : **Answered**

Chosen Option : **4**

Q.27 In 2024, which company entered into a Memorandum of Understanding (MoU) with iCreate to promote AI startups in India?

- Ans**
- 1. Infosys
 - 2. Google
 - 3. Microsoft
 - 4. Meta

Question Type : **MCQ**

Question ID : **6306801146118**

Option 1 ID : **6306804504629**

Option 2 ID : **6306804504627**

Option 3 ID : **6306804504628**

Option 4 ID : **6306804504630**

Status : **Answered**

Chosen Option : **2**

Q.28 If $(584)^2 = 3,41,056$, then the value of square root of 34.1056 is:

- Ans
- 1. 5.84
 - 2. 0.584
 - 3. 0.0584
 - 4. 0.000584

Question Type : MCQ
Question ID : 6306801213086
Option 1 ID : 6306804771510
Option 2 ID : 6306804771512
Option 3 ID : 6306804771511
Option 4 ID : 6306804771513
Status : Answered
Chosen Option : 1

Q.29 Why does carbon make a stable compound?

- Ans
- 1. Due to higher electronegativity carbon forms strong bonds.
 - 2. Due to big size carbon forms strong bonds.
 - 3. Due to small size carbon forms strong bonds.
 - 4. Due to higher enthalpy carbon forms strong bonds.

Question Type : MCQ
Question ID : 6306801214987
Option 1 ID : 6306804779263
Option 2 ID : 6306804779264
Option 3 ID : 6306804779262
Option 4 ID : 6306804779265
Status : Answered
Chosen Option : 4

Q.30 Which of the following organisations is responsible for the development of the Long-Range Glide Bomb (LRGB), GAURAV, tested in August 2024?

- Ans
- 1. Indian Navy
 - 2. Indian Space Research Organisation (ISRO)
 - 3. Hindustan Aeronautics Limited (HAL)
 - 4. Defence Research and Development Organisation (DRDO)

Question Type : MCQ
Question ID : 6306801144626
Option 1 ID : 6306804498675
Option 2 ID : 6306804498672
Option 3 ID : 6306804498674
Option 4 ID : 6306804498673
Status : Answered
Chosen Option : 4

Q.31 From a 2.25-litre mango drink bottle, how many small glasses of 45 ml can be filled?

- Ans
- 1. 45
 - 2. 40
 - 3. 50
 - 4. 55

Question Type : MCQ
Question ID : 6306801213107
Option 1 ID : 6306804771595
Option 2 ID : 6306804771594
Option 3 ID : 6306804771596
Option 4 ID : 6306804771597
Status : Answered
Chosen Option : 3

Q.32 Simplify the following expression:

$$(a + 2b - c)(b - c) + (a - c)2b + b^2$$

- Ans
- 1. $3ab - 5bc - ac - 2abc$
 - 2. $2b^2 + 3ab - 4bc + c$
 - 3. $3b^2 + c^2 + 3ab - 5bc - ac$
 - 4. $3b^2 + 3ab - 5bc - ac$

Question Type : MCQ
Question ID : 6306801213274
Option 1 ID : 6306804772265
Option 2 ID : 6306804772263
Option 3 ID : 6306804772264
Option 4 ID : 6306804772262
Status : Answered
Chosen Option : 3

Q.33 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

ACDF, GJIL, MOPR, SUVX, YABD, ?

- Ans
- 1. EGIK
 - 2. EGHJ
 - 3. EGFJ
 - 4. EFHJ

Question Type : MCQ
Question ID : 6306801214408
Option 1 ID : 6306804776853
Option 2 ID : 6306804776851
Option 3 ID : 6306804776850
Option 4 ID : 6306804776852
Status : Answered
Chosen Option : 2

Q.34 Magnification produced by a spherical mirror is equal to _____.

- Ans
- 1. Height of the image \times height of the object
 - 2. Object distance \times image distance
 - 3. $\frac{\text{Object distance}}{\text{Imagedistance}}$
 - 4. $\frac{\text{Heightoftheimage}}{\text{Heightoftheobject}}$

Question Type : MCQ

Question ID : 6306801217190

Option 1 ID : 6306804788217

Option 2 ID : 6306804788218

Option 3 ID : 6306804788216

Option 4 ID : 6306804788215

Status : Answered

Chosen Option : 4

Q.35 A, B, C, D, E and F are sitting around a circular table facing the centre. E sits to the immediate right of D. A is an immediate neighbour of B and D. F sits second to the right of D. What is the position of C with respect to D?

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

Question Type : MCQ

Question ID : 6306801214362

Option 1 ID : 6306804776666

Option 2 ID : 6306804776669

Option 3 ID : 6306804776667

Option 4 ID : 6306804776668

Status : Answered

Chosen Option : 4

Q.36 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 ' $P + Q - R \times S \div T$ '?

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

Question Type : MCQ

Question ID : 6306801214400

Option 1 ID : 6306804776819

Option 2 ID : 6306804776820

Option 3 ID : 6306804776821

Option 4 ID : 6306804776818

Status : Answered

Chosen Option : 4

Q.37 Who coined the term 'protoplasm' for the fluid substance of the cell?

- Ans
- 1. Robert Brown
 - 2. Robert Hooke
 - 3. Virchow
 - 4. Purkinje

Question Type : MCQ

Question ID : 6306801217279

Option 1 ID : 6306804788586

Option 2 ID : 6306804788584

Option 3 ID : 6306804788583

Option 4 ID : 6306804788585

Status : Answered

Chosen Option : 4

Q.38 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 bees are insects.

All bees are hives.

Conclusions:

(I) Some hives are insects.

(II) All hives are bees.

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

Question Type : **MCQ**

Question ID : **6306801214505**

Option 1 ID : **6306804777241**

Option 2 ID : **6306804777240**

Option 3 ID : **6306804777238**

Option 4 ID : **6306804777239**

Status : **Answered**

Chosen Option : **3**

Q.39 In the word BLEACH, each consonant 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. Which of the following letters is repeated twice in the new group of letters thus formed?

- Ans**
- 1. B
 - 2. K
 - 3. F
 - 4. A

Question Type : **MCQ**

Question ID : **6306801214581**

Option 1 ID : **6306804777545**

Option 2 ID : **6306804777543**

Option 3 ID : **6306804777544**

Option 4 ID : **6306804777542**

Status : **Answered**

Chosen Option : **1**

Q.40 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. A sits fifth from the right end. Only two people sit between E and A. C is an immediate neighbour of G and E. B sits to the immediate right of F. How many people sit between D and B?

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

Question Type : **MCQ**
Question ID : **6306801214365**
Option 1 ID : **6306804776678**
Option 2 ID : **6306804776680**
Option 3 ID : **6306804776681**
Option 4 ID : **6306804776679**
Status : **Answered**
Chosen Option : **4**

Q.41 Which department's Disaster Management Division organised the conference on 'Experience Sharing and Capacity Building in Disaster Management' in August 2024?

- Ans**
- 1. National Disaster Response Force (NDRF)
 - 2. Department of Telecommunications (DoT)
 - 3. Ministry of Communications
 - 4. National Institute of Disaster Management (NIDM)

Question Type : **MCQ**
Question ID : **6306801143981**
Option 1 ID : **6306804496111**
Option 2 ID : **6306804496108**
Option 3 ID : **6306804496109**
Option 4 ID : **6306804496110**
Status : **Not Answered**
Chosen Option : **--**

Q.42 Ravi and Kumar are working on an assignment. Ravi takes 6 hours to type 32 pages on a computer, while Kumar takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?

- Ans**
- 1. 8 hours 15 minutes
 - 2. 7 hours 30 minutes
 - 3. 8 hours
 - 4. 8 hours 25 minutes

Question Type : **MCQ**
Question ID : **6306801213236**
Option 1 ID : **6306804772112**
Option 2 ID : **6306804772110**
Option 3 ID : **6306804772111**
Option 4 ID : **6306804772113**
Status : **Not Answered**
Chosen Option : **--**

Q.43 The book authored by Vijay Lokpally on Virat Kohli in the year 2023 is

- Ans
- 1. The Straight Drive: The Virat Kohli Story (Revised and Updated World Cup Edition)
 - 2. The Cover Shot: The Virat Kohli Story (Revised and Updated World Cup Edition)
 - 3. The Cover Drive: The Virat Kohli Story (Revised and Updated World Cup Edition)
 - 4. Driven: The Virat Kohli Story (Revised and Updated World Cup Edition)

Question Type : MCQ
Question ID : 6306801134517
Option 1 ID : 6306804458179
Option 2 ID : 6306804458180
Option 3 ID : 6306804458178
Option 4 ID : 6306804458177
Status : Answered
Chosen Option : 3

Q.44 What is the effect of heating on the rate of diffusion?

- Ans
- 1. It increases with increase of temperature
 - 2. There is no effect of temperature on the rate of diffusion.
 - 3. It decreases with increase of temperature
 - 4. It first increases and then, decreases after some time.

Question Type : MCQ
Question ID : 6306801219358
Option 1 ID : 6306804796839
Option 2 ID : 6306804796841
Option 3 ID : 6306804796840
Option 4 ID : 6306804796842
Status : Answered
Chosen Option : 1

Q.45 The angles of a quadrilateral are in the ratio 2 : 5 : 7 : 10. Find the difference between the greatest and the smallest angles of the quadrilateral.

- Ans
- 1. 180°
 - 2. 50°
 - 3. 120°
 - 4. 60°

Question Type : MCQ
Question ID : 6306801213361
Option 1 ID : 6306804772613
Option 2 ID : 6306804772611
Option 3 ID : 6306804772612
Option 4 ID : 6306804772610
Status : Answered
Chosen Option : 3

Q.46 The tax on a commodity is reduced by 10%, but its consumption is increased by 20%. The percentage increase in the tax revenue derived from it is:

- Ans**
- 1. 20%
 - 2. 15%
 - 3. 10%
 - 4. 8%

Question Type : **MCQ**

Question ID : **6306801213130**

Option 1 ID : **6306804771686**

Option 2 ID : **6306804771688**

Option 3 ID : **6306804771687**

Option 4 ID : **6306804771689**

Status : **Not Answered**

Chosen Option : --

Q.47 What constant speed should be maintained in order to reach a distance of 600 km in 10 hrs?

- Ans**
- 1. 50 km/h
 - 2. 60 km/h
 - 3. 85 km/h
 - 4. 80 km/h

Question Type : **MCQ**

Question ID : **6306801213213**

Option 1 ID : **6306804772021**

Option 2 ID : **6306804772020**

Option 3 ID : **6306804772018**

Option 4 ID : **6306804772019**

Status : **Answered**

Chosen Option : **2**

Q.48 Which of the following will be formed when dilute hydrochloric acid is added to a beaker having copper oxide?

- Ans**
- 1. A colourless solution is formed due to the formation of copper (II) chloride.
 - 2. A solution with blue-green colour is formed due to the formation of copper (II) chloride.
 - 3. A solution with green colour is formed due to the formation of copper (II) chloride.
 - 4. A solution with blue-green colour is formed due to the formation of copper (III) chloride.

Question Type : **MCQ**

Question ID : **6306801219381**

Option 1 ID : **6306804796934**

Option 2 ID : **6306804796931**

Option 3 ID : **6306804796933**

Option 4 ID : **6306804796932**

Status : **Answered**

Chosen Option : **2**

Q.49 Three years ago, the average age of a family of six members was 19 years. Since then a boy has been born and the average age of the family is the same today as it was three years ago. What is the age of the boy?

- Ans**
- 1. 2 years
 - 2. 1.5 years
 - 3. 2.5 years
 - 4. 1 year

Question Type : **MCQ**
Question ID : **6306801213261**
Option 1 ID : **6306804772212**
Option 2 ID : **6306804772211**
Option 3 ID : **6306804772213**
Option 4 ID : **6306804772210**
Status : **Answered**
Chosen Option : **4**

Q.50 India's rank in the Corruption Perceptions Index (CPI) improved from _____ in 2022 to _____ in 2023.

- Ans**
- 1. 93; 85
 - 2. 85; 93
 - 3. 40; 39
 - 4. 85; 40

Question Type : **MCQ**
Question ID : **6306801147035**
Option 1 ID : **6306804508274**
Option 2 ID : **6306804508273**
Option 3 ID : **6306804508275**
Option 4 ID : **6306804508276**
Status : **Not Answered**
Chosen Option : **--**

Q.51 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.)

(11, 44, 2)

(6, 54, 3)

- Ans**
- 1. (7, 98, 2)
 - 2. (10, 50, 5)
 - 3. (12, 72, 3)
 - 4. (2, 32, 4)

Question Type : **MCQ**
Question ID : **6306801214439**
Option 1 ID : **6306804776976**
Option 2 ID : **6306804776975**
Option 3 ID : **6306804776977**
Option 4 ID : **6306804776974**
Status : **Answered**
Chosen Option : **4**

Q.52 Which of the following statements is INCORRECT about Rutherford's model of an atom?

Ans 1. Electrons revolve around the nucleus in circular paths.

2.

The size of the nucleus is very small as compared to that of the atom.

3. Electrons revolve around the nucleus in elliptical paths.

4.

There is a positively charged centre in an atom, which is called the nucleus.

Question Type : MCQ

Question ID : 6306801219353

Option 1 ID : 6306804796820

Option 2 ID : 6306804796821

Option 3 ID : 6306804796822

Option 4 ID : 6306804796819

Status : Answered

Chosen Option : 3

Q.53 When 10% of the inhabitants of a village died of cholera, a panic set in, during which 25% of the remaining inhabitants left the village. The population then reduced to 4050. Find the number of original inhabitants.

Ans 1. 7000

2. 8000

3. 6000

4. 5000

Question Type : MCQ

Question ID : 6306801213142

Option 1 ID : 6306804771736

Option 2 ID : 6306804771737

Option 3 ID : 6306804771735

Option 4 ID : 6306804771734

Status : Answered

Chosen Option : 3

Q.54 In a certain code language, 'LOBE' is coded as '2653' and 'BORE' is coded as '6823'. What is the code for 'L' in the given code language?

Ans 1. 5

2. 3

3. 2

4. 8

Question Type : MCQ

Question ID : 6306801214425

Option 1 ID : 6306804776920

Option 2 ID : 6306804776919

Option 3 ID : 6306804776918

Option 4 ID : 6306804776921

Status : Answered

Chosen Option : 4

Q.55 Which organelle is found ONLY in plant cells?

- Ans
- 1. Nucleus
 - 2. Lysosome
 - 3. Chloroplast
 - 4. Mitochondria

Question Type : MCQ
Question ID : 6306801217267
Option 1 ID : 6306804788537
Option 2 ID : 6306804788538
Option 3 ID : 6306804788536
Option 4 ID : 6306804788535
Status : Answered
Chosen Option : 3

Q.56 Given below is a cause followed by three effects numbered I, II and III. Read the cause carefully and decide which of the three can be a/the possible effect(s).

Cause - A major train accident occurred at Katpadi Junction last night, where seven bogies of G.T. Express derailed and fell across the tracks.

Effect I - Many trains on the Katpadi - Chennai route are running several hours late today.

Effect II - Long queues were seen at the railway ticket booking counters in Bangalore.

Effect III - Railways has decided to run two holiday special trains between Kolkata and Patna from October to December 2023.

- Ans
- 1. Both I and II are possible effects.
 - 2. Both II and III are possible effects.
 - 3. Only II is a possible effect.
 - 4. Only I is a possible effect.

Question Type : MCQ
Question ID : 6306801214387
Option 1 ID : 6306804776769
Option 2 ID : 6306804776768
Option 3 ID : 6306804776767
Option 4 ID : 6306804776766
Status : Answered
Chosen Option : 4

Q.57 An article is sold for ₹x after offering two successive discounts of 25% and 8% on its marked price of ₹500. The value of x is:

- Ans
- 1. 285
 - 2. 280
 - 3. 345
 - 4. 300

Question Type : MCQ
Question ID : 6306801213174
Option 1 ID : 6306804771864
Option 2 ID : 6306804771863
Option 3 ID : 6306804771862
Option 4 ID : 6306804771865
Status : Answered
Chosen Option : 3

Q.58 Select the correct balanced equation option for the reaction $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$.

- Ans
- 1. $4\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
 - 2. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
 - 3. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 2\text{H}_2$
 - 4. $2\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$

Question Type : **MCQ**

Question ID : **6306801214988**

Option 1 ID : **6306804779268**

Option 2 ID : **6306804779269**

Option 3 ID : **6306804779267**

Option 4 ID : **6306804779266**

Status : **Answered**

Chosen Option : **2**

Q.59 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

BDG, DFI, FHK, HJM, JLO, ?

- Ans
- 1. POR
 - 2. LNQ
 - 3. OPR
 - 4. NLQ

Question Type : **MCQ**

Question ID : **6306801214406**

Option 1 ID : **6306804776845**

Option 2 ID : **6306804776843**

Option 3 ID : **6306804776842**

Option 4 ID : **6306804776844**

Status : **Answered**

Chosen Option : **2**

Q.60 Which of the following statements is/are correct?

Statements:

- I) The mass of an object is the same as its weight.
- II) The mass of an object is not the same as its weight.
- III) Mass is scalar quantity, whereas weight is vector quantity.

- Ans
- 1. Statement III
 - 2. Statements I and III
 - 3. Statements I and II
 - 4. Statements II and III

Question Type : **MCQ**
Question ID : **6306801217160**
Option 1 ID : **6306804788098**
Option 2 ID : **6306804788097**
Option 3 ID : **6306804788095**
Option 4 ID : **6306804788096**
Status : **Answered**
Chosen Option : **4**

Q.61 If a sum of money doubles itself in 10 years on compound interest, then in how many years will it become 16 times of itself at the same rate of interest?

- Ans
- 1. 40
 - 2. 30
 - 3. 20
 - 4. 10

Question Type : **MCQ**
Question ID : **6306801213191**
Option 1 ID : **6306804771933**
Option 2 ID : **6306804771932**
Option 3 ID : **6306804771931**
Option 4 ID : **6306804771930**
Status : **Not Answered**
Chosen Option : **--**

Q.62 In a certain code language, 'lost in space' is coded as 'vp dc ez' and 'never get lost' is coded as 'gb ez cy'. What is the code for 'lost' in the given code language?

- Ans
- 1. ez
 - 2. dc
 - 3. gb
 - 4. vp

Question Type : **MCQ**
Question ID : **6306801214500**
Option 1 ID : **6306804777221**
Option 2 ID : **6306804777219**
Option 3 ID : **6306804777220**
Option 4 ID : **6306804777218**
Status : **Answered**
Chosen Option : **1**

Q.63 In our body, brain and spinal cord together constitute the:

- Ans
- 1. central nervous system
 - 2. autonomic nervous system
 - 3. peripheral nervous system
 - 4. endocrine system

Question Type : MCQ
Question ID : 6306801217299
Option 1 ID : 6306804788663
Option 2 ID : 6306804788665
Option 3 ID : 6306804788664
Option 4 ID : 6306804788666
Status : Answered
Chosen Option : 1

Q.64 Amita is 2 years older than her friend Amrita. Amita's father is twice as old as Amita, and Amrita is twice as old as her sister. The ages of Amita's father and Amrita's sister differ by 43 years. The sum of the ages (in years) of Amita and Amrita is:

- Ans
- 1. 68
 - 2. 54
 - 3. 50
 - 4. 64

Question Type : MCQ
Question ID : 6306801213311
Option 1 ID : 6306804772413
Option 2 ID : 6306804772411
Option 3 ID : 6306804772410
Option 4 ID : 6306804772412
Status : Answered
Chosen Option : 2

Q.65 The sum of the length, the breadth and the height of a cuboid is 38 cm and the length of its diagonal is 22 cm. Find the total surface area of the cuboid.

- Ans
- 1. 480 cm^2
 - 2. 960 cm^2
 - 3. 864 cm^2
 - 4. 432 cm^2

Question Type : MCQ
Question ID : 6306801213333
Option 1 ID : 6306804772500
Option 2 ID : 6306804772498
Option 3 ID : 6306804772499
Option 4 ID : 6306804772501
Status : Answered
Chosen Option : 2

Q.66 The relation between focal length 'f', object distance 'u' and image distance 'v' in the case of reflection of light by a spherical mirror is given by _____.

- Ans**
- 1. $1/f = (1/u) - (1/v)$
 - 2. $1/f = (1/v) - (1/u)$
 - 3. $1/f = (uv)/(u+v)$
 - 4. $1/f = (1/u) + (1/v)$

Question Type : **MCQ**

Question ID : **6306801217199**

Option 1 ID : **6306804788251**

Option 2 ID : **6306804788253**

Option 3 ID : **6306804788254**

Option 4 ID : **6306804788252**

Status : **Answered**

Chosen Option : **2**

Q.67 Select the number from among the given options that can replace the question mark (?) in the following series.

184 242 275 333 366 424 ?

- Ans**
- 1. 457
 - 2. 464
 - 3. 426
 - 4. 478

Question Type : **MCQ**

Question ID : **6306801214647**

Option 1 ID : **6306804777806**

Option 2 ID : **6306804777808**

Option 3 ID : **6306804777807**

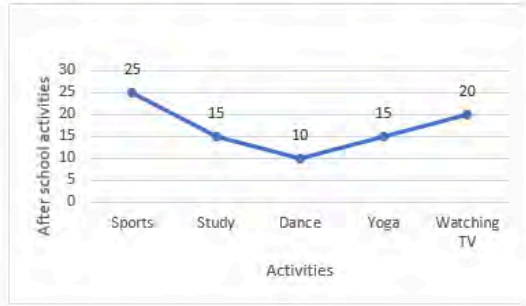
Option 4 ID : **6306804777809**

Status : **Answered**

Chosen Option : **1**

Q.68 Study the given graph and answer the question that follows.

The graph shows the number of students involved in different after-school activities.



What is the average number of students participating in Sports and Yoga?

- Ans
- 1. 30
 - 2. 50
 - 3. 20
 - 4. 40

Question Type : MCQ
Question ID : 6306801214558
Option 1 ID : 6306804777451
Option 2 ID : 6306804777453
Option 3 ID : 6306804777450
Option 4 ID : 6306804777452
Status : Answered
Chosen Option : 3

Q.69 The highest common factor of a set of coprime numbers is equal to:

- Ans
- 1. 1
 - 2. the highest among them
 - 3. the lowest among them
 - 4. 2

Question Type : MCQ
Question ID : 6306801213111
Option 1 ID : 6306804771610
Option 2 ID : 6306804771613
Option 3 ID : 6306804771612
Option 4 ID : 6306804771611
Status : Answered
Chosen Option : 1

Q.70 The work done in moving 10 coulomb charges across the potential difference of 5 volts is _____.

- Ans**
- 1. 50 joules
 - 2. 2 joules
 - 3. 20 joules
 - 4. 5 joules

Question Type : **MCQ**
Question ID : **6306801217169**
Option 1 ID : **6306804788133**
Option 2 ID : **6306804788132**
Option 3 ID : **6306804788134**
Option 4 ID : **6306804788131**
Status : **Answered**
Chosen Option : **1**

Q.71 A trader lost 20% by selling a watch for ₹1,024. What percentage will he gain by selling it for ₹1,472?

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

Question Type : **MCQ**
Question ID : **6306801213154**
Option 1 ID : **6306804771782**
Option 2 ID : **6306804771783**
Option 3 ID : **6306804771785**
Option 4 ID : **6306804771784**
Status : **Answered**
Chosen Option : **4**

Q.72 Two angles are complementary. The larger angle is 6° less than five times the measure of the smaller angle. What is the measure of the larger angle?

- Ans**
- 1. 87°
 - 2. 74°
 - 3. 63°
 - 4. 66°

Question Type : **MCQ**
Question ID : **6306801213302**
Option 1 ID : **6306804772375**
Option 2 ID : **6306804772374**
Option 3 ID : **6306804772376**
Option 4 ID : **6306804772377**
Status : **Answered**
Chosen Option : **4**

Q.73 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+', and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$61 D 39 C 14 C (62 A 2) B 4 = ?$$

- Ans**
- 1. 160
 - 2. 145
 - 3. 180
 - 4. 110

Question Type : **MCQ**
Question ID : **6306801214623**
Option 1 ID : **6306804777712**
Option 2 ID : **6306804777711**
Option 3 ID : **6306804777713**
Option 4 ID : **6306804777710**
Status : **Answered**
Chosen Option : **1**

Q.74 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. RXU
 - 2. GMJ
 - 3. KQN
 - 4. BHF

Question Type : **MCQ**
Question ID : **6306801214433**
Option 1 ID : **6306804776952**
Option 2 ID : **6306804776953**
Option 3 ID : **6306804776951**
Option 4 ID : **6306804776950**
Status : **Answered**
Chosen Option : **4**

Q.75 Town L lies to the west of Town M. Town D lies to the northeast of Town L. Town A lies to the west of Town D. Town R lies to the east of Town D. What is the position of Town R with respect to Town L?

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

Question Type : **MCQ**
Question ID : **6306801214444**
Option 1 ID : **6306804776996**
Option 2 ID : **6306804776995**
Option 3 ID : **6306804776994**
Option 4 ID : **6306804776997**
Status : **Answered**
Chosen Option : **1**