



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	25/11/2024
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 If two interior angles on the same side of a transversal intersecting two parallel lines are in the ratio 2 : 3, then the greater of the two angles is:

- Ans**
- ☒ 1. 108°
 - ☐ 2. 54°
 - ☐ 3. 136°
 - ☐ 4. 120°

Question Type : **MCQ**

Question ID : **6306801213351**

Option 1 ID : **6306804772571**

Option 2 ID : **6306804772570**

Option 3 ID : **6306804772573**

Option 4 ID : **6306804772572**

Status : **Answered**

Chosen Option : **1**

Q.2 What will happen during the free fall of a massive object under the influence of gravitational force of the earth?

- Ans**
- ☒ 1. Velocity of the massive object increases.
 - ☐ 2. Velocity of the massive object decreases.
 - ☐ 3. Mass of the object increases.
 - ☐ 4. Mass of the object decreases.

Question Type : **MCQ**

Question ID : **6306801217158**

Option 1 ID : **6306804788088**

Option 2 ID : **6306804788087**

Option 3 ID : **6306804788090**

Option 4 ID : **6306804788089**

Status : **Answered**

Chosen Option : **1**

Q.3 Which of the following devices does NOT make use of current carrying conductor in a magnetic field?

- Ans**
- ☐ 1. Electric motor
 - ☐ 2. Electric generator
 - ☒ 3. Electric heater
 - ☐ 4. Electric fan

Question Type : **MCQ**

Question ID : **6306801217179**

Option 1 ID : **6306804788173**

Option 2 ID : **6306804788172**

Option 3 ID : **6306804788174**

Option 4 ID : **6306804788171**

Status : **Answered**

Chosen Option : **3**

Q.4 Which of the following is the general formula of alkenes?

- Ans
- ☒ 1. C_nH_{2n+1}
 - ☒ 2. $C_{2n}H_{2n}$
 - ☒ 3. C_nH_n
 - ☒ 4. C_nH_{2n}

Question Type : MCQ

Question ID : 6306801219407

Option 1 ID : 6306804797037

Option 2 ID : 6306804797038

Option 3 ID : 6306804797036

Option 4 ID : 6306804797035

Status : Answered

Chosen Option : 4

Q.5 The sides of a rectangle are in the ratio 8 : 10 and its perimeter is 90 cm. The area of this rectangle is:

- Ans
- ☒ 1. 550 cm²
 - ☒ 2. 450 cm²
 - ☒ 3. 500 cm²
 - ☒ 4. 520 cm²

Question Type : MCQ

Question ID : 6306801213325

Option 1 ID : 6306804772466

Option 2 ID : 6306804772468

Option 3 ID : 6306804772469

Option 4 ID : 6306804772467

Status : Answered

Chosen Option : 3

Q.6 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. F is kept third from the top. Only two boxes are kept between B and G. D is kept immediately above G. Only three boxes are kept between E and A. D is kept at one of the positions below F. E is not kept at the top-most position.

Which box is kept fourth from the top?

- Ans
- ☒ 1. E
 - ☒ 2. B
 - ☒ 3. C
 - ☒ 4. A

Question Type : MCQ

Question ID : 6306801214390

Option 1 ID : 6306804776779

Option 2 ID : 6306804776781

Option 3 ID : 6306804776780

Option 4 ID : 6306804776778

Status : Answered

Chosen Option : 2

Q.7 A total of _____ Arjun awards were conferred during the National Sports Awards 2023.

- Ans
- ☐ 1. 21
 - ☐ 2. 18
 - ☐ 3. 31
 - ☒ 4. 26

Question Type : MCQ

Question ID : 6306801134457

Option 1 ID : 6306804457940

Option 2 ID : 6306804457939

Option 3 ID : 6306804457941

Option 4 ID : 6306804457938

Status : Not Answered

Chosen Option : --

Q.8 Two trains, each 250 m in length, are running on parallel lines in opposite directions at speeds of 90 km/h and 60 km/h respectively. In how many seconds will they cross each other completely?

- Ans
- ☐ 1. 15 sec
 - ☐ 2. 10 sec
 - ☒ 3. 12 sec
 - ☐ 4. 18 sec

Question Type : MCQ

Question ID : 6306801213218

Option 1 ID : 6306804772040

Option 2 ID : 6306804772038

Option 3 ID : 6306804772039

Option 4 ID : 6306804772041

Status : Answered

Chosen Option : 3

Q.9 The sum of three consecutive multiples of 8 is 2424, find the largest one.

- Ans
- ☒ 1. 816
 - ☐ 2. 824
 - ☐ 3. 810
 - ☐ 4. 848

Question Type : MCQ

Question ID : 6306801213299

Option 1 ID : 6306804772362

Option 2 ID : 6306804772365

Option 3 ID : 6306804772363

Option 4 ID : 6306804772364

Status : Answered

Chosen Option : 1

Q.10 The resistance of a 10 m long copper wire is R ohm. What will be the resistance of a 5 m long copper wire?

- Ans
- ☐ 1. R ohm
 - ☐ 2. 5R ohm
 - ☐ 3. 2R ohm
 - ☒ 4. 0.5R ohm

Question Type : MCQ

Question ID : 6306801217170

Option 1 ID : 6306804788135

Option 2 ID : 6306804788138

Option 3 ID : 6306804788136

Option 4 ID : 6306804788137

Status : Answered

Chosen Option : 4

Q.11 Select the INCORRECT pair.

- Ans
- ☐ 1. Small carnivorous– third trophic level
 - ☐ 2. Autotrophs– first trophic level
 - ☐ 3. Primary consumer – second trophic level
 - ☒ 4. Bacteria – fourth trophic level

Question Type : MCQ

Question ID : 6306801217357

Option 1 ID : 6306804788901

Option 2 ID : 6306804788899

Option 3 ID : 6306804788900

Option 4 ID : 6306804788902

Status : Answered

Chosen Option : 4

Q.12 Which Indian Bharatanatyam dancer and film star, already awarded the Padma Shri in 1968, was honoured with the Padma Bhushan in 2024 during the Civil Investiture Ceremony?

- Ans
- ☐ 1. Hema Malini
 - ☐ 2. Shobana
 - ☐ 3. Rukmini Devi Arundale
 - ☒ 4. Vyjayanthimala

Question Type : MCQ

Question ID : 6306801146085

Option 1 ID : 6306804504498

Option 2 ID : 6306804504497

Option 3 ID : 6306804504495

Option 4 ID : 6306804504496

Status : Not Answered

Chosen Option : --

Q.13 If $18 : 24 :: 24 : y$, what is the value of y ?

- Ans ☒ 1. 32
☐ 2. 24
☐ 3. 36
☐ 4. 18

Question Type : MCQ

Question ID : 6306801213204

Option 1 ID : 6306804771984

Option 2 ID : 6306804771983

Option 3 ID : 6306804771985

Option 4 ID : 6306804771982

Status : Answered

Chosen Option : 1

Q.14 In the word MASTER, 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. How many consonants are present in the new group of letters thus formed?

- Ans ☐ 1. Three
☐ 2. Four
☒ 3. Six
☐ 4. Five

Question Type : MCQ

Question ID : 6306801214574

Option 1 ID : 6306804777514

Option 2 ID : 6306804777515

Option 3 ID : 6306804777517

Option 4 ID : 6306804777516

Status : Answered

Chosen Option : 3

Q.15 Which two numbers should be interchanged to make the given equation correct?

$$72 - 56 + (13 + 19) \times 2 - 95 \div 5 + 17 = 76$$

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

- Ans ☒ 1. 19 and 17
☐ 2. 19 and 5
☐ 3. 13 and 17
☐ 4. 17 and 56

Question Type : MCQ

Question ID : 6306801214627

Option 1 ID : 6306804777726

Option 2 ID : 6306804777727

Option 3 ID : 6306804777729

Option 4 ID : 6306804777728

Status : Answered

Chosen Option : 1

Q.16 L, P, R, V, X, Y and Z are sitting around a circular table facing the centre. Only one person sits between V and L, when counted from the right of V. Only one person sits between L and X. Only one person sits between V and Z. Only two people sit between R and X. Only one person sits between P and Z. Who sits to the immediate right and left of Y, respectively?

- Ans**
- ☒ 1. V and Z
 - ☐ 2. Z and V
 - ☐ 3. X and Z
 - ☐ 4. V and X

Question Type : **MCQ**

Question ID : **6306801214470**

Option 1 ID : **6306804777100**

Option 2 ID : **6306804777098**

Option 3 ID : **6306804777101**

Option 4 ID : **6306804777099**

Status : **Answered**

Chosen Option : **1**

Q.17 Last year, there were 610 boys in a school. The number decreased by 20% this year. How many girls are there in the school if the number of girls is 175% of the total number of boys in the school this year?

- Ans**
- ☐ 1. 848
 - ☐ 2. 782
 - ☒ 3. 854
 - ☐ 4. 798

Question Type : **MCQ**

Question ID : **6306801213141**

Option 1 ID : **6306804771731**

Option 2 ID : **6306804771733**

Option 3 ID : **6306804771730**

Option 4 ID : **6306804771732**

Status : **Answered**

Chosen Option : **3**

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 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 : 128 :: 146 : Y

- Ans**
- ☐ 1. X = 156, Y = 86
 - ☐ 2. X = 168, Y = 98
 - ☒ 3. X = 164, Y = 92
 - ☐ 4. X = 174, Y = 84

Question Type : **MCQ**

Question ID : **6306801214616**

Option 1 ID : **6306804777682**

Option 2 ID : **6306804777685**

Option 3 ID : **6306804777684**

Option 4 ID : **6306804777683**

Status : **Not Answered**

Chosen Option : **--**

Q.19 The division of labour occurs in:

- Ans
- ☒ 1. only unicellular organisms
 - ☒ 2. neither unicellular nor in multicellular organism
 - ☒ 3. both unicellular and multicellular organisms
 - ☒ 4. only multicellular organisms

Question Type : MCQ

Question ID : 6306801217282

Option 1 ID : 6306804788595

Option 2 ID : 6306804788598

Option 3 ID : 6306804788597

Option 4 ID : 6306804788596

Status : Not Answered

Chosen Option : --

Q.20 The work done by the motor per unit time is called _____.

- Ans
- ☒ 1. acceleration
 - ☒ 2. energy
 - ☒ 3. momentum
 - ☒ 4. power

Question Type : MCQ

Question ID : 6306801217152

Option 1 ID : 6306804788065

Option 2 ID : 6306804788063

Option 3 ID : 6306804788066

Option 4 ID : 6306804788064

Status : Answered

Chosen Option : 4

Q.21 Simplify the following expression:

$$(2z - 5y)^2 + (5z + 2y)^2 - 25z^2$$

- Ans
- ☒ 1. $29y^2 - 4z^2$
 - ☒ 2. $19y^2 - 4z^2$
 - ☒ 3. $29y^2 + 4z^2$
 - ☒ 4. $19y^2 + 4z^2$

Question Type : MCQ

Question ID : 6306801213276

Option 1 ID : 6306804772272

Option 2 ID : 6306804772273

Option 3 ID : 6306804772271

Option 4 ID : 6306804772270

Status : Answered

Chosen Option : 3

Q.22 In May 2024, DRDO handed over _____ defence technology projects to IIT Bhubaneswar.

- Ans ☒ 1. nine
☒ 2. five
☒ 3. eleven
☒ 4. seven

Question Type : MCQ
Question ID : 6306801144717
Option 1 ID : 6306804499040
Option 2 ID : 6306804499038
Option 3 ID : 6306804499041
Option 4 ID : 6306804499039
Status : Not Answered
Chosen Option : --

Q.23 Who was appointed as the Director General of the Narcotics Control Bureau on 17 September 2024?

- Ans ☒ 1. Rakesh Asthana
☒ 2. Sanjay Arora
☒ 3. Anurag Garg
☒ 4. Samant Goel

Question Type : MCQ
Question ID : 6306801143816
Option 1 ID : 6306804495482
Option 2 ID : 6306804495484
Option 3 ID : 6306804495481
Option 4 ID : 6306804495483
Status : Answered
Chosen Option : 3

Q.24 The LCM of 84, 105 and 140 is:

- Ans ☒ 1. 420
☒ 2. 240
☒ 3. 360
☒ 4. 120

Question Type : MCQ
Question ID : 6306801213116
Option 1 ID : 6306804771630
Option 2 ID : 6306804771631
Option 3 ID : 6306804771632
Option 4 ID : 6306804771633
Status : Answered
Chosen Option : 1

Q.25 We observe geometrical shadow of an opaque object when light is incident on it. This is due to _____.

- Ans**
- ☒ 1. dispersion of the light by an object
 - ☒ 2. diffraction of the light
 - ☒ 3. light travelling in a straight line
 - ☒ 4. reflection of the light

Question Type : **MCQ**

Question ID : **6306801217184**

Option 1 ID : **6306804788194**

Option 2 ID : **6306804788192**

Option 3 ID : **6306804788193**

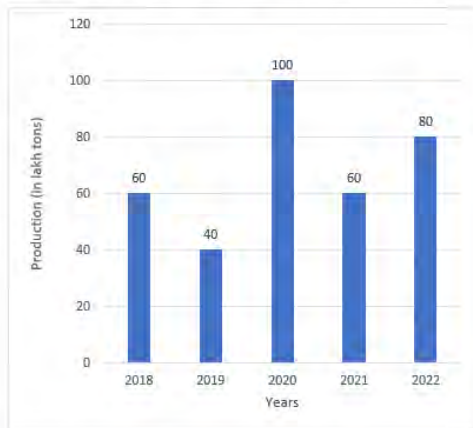
Option 4 ID : **6306804788191**

Status : **Answered**

Chosen Option : **3**

Q.26 Study the following graph and answer the given question.

The given bar graph shows the annual production of rice in a state during the period 2018 to 2022.



What is the total production of rice (in lakh tons) for the years 2020, 2021 and 2022 together?

- Ans**
- ☒ 1. 270
 - ☒ 2. 260
 - ☒ 3. 240
 - ☒ 4. 250

Question Type : **MCQ**

Question ID : **6306801214564**

Option 1 ID : **6306804777477**

Option 2 ID : **6306804777476**

Option 3 ID : **6306804777474**

Option 4 ID : **6306804777475**

Status : **Answered**

Chosen Option : **3**

Q.27 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. QV – SX
 - ☒ 2. AD – CG
 - ☒ 3. BG – DI
 - ☒ 4. KP – MR

Question Type : **MCQ**

Question ID : **6306801214542**

Option 1 ID : **6306804777389**

Option 2 ID : **6306804777388**

Option 3 ID : **6306804777386**

Option 4 ID : **6306804777387**

Status : **Answered**

Chosen Option : **2**

Q.28 The average marks of the students of a class in a particular exam is 80. If 5 students whose average marks in that exam is 40 are excluded, the average marks of the remaining students will be 90. Find the number of students who wrote the exam.

- Ans**
- ☒ 1. 25
 - ☒ 2. 15
 - ☒ 3. 20
 - ☒ 4. 35

Question Type : **MCQ**

Question ID : **6306801213257**

Option 1 ID : **6306804772196**

Option 2 ID : **6306804772195**

Option 3 ID : **6306804772194**

Option 4 ID : **6306804772197**

Status : **Answered**

Chosen Option : **1**

Q.29 A sum of money doubles itself at a certain rate of compound interest in 12 years when the interest is compounded annually. In how many years will it become eight times of itself?

- Ans**
- ☒ 1. 48
 - ☒ 2. 24
 - ☒ 3. 36
 - ☒ 4. 12

Question Type : **MCQ**

Question ID : **6306801213192**

Option 1 ID : **6306804771937**

Option 2 ID : **6306804771935**

Option 3 ID : **6306804771936**

Option 4 ID : **6306804771934**

Status : **Answered**

Chosen Option : **1**

Q.30 In a certain code language, 'ARGOT' is coded as '12497' and 'GRAFT' is coded as '29743'. What is the code for 'F' in the given code language?

- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 7
 - ☒ 4. 2

Question Type : **MCQ**

Question ID : **6306801214449**

Option 1 ID : **6306804777016**

Option 2 ID : **6306804777015**

Option 3 ID : **6306804777017**

Option 4 ID : **6306804777014**

Status : **Answered**

Chosen Option : **2**

Q.31 Which Sikkimese craftsman, renowned for his skill in creating the 'Sumak Thyaktuk' (Lepcha traditional hat), was awarded the Padma Shri in 2024 for his contributions to art and cultural heritage?

- Ans**
- ☒ 1. Jordan Lepcha
 - ☒ 2. Karma Wangchuk
 - ☒ 3. Tashi Namgyal
 - ☒ 4. Sonam Tshering

Question Type : **MCQ**

Question ID : **6306801146076**

Option 1 ID : **6306804504461**

Option 2 ID : **6306804504460**

Option 3 ID : **6306804504459**

Option 4 ID : **6306804504462**

Status : **Answered**

Chosen Option : **1**

Q.32 Which of the following numbers is divisible by 4?

- Ans**
- ☒ 1. 9876342
 - ☒ 2. 7864534
 - ☒ 3. 8978624
 - ☒ 4. 9876754

Question Type : **MCQ**

Question ID : **6306801213099**

Option 1 ID : **6306804771563**

Option 2 ID : **6306804771562**

Option 3 ID : **6306804771564**

Option 4 ID : **6306804771565**

Status : **Answered**

Chosen Option : **3**

Q.33 Which of the following options represents sub-atomic particles found in Thomson's model of an atom?

- Ans
- ☐ 1. Electrons and protons both
 - ☐ 2. Protons and neutrons both
 - ☐ 3. Only protons
 - ☒ 4. Only electrons

Question Type : **MCQ**

Question ID : **6306801219352**

Option 1 ID : **6306804796817**

Option 2 ID : **6306804796818**

Option 3 ID : **6306804796816**

Option 4 ID : **6306804796815**

Status : **Answered**

Chosen Option : **4**

Q.34 Which of the following options should come in place of the question mark (?) in the given series based on the English alphabetical order?

YUS, WSQ, UQO, SOM, ?

- Ans
- ☐ 1. QOL
 - ☐ 2. QKL
 - ☐ 3. RML
 - ☒ 4. QMK

Question Type : **MCQ**

Question ID : **6306801214524**

Option 1 ID : **6306804777314**

Option 2 ID : **6306804777315**

Option 3 ID : **6306804777316**

Option 4 ID : **6306804777317**

Status : **Answered**

Chosen Option : **4**

Q.35 The discussion paper titled '____' was released by NITI Aayog on 15 January 2024.

- Ans
- ☐ 1. Economic Growth and Poverty Reduction
 - ☒ 2. Multidimensional Poverty in India since 2005-06
 - ☐ 3. Poverty Alleviation in India
 - ☐ 4. Government Initiatives for Poverty Eradication

Question Type : **MCQ**

Question ID : **6306801147072**

Option 1 ID : **6306804508423**

Option 2 ID : **6306804508421**

Option 3 ID : **6306804508422**

Option 4 ID : **6306804508424**

Status : **Not Answered**

Chosen Option : **--**

Q.36 If $4 \sin^2 \theta = 1$ and θ is an acute angle, then the value of $\cos^2 \theta + \tan^2 \theta =$ _____.

- Ans
- ☒ 1. $\frac{5}{13}$
 - ☒ 2. 1
 - ☒ 3. $\frac{13}{12}$
 - ☒ 4. $\frac{1}{4}$

Question Type : MCQ

Question ID : 6306801213371

Option 1 ID : 6306804772653

Option 2 ID : 6306804772650

Option 3 ID : 6306804772652

Option 4 ID : 6306804772651

Status : Answered

Chosen Option : 3

Q.37 When we are travelling in a bus, we tend to move forward when the bus is stopped suddenly. This is because of _____.

- Ans
- ☒ 1. Newton's third law of motion
 - ☒ 2. Newton's second law of motion
 - ☒ 3. acceleration due to gravity
 - ☒ 4. the inertia of our body

Question Type : MCQ

Question ID : 6306801217137

Option 1 ID : 6306804788005

Option 2 ID : 6306804788004

Option 3 ID : 6306804788006

Option 4 ID : 6306804788003

Status : Answered

Chosen Option : 4

Q.38 The tax on a commodity is reduced by 20% and its consumption is increased by 15%. What is the effect on tax revenue?

- Ans
- ☒ 1. No change
 - ☒ 2. It increases by 8%
 - ☒ 3. It increases by 10%
 - ☒ 4. It decreases by 8%

Question Type : MCQ

Question ID : 6306801213128

Option 1 ID : 6306804771680

Option 2 ID : 6306804771678

Option 3 ID : 6306804771681

Option 4 ID : 6306804771679

Status : Answered

Chosen Option : 4

Q.39 The value of M in $(p/q)^{2M+2} = (q/p)^{9-M}$ is:

- Ans
- ☒ 1. $\frac{-7}{2}$
 - ☒ 2. 5
 - ☒ 3. 6
 - ☒ 4. -11

Question Type : MCQ

Question ID : 6306801213088

Option 1 ID : 6306804771520

Option 2 ID : 6306804771519

Option 3 ID : 6306804771518

Option 4 ID : 6306804771521

Status : Answered

Chosen Option : 4

Q.40 Which of the following environmental factors plays a role in sex determination of few reptiles?

- Ans
- ☒ 1. Water
 - ☒ 2. Soil
 - ☒ 3. Pressure
 - ☒ 4. Temperature

Question Type : MCQ

Question ID : 6306801217334

Option 1 ID : 6306804788809

Option 2 ID : 6306804788810

Option 3 ID : 6306804788808

Option 4 ID : 6306804788807

Status : Not Answered

Chosen Option : --

Q.41 Fruits and seeds have a high concentration of which of the following plant hormones?

- Ans
- ☒ 1. Absciscic acid
 - ☒ 2. Gibberellin
 - ☒ 3. Auxin
 - ☒ 4. Cytokinin

Question Type : MCQ

Question ID : 6306801217260

Option 1 ID : 6306804788510

Option 2 ID : 6306804788509

Option 3 ID : 6306804788507

Option 4 ID : 6306804788508

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?

BEG, CFH, DGI, EHI, ?

- Ans
- ☒ 1. FKL
 - ☒ 2. FGK
 - ☒ 3. FIK
 - ☒ 4. FGL

Question Type : MCQ

Question ID : 6306801214523

Option 1 ID : 6306804777311

Option 2 ID : 6306804777310

Option 3 ID : 6306804777312

Option 4 ID : 6306804777313

Status : Answered

Chosen Option : 3

Q.43 Select the INCORRECT statement.

- Ans
- ☒ 1. The fusion of male gamete and female gamete is known as fertilisation.
 - ☒ 2. Male germ-cells are produced by pollen grain.
 - ☒ 3. Female gamete is present in the stigma.
 - ☒ 4. Fertilisation gives us zygote.

Question Type : MCQ

Question ID : 6306801217344

Option 1 ID : 6306804788848

Option 2 ID : 6306804788847

Option 3 ID : 6306804788850

Option 4 ID : 6306804788849

Status : Answered

Chosen Option : 3

Q.44 The average of all the prime numbers between 30 and 50 is:

- Ans
- ☒ 1. 40.2
 - ☒ 2. 39.8
 - ☒ 3. 40.4
 - ☒ 4. 38.9

Question Type : MCQ

Question ID : 6306801213244

Option 1 ID : 6306804772144

Option 2 ID : 6306804772143

Option 3 ID : 6306804772145

Option 4 ID : 6306804772142

Status : Answered

Chosen Option : 2

Q.45 Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit between C and D. B sits third from the right end. G sits to the immediate right of C. E sits third to the right of A. How many people sit between G and F?

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

Question Type : **MCQ**

Question ID : **6306801214364**

Option 1 ID : **6306804776675**

Option 2 ID : **6306804776676**

Option 3 ID : **6306804776677**

Option 4 ID : **6306804776674**

Status : **Answered**

Chosen Option : **2**

Q.46 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 giraffes are rhinos.

All rhinos are tigers.

Conclusions:

(I) Some tigers are giraffes.

(II) All tigers are rhinos.

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

Question Type : **MCQ**

Question ID : **6306801214508**

Option 1 ID : **6306804777250**

Option 2 ID : **6306804777252**

Option 3 ID : **6306804777253**

Option 4 ID : **6306804777251**

Status : **Answered**

Chosen Option : **1**

Q.47 Which of the following electrolytes is used in the electrolytic refining of copper?

- Ans
- ☐ 1. Sodium sulphate
 - ☐ 2. Cuprous chloride
 - ☐ 3. Copper oxide
 - ☒ 4. Copper sulphate

Question Type : MCQ

Question ID : 6306801219400

Option 1 ID : 6306804797010

Option 2 ID : 6306804797009

Option 3 ID : 6306804797007

Option 4 ID : 6306804797008

Status : Not Answered

Chosen Option : --

Q.48 In a certain code language, 'FEND' is coded as '9735' and 'FEUD' is coded as '3769'. What is the code for 'U' in the given code language?

- Ans
- ☒ 1. 6
 - ☐ 2. 7
 - ☐ 3. 3
 - ☐ 4. 9

Question Type : MCQ

Question ID : 6306801214465

Option 1 ID : 6306804777079

Option 2 ID : 6306804777080

Option 3 ID : 6306804777078

Option 4 ID : 6306804777081

Status : Answered

Chosen Option : 1

Q.49 When an object is kept at a distance 20 cm in front of a concave mirror, a real image is formed at the centre of curvature of the mirror. Magnification produced by the mirror is _____.

- Ans
- ☐ 1. -20
 - ☐ 2. -0.5
 - ☒ 3. -1
 - ☐ 4. -10

Question Type : MCQ

Question ID : 6306801217204

Option 1 ID : 6306804788272

Option 2 ID : 6306804788274

Option 3 ID : 6306804788273

Option 4 ID : 6306804788271

Status : Answered

Chosen Option : 3

Q.50 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. QL – OJ
 - ☒ 2. MS – LH
 - ☒ 3. ID – GB
 - ☒ 4. WR – UP

Question Type : **MCQ**

Question ID : **6306801214543**

Option 1 ID : **6306804777391**

Option 2 ID : **6306804777393**

Option 3 ID : **6306804777392**

Option 4 ID : **6306804777390**

Status : **Answered**

Chosen Option : **2**

Q.51 Which of the following Sustainable Development Goals is highlighted as needing targeted efforts due to its score being below 50?

- Ans**
- ☒ 1. Goal 5 (Gender Equality)
 - ☒ 2. Goal 8 (Decent Work and Economic Growth)
 - ☒ 3. Goal 15 (Life on Land)
 - ☒ 4. Goal 13 (Climate Action)

Question Type : **MCQ**

Question ID : **6306801144139**

Option 1 ID : **6306804496737**

Option 2 ID : **6306804496736**

Option 3 ID : **6306804496739**

Option 4 ID : **6306804496738**

Status : **Not Answered**

Chosen Option : **--**

Q.52 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$62 - 2 \div 7 + 14 \times 7 = ?$$

- Ans**
- ☒ 1. 131
 - ☒ 2. 143
 - ☒ 3. 129
 - ☒ 4. 133

Question Type : **MCQ**

Question ID : **6306801214561**

Option 1 ID : **6306804777463**

Option 2 ID : **6306804777465**

Option 3 ID : **6306804777462**

Option 4 ID : **6306804777464**

Status : **Answered**

Chosen Option : **3**

Q.53 Find the number of bricks, each measuring $24\text{ cm} \times 12\text{ cm} \times 8\text{ cm}$, required to construct a wall 24 m long, 8 m high and 60 cm thick if 10% of the wall is filled with mortar?

- Ans
- ☒ 1. 450
 - ☒ 2. 4500
 - ☒ 3. 45000
 - ☒ 4. 450000

Question Type : MCQ

Question ID : 6306801213346

Option 1 ID : 6306804772550

Option 2 ID : 6306804772551

Option 3 ID : 6306804772552

Option 4 ID : 6306804772553

Status : Answered

Chosen Option : 3

Q.54 Which award has been conferred to Ram Chet Chaudhary in the field of Science and Engineering in 2024?

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

Question Type : MCQ

Question ID : 630680743112

Option 1 ID : 6306802912755

Option 2 ID : 6306802912754

Option 3 ID : 6306802912753

Option 4 ID : 6306802912756

Status : Answered

Chosen Option : 1

Q.55 Which of the following options should come in place of the question mark (?) in the given series to make it logically complete?

361, 348, 335, 322, 309, ?

- Ans
- ☒ 1. 294
 - ☒ 2. 300
 - ☒ 3. 290
 - ☒ 4. 296

Question Type : MCQ

Question ID : 6306801214545

Option 1 ID : 6306804777399

Option 2 ID : 6306804777401

Option 3 ID : 6306804777398

Option 4 ID : 6306804777400

Status : Answered

Chosen Option : 4

Q.56 Which of the following is NOT an example of homogenous mixture?

- Ans
- ☒ 1. Copper sulphate powder in water
 - ☒ 2. Salt dissolved in water
 - ☒ 3. Oil in water
 - ☒ 4. Sugar dissolved in water

Question Type : MCQ

Question ID : 6306801219368

Option 1 ID : 6306804796881

Option 2 ID : 6306804796879

Option 3 ID : 6306804796882

Option 4 ID : 6306804796880

Status : Answered

Chosen Option : 3

Q.57 Which of the following is formed by the action of chlorine on dry slaked lime?

- Ans
- ☒ 1. Calcium oxide
 - ☒ 2. Bleaching powder
 - ☒ 3. Calcium chloride
 - ☒ 4. Hydrochloric acid

Question Type : MCQ

Question ID : 6306801219385

Option 1 ID : 6306804796947

Option 2 ID : 6306804796948

Option 3 ID : 6306804796950

Option 4 ID : 6306804796949

Status : Answered

Chosen Option : 2

Q.58 If 25 people working 15 hours a day can complete 5 units of work in 8 days, how many days would be required by 12 persons to complete 10 units of work, working 20 hours a day?

- Ans
- ☒ 1. 25 days
 - ☒ 2. 24 days
 - ☒ 3. 20 days
 - ☒ 4. 22 days

Question Type : MCQ

Question ID : 6306801213242

Option 1 ID : 6306804772137

Option 2 ID : 6306804772136

Option 3 ID : 6306804772134

Option 4 ID : 6306804772135

Status : Answered

Chosen Option : 1

Q.59 UPTQ is related to OJNK in a certain way based on the English alphabetical order. In the same way, RMQN is related to LGKH. To which of the following options is NIMJ related, following the same logic?

- Ans**
- ☒ 1. CHDG
 - ☒ 2. HCGD
 - ☒ 3. CHGD
 - ☒ 4. HCDG

Question Type : **MCQ**

Question ID : **6306801214662**

Option 1 ID : **6306804777869**

Option 2 ID : **6306804777867**

Option 3 ID : **6306804777866**

Option 4 ID : **6306804777868**

Status : **Answered**

Chosen Option : **2**

Q.60 If each letter of the word TYPING, is changed to the letter immediately preceding it in the English alphabetical order and the new group of letters thus formed is rearranged in English alphabetical order, then which letter is first to the right in the new rearranged group of letters?

- Ans**
- ☒ 1. O
 - ☒ 2. S
 - ☒ 3. M
 - ☒ 4. X

Question Type : **MCQ**

Question ID : **6306801214589**

Option 1 ID : **6306804777576**

Option 2 ID : **6306804777575**

Option 3 ID : **6306804777577**

Option 4 ID : **6306804777574**

Status : **Answered**

Chosen Option : **4**

Q.61 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 lemons are potatoes.

Some lemons are papayas.

Conclusions:

(I) Some potatoes are papayas.

(II) All papayas are potatoes.

- 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 : **6306801214538**

Option 1 ID : **6306804777370**

Option 2 ID : **6306804777373**

Option 3 ID : **6306804777371**

Option 4 ID : **6306804777372**

Status : **Answered**

Chosen Option : **1**

Q.62 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 :: ?

X : 125 :: 13 : Y

- Ans**
- ☒ 1. X = 12, Y = 173
 - ☒ 2. X = 11, Y = 173
 - ☒ 3. X = 12, Y = 169
 - ☒ 4. X = 11, Y = 169

Question Type : **MCQ**

Question ID : **6306801214418**

Option 1 ID : **6306804776890**

Option 2 ID : **6306804776891**

Option 3 ID : **6306804776893**

Option 4 ID : **6306804776892**

Status : **Answered**

Chosen Option : **2**

Q.63 Select the correct balanced equation for the reaction $\text{Al}_2(\text{SO}_4)_3 + \text{BaCl}_2 \rightarrow \text{AlCl}_3 + \text{BaSO}_4$.

- Ans**
- ☒ 1. $\text{Al}_2(\text{SO}_4)_3 + 2\text{BaCl}_2 \rightarrow 2\text{AlCl}_3 + 3 \text{BaSO}_4$
 - ☒ 2. $2\text{Al}_2(\text{SO}_4)_3 + 3\text{BaCl}_2 \rightarrow 2\text{AlCl}_3 + 3\text{BaSO}_4$
 - ☒ 3. $\text{Al}_2(\text{SO}_4)_3 + 3\text{BaCl}_2 \rightarrow 3\text{AlCl}_3 + 2 \text{BaSO}_4$
 - ☒ 4. $\text{Al}_2(\text{SO}_4)_3 + 3\text{BaCl}_2 \rightarrow 2\text{AlCl}_3 + 3 \text{BaSO}_4$

Question Type : **MCQ**

Question ID : **6306801214990**

Option 1 ID : **6306804779276**

Option 2 ID : **6306804779274**

Option 3 ID : **6306804779277**

Option 4 ID : **6306804779275**

Status : **Answered**

Chosen Option : **4**

Q.64 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 - The railway authorities have decided to run two holiday special trains on Tuesdays and Fridays from City A to City B from 19th October 2023 to 5th January 2024.

Reasons:

(I) Flights from City A to City C are booked to capacity, and airlines are planning to increase the number of flights operating between City A and City C from August 2023.

(II) Many migrants from City B who work in city A, travel back to City B on trains from October to January for the festivals. The existing trains cannot accommodate this increase in passenger demand.

Ans

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

Question Type : MCQ

Question ID : 6306801214350

Option 1 ID : 6306804776618

Option 2 ID : 6306804776621

Option 3 ID : 6306804776620

Option 4 ID : 6306804776619

Status : Answered

Chosen Option : 4

Q.65 KBWJ is related to MZZG in a certain way based on the English alphabetical order. In the same way, OXCD is related to QVFA. To which of the following options is STIX related, following the same logic?

Ans

- ☒ 1. URLU
- ☒ 2. VSLT
- ☒ 3. TSLV
- ☒ 4. VRKU

Question Type : MCQ

Question ID : 6306801214342

Option 1 ID : 6306804776588

Option 2 ID : 6306804776589

Option 3 ID : 6306804776587

Option 4 ID : 6306804776586

Status : Answered

Chosen Option : 1

Q.66 Which of the following statements is INCORRECT?

Ans

- ☒ 1. The strength of the force of attraction between the particles of matter varies from one kind of matter to another.
- ☒ 2. The strength of the force of attraction between the particles of matter is constant, irrespective of the kind of matter.
- ☒ 3. The force acting between the particles of matter keeps them together.
- ☒ 4. The particles of matter have force acting between them.

Question Type : MCQ

Question ID : 6306801219359

Option 1 ID : 6306804796845

Option 2 ID : 6306804796846

Option 3 ID : 6306804796844

Option 4 ID : 6306804796843

Status : Answered

Chosen Option : 1

Q.67 Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 7 3 @ 1 7 3 ^ 4 & 3 Ω 9 # * £ 5 (Right)

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

- Ans**
- ☒ 1. Three
 - ☒ 2. Five
 - ☒ 3. More than five
 - ☒ 4. Four

Question Type : **MCQ**

Question ID : **6306801214671**

Option 1 ID : **6306804777902**

Option 2 ID : **6306804777904**

Option 3 ID : **6306804777905**

Option 4 ID : **6306804777903**

Status : **Answered**

Chosen Option : **4**

Q.68 Two successive discounts of 40% and 60% on a deal are equivalent to a single discount of:

- Ans**
- ☒ 1. 70%
 - ☒ 2. 80%
 - ☒ 3. 76%
 - ☒ 4. 66%

Question Type : **MCQ**

Question ID : **6306801213171**

Option 1 ID : **6306804771852**

Option 2 ID : **6306804771850**

Option 3 ID : **6306804771851**

Option 4 ID : **6306804771853**

Status : **Answered**

Chosen Option : **2**

Q.69 Who among the following is the Non-Playing Captain and Coach of Indian Chess team at Chess Olympiad 2024?

- Ans**
- ☒ 1. Vikram Singh
 - ☒ 2. Srinath Narayanan
 - ☒ 3. Abhijit Ganguly
 - ☒ 4. Pendyala Harikrishna

Question Type : **MCQ**

Question ID : **6306801134557**

Option 1 ID : **6306804458340**

Option 2 ID : **6306804458337**

Option 3 ID : **6306804458339**

Option 4 ID : **6306804458338**

Status : **Not Answered**

Chosen Option : **--**

Q.70 In 2023, which institution implemented two-factor authentication for all e-way bill and e-invoice systems?

- Ans
- ☒ 1. CBDT
 - ☒ 2. SEBI
 - ☒ 3. RBI
 - ☒ 4. CBIC

Question Type : MCQ
 Question ID : 6306801146112
 Option 1 ID : 6306804504605
 Option 2 ID : 6306804504603
 Option 3 ID : 6306804504606
 Option 4 ID : 6306804504604
 Status : Answered
 Chosen Option : 4

Q.71 Nalin starts from Point Y and drives 8 km towards North. He then takes a right turn, drives 23 km, turns right and drives 29 km. He then takes a left turn and drives 14 km. He takes a left turn, drives 21 km and stops 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. 26 km towards the north
 - ☒ 2. 21 km towards the east
 - ☒ 3. 37 km towards the west
 - ☒ 4. 29 km towards the south

Question Type : MCQ
 Question ID : 6306801214348
 Option 1 ID : 6306804776613
 Option 2 ID : 6306804776612
 Option 3 ID : 6306804776611
 Option 4 ID : 6306804776610
 Status : Answered
 Chosen Option : 3

Q.72 A man sold an article for ₹247.50, there by gaining 12.5%. The cost of the article was:

- Ans
- ☒ 1. ₹224
 - ☒ 2. ₹210
 - ☒ 3. ₹225
 - ☒ 4. ₹220

Question Type : MCQ
 Question ID : 6306801213151
 Option 1 ID : 6306804771771
 Option 2 ID : 6306804771773
 Option 3 ID : 6306804771770
 Option 4 ID : 6306804771772
 Status : Answered
 Chosen Option : 4

Q.73 Gastric glands present in the wall of the stomach do NOT release:

- Ans
- ☒ 1. mucus
 - ☐ 2. saliva
 - ☒ 3. hydrochloric acid
 - ☒ 4. pepsin

Question Type : MCQ

Question ID : 6306801217302

Option 1 ID : 6306804788677

Option 2 ID : 6306804788678

Option 3 ID : 6306804788675

Option 4 ID : 6306804788676

Status : Answered

Chosen Option : 2

Q.74 A diver rowing at the speed of 3 km/h in still water takes double the time going 50 km upstream compared to going 50 km downstream. The speed of the diver downstream is:

- Ans
- ☒ 1. $\frac{7}{2}$ km/h
 - ☒ 2. $\frac{9}{2}$ km/h
 - ☒ 3. $\frac{10}{3}$ km/h
 - ☐ 4. 4 km/h

Question Type : MCQ

Question ID : 6306801213310

Option 1 ID : 6306804772407

Option 2 ID : 6306804772409

Option 3 ID : 6306804772408

Option 4 ID : 6306804772406

Status : Answered

Chosen Option : 4

Q.75 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 R related to T if ' $Q \# R \times P \div K \times T$ '?

- Ans
- ☐ 1. Son's wife
 - ☐ 2. Daughter's daughter
 - ☐ 3. Son's daughter
 - ☒ 4. Wife's mother

Question Type : MCQ
Question ID : 6306801214374
Option 1 ID : 6306804776715
Option 2 ID : 6306804776714
Option 3 ID : 6306804776717
Option 4 ID : 6306804776716
Status : Answered
Chosen Option : 4