Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Gajularega
Test Date	06/10/2022
Test Time	5:00 PM - 6:30 PM
Subject	Level 1

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

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

Section : **Level 1**

Q.1 Arun bought 38 kg of rice for ₹1,710. He sold it at a profit equal to the selling price of 8 kg of it. What is the selling price of 5 kg of rice?

Ans ✔ 1. ₹285

✘ 2. ₹280

✘ 3. ₹295

✘ 4. ₹290

> Question ID : **75189712625**
> Option 1 ID : **75189750498**
> Option 2 ID : **75189750497**
> Option 3 ID : **75189750500**
> Option 4 ID : **75189750499**
> Status : **Answered**
> Chosen Option : **1**

Q.2 Select the set 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.)

(75, 16, 67)
(33, 14, 26)

Ans ✘ 1. (88, 54, 76)

✘ 2. (28, 72, 64)

✘ 3. (40, 56, 96)

✔ 4. (29, 6, 26)

> Question ID : **75189714946**
> Option 1 ID : **75189759783**
> Option 2 ID : **75189759781**
> Option 3 ID : **75189759782**
> Option 4 ID : **75189759784**
> Status : **Answered**
> Chosen Option : **4**

Q.3 Which of the following institutions/bodies is NOT included in the three-tier of the Panchayati Raj system?

Ans

✔ 1. Tehsil Parishad

✘ 2. Panchayat Samiti

✘ 3. Zila Parishad

✘ 4. Gram Panchayat

Question ID : **75189715480**
Option 1 ID : **75189761917**
Option 2 ID : **75189761919**
Option 3 ID : **75189761920**
Option 4 ID : **75189761918**
Status : **Answered**
Chosen Option : **1**

Q.4 Which element is NOT present in the VIII group and first series of the fourth period in Mendeleev's periodic table?

Ans

✘ 1. Ni

✘ 2. Fe

✔ 3. Cu

✘ 4. Co

Question ID : **7518979685**
Option 1 ID : **75189738739**
Option 2 ID : **75189738737**
Option 3 ID : **75189738740**
Option 4 ID : **75189738738**
Status : **Answered**
Chosen Option : **3**

Q.5 India's first-ever mosque 'Cheraman Juma Masjid' was in the news due to its restoration after renovation in the year 2021. It is located in which of the following states?

Ans

✔ 1. Kerala

✘ 2. West Bengal

✘ 3. Rajasthan

✘ 4. Uttar Pradesh

Question ID : **75189715069**
Option 1 ID : **75189760273**
Option 2 ID : **75189760275**
Option 3 ID : **75189760276**
Option 4 ID : **75189760274**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Which of the following financial institutions was set up by the Indian government to promote sustainable agriculture and rural development in the country?

Ans

✔ 1. NABARD

✘ 2. SIDBI

✘ 3. RBI

✘ 4. PNB

Question ID : **75189715433**
Option 1 ID : **75189761731**
Option 2 ID : **75189761730**
Option 3 ID : **75189761729**
Option 4 ID : **75189761732**
Status : **Answered**
Chosen Option : **1**

Q.7 Amongst six friends A, B, C, D, E and F, each has a different height. B is taller than F but shorter than E. Only one person is shorter than D. Only three people are taller than C. F is not the shortest. Who is the shortest among all the friends?

Ans

✘ 1. C

✘ 2. B

✔ 3. A

✘ 4. D

Question ID : **75189713163**
Option 1 ID : **75189752651**
Option 2 ID : **75189752652**
Option 3 ID : **75189752650**
Option 4 ID : **75189752649**
Status : **Answered**
Chosen Option : **3**

Q.8 677 NCC cadets wanted to participate in a parade. To participate in the said parade the cadets had to be arranged in a rectangular pattern where the number of rows is equal to the number of columns. What is the minimum number of NCC cadets who wanted to participate in the parade but had to be left out of the same?

Ans

✘ 1. 4

✔ 2. 1

✘ 3. 3

✘ 4. 2

Question ID : **75189713419**
Option 1 ID : **75189753676**
Option 2 ID : **75189753673**
Option 3 ID : **75189753675**
Option 4 ID : **75189753674**
Status : **Answered**
Chosen Option : **2**

Q.9 Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide

which of the conclusions logically follow(s) from the statements.

Statements:

All trees are plants.

All leaves are trees.

All greens are leaves.

Conclusions:

I. All plants are greens.

II. All trees are leaves.

III. Some plants are leaves.

Ans ✗ 1. Only conclusions I and II follow

✗ 2. Only conclusions II and III follow

✓ 3. Only conclusion III follows

✗ 4. Only conclusion I follows

Question ID : **75189713023**
Option 1 ID : **75189752091**
Option 2 ID : **75189752092**
Option 3 ID : **75189752090**
Option 4 ID : **75189752089**
Status : **Answered**
Chosen Option : **3**

Q.10 Which of the following is the major river that flows across the western part of Rajasthan?

Ans ✗ 1. Ghaggar

✓ 2. Luni

✗ 3. Chambal

✗ 4. Banas

Question ID : **75189712409**
Option 1 ID : **75189749636**
Option 2 ID : **75189749634**
Option 3 ID : **75189749633**
Option 4 ID : **75189749635**
Status : **Answered**
Chosen Option : **2**

Q.11 Find the value of $(6 \times 16 - 9 \div 3) + 17 - 12$.

Ans ✗ 1. 67

✗ 2. 89

✓ 3. 98

✗ 4. 76

Question ID : **75189712891**
Option 1 ID : **75189751564**
Option 2 ID : **75189751561**
Option 3 ID : **75189751562**
Option 4 ID : **75189751563**
Status : **Answered**
Chosen Option : **3**

Q.12 In a certain code language, 'BOUTS' is written as '54%8#' and 'ULTRA' is written as '%38@9'. How will 'BLARE' be written in that language?

Ans
✗ 1. 593#2

✗ 2. 534#2

✗ 3. 543@%

✔ 4. 539@2

Q.13 In an examination, Raman scored more marks than Prince. Robin scored less marks than Keshav and Deepak. Abhishek scored more marks than Deepak but less marks than Prince. Deepak scored more marks than Keshav. Who scored the third highest marks in the exam?

Ans
✗ 1. Prince

✗ 2. Robin

✔ 3. Abhishek

✗ 4. Deepak

Q.14 Select the number that will replace the question mark (?) in the given series.

1   9   22   32   47   ?   76   90   109

Ans
✗ 1. 64

✔ 2. 59

✗ 3. 72

✗ 4. 69

Q.15 The power of an electric fan is 10 Watt when it is connected to 20 V source. What is the current flowing through the fan?

Ans
- ✗ 1. 0.005 amp
- ✓ 2. 0.5 amp
- ✗ 3. 2 amp
- ✗ 4. 200 amp

Question ID : **75189713841**
Option 1 ID : **75189755364**
Option 2 ID : **75189755361**
Option 3 ID : **75189755363**
Option 4 ID : **75189755362**
Status : **Answered**
Chosen Option : **2**

Q.16 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. A lives on floor number 5. Only two people live between A and C. Neither D nor B lives on the topmost floor. E lives immediately below C. B does not live on an even-numbered floor. Who lives on floor number 3?

Ans
- ✗ 1. A
- ✗ 2. C
- ✓ 3. B
- ✗ 4. D

Question ID : **75189713526**
Option 1 ID : **75189754101**
Option 2 ID : **75189754102**
Option 3 ID : **75189754103**
Option 4 ID : **75189754104**
Status : **Answered**
Chosen Option : **3**

Q.17 Suppose Raghu has kept an object in front of a concave mirror of focal length (f) at various distances (u) and he has measured the corresponding image distances (v). From such an experiment, Raghu is able to plot a graph of u against 1/magnification, i.e. u vs.1/ m. Which of the following options is true?

Ans
- ✗ 1.
  It is a straight line with slope +f, and x intercept +1 and y intercept −f
- ✗ 2.
  It is a straight line with slope −1/f, and x intercept +1 and y intercept −f
- ✗ 3.
  It is a straight line with slope 1/f, and x intercept −1 and y intercept +f
- ✓ 4.
  It is a straight line with slope +f, and x intercept −1 and y intercept +f

Question ID : **75189712199**
Option 1 ID : **75189748794**
Option 2 ID : **75189748796**
Option 3 ID : **75189748795**
Option 4 ID : **75189748793**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.18 The State Governor may be transferred from one state to another by the _____ of India.

Ans

✗ 1. Prime Minister

✔ 2. President

✗ 3. Rajya Sabha

✗ 4. Lok Sabha

Question ID : **7518978932**
Option 1 ID : **75189735725**
Option 2 ID : **75189735728**
Option 3 ID : **75189735727**
Option 4 ID : **75189735726**
Status : **Answered**
Chosen Option : **2**

Q.19 A student got a stain on his shirt while doing an activity in the science laboratory. Which chemical should he use to remove the stain?

Ans

✔ 1. Sodium carbonate

✗ 2. Sodium chloride

✗ 3. Sodium hydrogencarbonate

✗ 4. Sodium hydroxide

Question ID : **75189714789**
Option 1 ID : **75189759153**
Option 2 ID : **75189759156**
Option 3 ID : **75189759154**
Option 4 ID : **75189759155**
Status : **Answered**
Chosen Option : **1**

Q.20 The difference between the compound interest and the simple interest, compounded annually, on a certain sum of money for 4 years at 8% per annum is ₹20. Find the sum. [Give your answer correct to 2 decimal places.]

Ans

✗ 1. ₹473.83

✗ 2. ₹463.83

✔ 3. ₹493.96

✗ 4. ₹483.83

Question ID : **75189712958**
Option 1 ID : **75189751830**
Option 2 ID : **75189751829**
Option 3 ID : **75189751832**
Option 4 ID : **75189751831**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.21 Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Restaurant X sold more pizzas than burgers in the last month.

Conclusion:

I. Pizzas are better than burgers

II. In Restaurant X, pizza seems to be more popular among buyers than burgers.

Ans   ✗ 1.   Both conclusions I and II follow

      ✗ 2.   Neither conclusion I nor II follows

      ✔ 3.   Only conclusion II follows

      ✗ 4.   Only conclusion I follows

Question ID : **75189715342**
Option 1 ID : **75189761368**
Option 2 ID : **75189761367**
Option 3 ID : **75189761366**
Option 4 ID : **75189761365**
Status : **Answered**
Chosen Option : **3**

Q.22 The sum of three distinct prime numbers is 40. What is the product of these prime numbers?

Ans   ✗ 1.   310

      ✗ 2.   682

      ✗ 3.   722

      ✔ 4.   434

Question ID : **75189712614**
Option 1 ID : **75189750453**
Option 2 ID : **75189750455**
Option 3 ID : **75189750456**
Option 4 ID : **75189750454**
Status : **Answered**
Chosen Option : **4**

Q.23 When was IFCI (Industrial Finance Corporation of India Ltd.) set up as a statutory corporation to provide medium and long-term finance to the industry?

Ans   ✗ 1.   1954

      ✗ 2.   1975

      ✗ 3.   1969

      ✔ 4.   1948

Question ID : **7518974050**
Option 1 ID : **75189716198**
Option 2 ID : **75189716200**
Option 3 ID : **75189716199**
Option 4 ID : **75189716197**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Dihybrid cross between two traits in Mendel's experiments resulted in the ratio of:

Ans
✗ 1. $9:4:2:1$
✔ 2. $9:3:3:1$
✗ 3. $1:3:9:3$
✗ 4. $9:1:3:3$

Question ID : **75189710240**
Option 1 ID : **75189740960**
Option 2 ID : **75189740958**
Option 3 ID : **75189740957**
Option 4 ID : **75189740959**
Status : **Answered**
Chosen Option : **2**

Q.25 In the Financial Year 2020-21, which state registered the highest coal production?

Ans
✗ 1. Madhya Pradesh
✗ 2. Bihar
✗ 3. Uttar Pradesh
✔ 4. Chhattisgarh

Question ID : **75189715455**
Option 1 ID : **75189761820**
Option 2 ID : **75189761817**
Option 3 ID : **75189761818**
Option 4 ID : **75189761819**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.26 The refractive index of a diamond is 2.42. Then the speed of light in the diamond is:

Ans
✗ 1. 2.48×10^8 m/s
✗ 2. 1.24×10^8 m/s
✔ 3. 3×10^8 m/s
✗ 4. 1.72×10^8 m/s

Question ID : **75189715309**
Option 1 ID : **75189761234**
Option 2 ID : **75189761236**
Option 3 ID : **75189761233**
Option 4 ID : **75189761235**
Status : **Answered**
Chosen Option : **2**

Q.27 From the following, identify the correct properties of magnetic field lines.

(a) Magnetic field lines are closed loops.

(b) Magnetic field lines are from north pole of magnet to its south pole, outside the magnet.

(c) Magnetic field lines intersect each other.

(d) If magnetic field lines are crowded, the magnetic field strength in that region is high.

(e) The number of magnetic field lines per unit area is called magnetic flux.

Ans ✔ 1. (a), (b), (d)

✘ 2. (a), (b), (c) and (d)

✘ 3. (a), (c), (d)

✘ 4. (b), (c), (e)

Question ID : 75189715105
Option 1 ID : 75189760417
Option 2 ID : 75189760420
Option 3 ID : 75189760419
Option 4 ID : 75189760418
Status : Answered
Chosen Option : 1

Q.28 Find the value of $3 \times 6 + 5 - 6 \div 2 - 9 + 72 \div (3 \times 4) + 42$.

Ans ✘ 1. 149

✘ 2. 72

✔ 3. 59

✘ 4. 85

Question ID : 75189712894
Option 1 ID : 75189751574
Option 2 ID : 75189751575
Option 3 ID : 75189751573
Option 4 ID : 75189751576
Status : Answered
Chosen Option : 3

Q.29 Ravi travels from City A to City B. If Ravi drives his car at two fifth of his normal speed, then he reaches City B 30 minutes late. Find the time (in minutes) that Ravi would have taken to travel from City A to City B if he drove at his normal speed.

Ans ✘ 1. 18

✘ 2. 22

✘ 3. 15

✔ 4. 20

Question ID : 75189713322
Option 1 ID : 75189753285
Option 2 ID : 75189753288
Option 3 ID : 75189753286
Option 4 ID : 75189753287
Status : Answered
Chosen Option : 4

Q.30 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

7 : 40 :: 9 : 50 :: 12 : ?

Ans

✗ 1. 70

✗ 2. 120

✓ 3. 65

✗ 4. 105

Q.31 Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

Statements:
All Buildings are Cements.
All Cements are Powders.
All Powders are Detergents.

Conclusions:
(I) All Powders are Buildings.
(II) Some Detergents are Cements.

Ans

✗ 1. Both conclusions (I) and (II) follow.

✗ 2. Only conclusion (I) follows.

✓ 3. Only conclusion (II) follows.

✗ 4. Neither conclusion (I) nor (II) follows.

Q.32 Short Run Average Cost is equal to _____.

Ans

✓ 1. Average Variable Cost + Average Fixed Cost

✗ 2. Average Variable Cost × Average Fixed Cost

✗ 3. $\dfrac{\text{Average Variable Cost}}{\text{Average Fixed Cost}}$

✗ 4. Average Variable Cost − Average Fixed Cost

Q.33 As on 4th February 2022 which one of the following scheme caters to primary needs of women in difficult circumstances – women and girls rendered homeless due to family discord, crime, violence, mental stress, social ostracism or are being forced into prostitution and are in moral danger?

Ans ✖ 1. Ujjawala Scheme

✔ 2. Swadhar Greh Scheme

✖ 3. One Stop Centres (OSCs)

✖ 4. National Social Assistance Programme (NSAP)

Question ID : **7518977172**
Option 1 ID : **75189728686**
Option 2 ID : **75189728685**
Option 3 ID : **75189728687**
Option 4 ID : **75189728688**
Status : **Not Answered**
Chosen Option : **--**

Q.34 Refer to the following five 3-letter words and answer the question.

MAY   JUG   TEN   FOR   CAN

If in each of the words, each letter is changed to the immediate previous letter in the English alphabetical order, how many words thus formed will have at least one vowel? (Note – A is changed to Z)

Ans ✖ 1. 5

✖ 2. 4

✖ 3. 3

✔ 4. 2

Question ID : **75189713618**
Option 1 ID : **75189754470**
Option 2 ID : **75189754469**
Option 3 ID : **75189754472**
Option 4 ID : **75189754471**
Status : **Answered**
Chosen Option : **4**

Q.35 Bowman's capsule encloses _____.

Ans ✔ 1. the glomerulus

✖ 2. neurons

✖ 3. nephrons

✖ 4. platelets

Question ID : **75189712576**
Option 1 ID : **75189750302**
Option 2 ID : **75189750303**
Option 3 ID : **75189750301**
Option 4 ID : **75189750304**
Status : **Answered**
Chosen Option : **1**

Q.36 Which of the following statements is FALSE with respect to CNG and LPG

Ans
- ✔ 1. CNG and LPG can be piped to homes.
- ✘ 2. CNG and LPG are both carbon-based fuels.
- ✘ 3. CNG and LPG are labelled as 'clean fuels'.
- ✘ 4. CNG and LPG do not contain carbon particles.

Question ID : **75189712323**
Option 1 ID : **75189749289**
Option 2 ID : **75189749291**
Option 3 ID : **75189749290**
Option 4 ID : **75189749292**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.37 In $\triangle ABC$, $\overline{DE}$ is parallel to $\overline{BC}$, where D is a point on $\overline{AB}$ and E is a point on $\overline{AC}$, and $m(\overline{AD}) : m(\overline{DB})$ is 2 : 5. If $m(\overline{AC})$ is 8.4 cm, find $m(\overline{AE})$.

Ans
- ✘ 1. 1.4 cm
- ✔ 2. 2.4 cm
- ✘ 3. 1.2 cm
- ✘ 4. 2.8 cm

Question ID : **75189713466**
Option 1 ID : **75189753862**
Option 2 ID : **75189753863**
Option 3 ID : **75189753861**
Option 4 ID : **75189753864**
Status : **Answered**
Chosen Option : **2**

Q.38 If the surface area of a sphere is 1144 cm^2 , then find its diameter (in cm).

(Use $\pi = \frac{22}{7}$)

Ans
- ✘ 1. $\sqrt{91}$
- ✘ 2. 19
- ✔ 3. $2\sqrt{91}$
- ✘ 4. $2\sqrt{95}$

Question ID : **75189713399**
Option 1 ID : **75189753594**
Option 2 ID : **75189753596**
Option 3 ID : **75189753595**
Option 4 ID : **75189753593**
Status : **Answered**
Chosen Option : **3**

Q.39 What is significant about the Easter festival for the Christians?

Ans ✗ 1. It is celebrated as a birthday of Jesus Christ.

✗ 2. It marks the new year of the Christians.

✔ 3. It marks the resurrection of Jesus Christ from the dead.

✗ 4.
It is celebrated as an Autumn festival in Europe and North America.

Q.40 This question is based on the five three-digit numbers given below.

573   136   357   442   814

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

If 2 is added to the second digit of every

number, in how many numbers thus formed will the second digit be exactly

divisible by the third digit?

Ans ✗ 1. Two

✔ 2. Three

✗ 3. One

✗ 4. None

Q.41 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above P. Only two boxes are kept between P and M. Only R is kept between S and Q. Only N is kept between O and M. Neither Q nor M is at the top most position. Which box is kept between Q and O?

Ans ✗ 1. N

✔ 2. P

✗ 3. S

✗ 4. R

Q.42 Each of the digits in the number 56137428 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

Ans

✅ 1. One

❌ 2. Three

❌ 3. None

❌ 4. Two

Question ID : **75189711636**
Option 1 ID : **75189746542**
Option 2 ID : **75189746544**
Option 3 ID : **75189746541**
Option 4 ID : **75189746543**
Status : **Answered**
Chosen Option : **1**

Q.43 Which of the following raw materials is used to make washing soda?

Ans

❌ 1. $MgCO_3$

❌ 2. NaOH

❌ 3. $NaHCO_3$

✅ 4. NaCl

Question ID : **75189712802**
Option 1 ID : **75189751208**
Option 2 ID : **75189751205**
Option 3 ID : **75189751206**
Option 4 ID : **75189751207**
Status : **Answered**
Chosen Option : **3**

Q.44 An adult human urine consists of:

Ans

❌ 1. 85% water, 2.0% urea and 2.0% creatinine

❌ 2. 95% water, 2.0% urea and 2.0% ammonia

❌ 3. 85% water, 2.5% urea and 2.5% ammonia

✅ 4. 95% water, 2.5% urea and 2.5% other waste products

Question ID : **75189714830**
Option 1 ID : **75189759319**
Option 2 ID : **75189759320**
Option 3 ID : **75189759318**
Option 4 ID : **75189759317**
Status : **Answered**
Chosen Option : **4**

Q.45 If the numbers given below are arranged in descending order, then what is the difference between the number which is fifth from the right and the number which is fourth from the left?

Left 202, 323, 266, 182, 315, 285, 193, 217, 231, 186 Right

Ans
- ✗ 1. 27
- ✓ 2. 49
- ✗ 3. 37
- ✗ 4. 29

Question ID : **75189714267**
Option 1 ID : **75189757068**
Option 2 ID : **75189757067**
Option 3 ID : **75189757066**
Option 4 ID : **75189757065**
Status : **Answered**
Chosen Option : **4**

Q.46 What is the given reaction an example of?

$$Na_2CO_3(aq) + CaCl_2(aq) \rightarrow CaCO_3(s) + 2NaCl(aq)$$
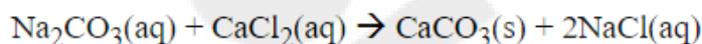
Ans
- ✗ 1. Only displacement reaction
- ✗ 2. Combination and decomposition reaction
- ✓ 3. Double displacement and precipitation reaction
- ✗ 4. Displacement and combination reaction

Question ID : **75189715016**
Option 1 ID : **75189760064**
Option 2 ID : **75189760061**
Option 3 ID : **75189760063**
Option 4 ID : **75189760062**
Status : **Answered**
Chosen Option : **3**

Q.47 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

L J – HF – DB

WU – SQ – OM

Ans
- ✗ 1. ZW – OR – FC
- ✗ 2. TR – QS – GI
- ✗ 3. SV – XV – TR
- ✓ 4. US – QO – MK

Question ID : **75189713119**
Option 1 ID : **75189752476**
Option 2 ID : **75189752475**
Option 3 ID : **75189752474**
Option 4 ID : **75189752473**
Status : **Answered**
Chosen Option : **4**

Q.48 What is the sum of $7xy + 5yz - 3zx$, $4yz + 9zx - 4y$, $-3xy + 5x - 2xy$?

Ans
✔ 1. $5x - 4y + 2xy + 9yz + 6zx$

✘ 2. $5x - 4y - 2xy - 9yz + 6zx$

✘ 3. $5x - 4y + 6xy + 9yz + 6zx$

✘ 4. $5x - 4y + 6xy + 9yz - 6zx$

Question ID : 75189714375
Option 1 ID : 75189757497
Option 2 ID : 75189757499
Option 3 ID : 75189757500
Option 4 ID : 75189757498
Status : **Answered**
Chosen Option : **1**

Q.49 Small carnivores or the secondary consumers come at _____ level.

Ans
✔ 1. third trophic

✘ 2. second trophic

✘ 3. fourth trophic

✘ 4. first trophic

Question ID : 75189710261
Option 1 ID : 75189741043
Option 2 ID : 75189741042
Option 3 ID : 75189741044
Option 4 ID : 75189741041
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.50 A convex lens has the radius of curvature as 40 cm. The power of the lens is:

Ans
✔ 1. +5.0 D

✘ 2. –2.5 D

✘ 3. +2.5 D

✘ 4. –5.0 D

Question ID : 75189711290
Option 1 ID : 75189745159
Option 2 ID : 75189745158
Option 3 ID : 75189745157
Option 4 ID : 75189745160
Status : **Answered**
Chosen Option : **1**

Q.51 The value of $\dfrac{505}{\cot^2 \theta} - \dfrac{505}{\cos^2 \theta} + \dfrac{15 \tan \theta \cos \theta}{\sin \theta}$ is

Ans
- ✗ 1. -520
- ✗ 2. 520
- ✗ 3. 490
- ✔ 4. -490

Q.52 In a certain code language, 'MONKS' is written as 'LMMIR' and 'PRICE' is written as 'OPHAD'. How will 'FROCK' be written in that language?

Ans
- ✗ 1. ENPAJ
- ✗ 2. EMPAL
- ✔ 3. EPNAJ
- ✗ 4. EMPAK

Q.53 Express $2.\overline{6}$ as an improper fraction.

Ans
- ✗ 1. $\dfrac{22}{9}$
- ✗ 2. $\dfrac{20}{9}$
- ✗ 3. $\dfrac{7}{3}$
- ✔ 4. $\dfrac{8}{3}$

Q.54 Which of the following options is the closest approximate value which will come in place of question mark (?) in the following equation?

$29.99 + 15.01 + 44.99 \times 15.01 = ?$

Ans
✗ 1. 735

✗ 2. 725

✗ 3. 745

✔ 4. 720

Q.55 Simplify:

$$[65 + \{31 - (45 \, of \, 3 \div 5)\} \times 4]$$

Ans
✔ 1. 81

✗ 2. 80

✗ 3. 102

✗ 4. 79

Q.56 Which of the following two elements contain the same number of valence electrons?

Ans
✗ 1. B and Br

✔ 2. F and Cl

✗ 3. N and C

✗ 4. H and He

Q.57 The LCM and the HCF of two numbers, x and y, are 286 and 2, respectively. If the sum of these two numbers is 48,

then the value of $\frac{1}{x} + \frac{1}{y}$ is:

Ans

✗ 1. $\dfrac{572}{48}$

✗ 2. $\dfrac{24}{167}$

✗ 3. $\dfrac{48}{571}$

✓ 4. $\dfrac{12}{143}$

Q.58 Study the given line graph and answer the following question.

The given line graph depicts the number of patients admitted in five months.
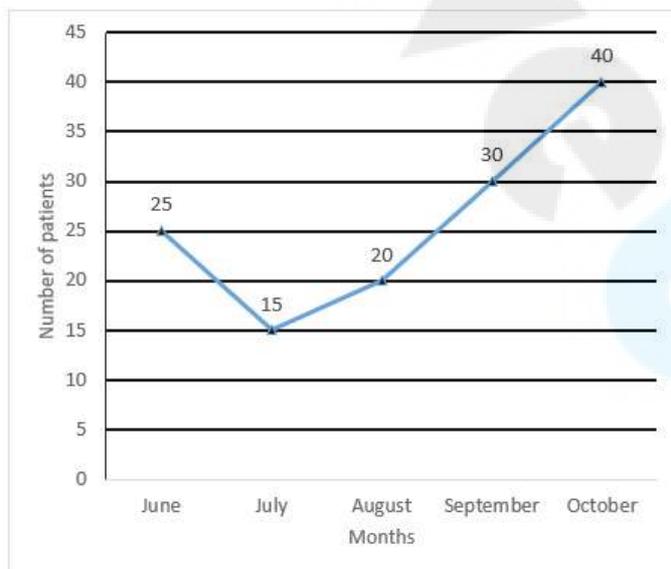
What is the total number of patients admitted in the given five months?

Ans

✗ 1. 120

✗ 2. 135

✓ 3. 130

✗ 4. 140

Q.59 In March 2022, the Union Ministry for Road Transport and Highways, inaugurated the first of its kind pilot project for hydrogen based advanced Fuel Cell Electric Vehicle (FCEV), known as _____.

Ans
- ✗ 1. Honda FCX Clarity
- ✔ 2. Toyota Mirai
- ✗ 3. Hyundai NEXO
- ✗ 4. Honda Clarity Fuel Cell

Question ID : **75189710408**
Option 1 ID : **75189741631**
Option 2 ID : **75189741629**
Option 3 ID : **75189741630**
Option 4 ID : **75189741632**
Status : **Not Answered**
Chosen Option : **--**

Q.60 Which telecom company became the first one in India to demonstrate the operation of the 5G network?

Ans
- ✔ 1. Airtel
- ✗ 2. BSNL
- ✗ 3. Vi
- ✗ 4. Reliance Jio

Question ID : **75189712526**
Option 1 ID : **75189750102**
Option 2 ID : **75189750104**
Option 3 ID : **75189750103**
Option 4 ID : **75189750101**
Status : **Answered**
Chosen Option : **4**

Q.61 Redox reaction is the reaction in which _____.

Ans
- ✗ 1. only reduction occurs
- ✔ 2. oxidation and reduction occur simultaneously
- ✗ 3. neither oxidation nor reduction occur
- ✗ 4. only oxidation occurs

Question ID : **75189715023**
Option 1 ID : **75189760090**
Option 2 ID : **75189760091**
Option 3 ID : **75189760092**
Option 4 ID : **75189760089**
Status : **Answered**
Chosen Option : **2**

Q.62 Who was the most expensive player at the Indian Premier League (IPL) auction 2022?

Ans   ✗ 1. Shreyas Iyer

     ✗ 2. Deepak Chahar

     ✓ 3. Ishan Kishan

     ✗ 4. Avesh Khan

> Question ID : **75189712566**
> Option 1 ID : **75189750263**
> Option 2 ID : **75189750262**
> Option 3 ID : **75189750261**
> Option 4 ID : **75189750264**
> Status : **Answered**
> Chosen Option : **3**

Q.63 What happens when plants are kept in dark room for three days?

Ans   ✗ 1. Plants hibernate for those 3 days

     ✗ 2. Plants oil reserves get used up

     ✗ 3. Plants utilize protein reserves

     ✓ 4. Plants starch resources get used up

> Question ID : **75189710145**
> Option 1 ID : **75189740580**
> Option 2 ID : **75189740579**
> Option 3 ID : **75189740577**
> Option 4 ID : **75189740578**
> Status : **Not Answered**
> Chosen Option : **--**

Q.64 What time will it be in 58 minutes from now, if the time is 1:20 p.m.?

Ans   ✗ 1. 2:10 p.m.

     ✗ 2. 2:15 p.m.

     ✗ 3. 2:00 p.m.

     ✓ 4. 2:18 p.m.

> Question ID : **75189715170**
> Option 1 ID : **75189760680**
> Option 2 ID : **75189760677**
> Option 3 ID : **75189760678**
> Option 4 ID : **75189760679**
> Status : **Answered**
> Chosen Option : **4**

Q.65 If a number is divisible by 4, then which of the following statements is true?

Ans ✗ 1. The unit place in the number is 0.

✗ 2. The sum of the digits in the number is divisible by 4.

✗ 3. The number will be divisible by 2 and 6.

✔ 4. The number formed by its last two digit is divisible by 4.

Question ID : **75189713268**
Option 1 ID : **75189753072**
Option 2 ID : **75189753069**
Option 3 ID : **75189753070**
Option 4 ID : **75189753071**
Status : **Answered**
Chosen Option : **4**

Q.66 Mendel did two experiments: (1) Pollen from tall plants was taken to fertilise ovules of short plants, and (2) pollen from short plants was taken to fertilise ovules of tall plants. If we compare the plants produced from these two experiments, we will see that _____.

Ans ✗ 1.
experiment 1 will produce short plants and experiment 2 will also produce short plants

✔ 2.
experiment 1 will produce tall plants and experiment 2 will also produce tall plants

✗ 3.
experiment 1 will produce short plants and experiment 2 will produce tall plants

✗ 4.
experiment 1 will produce tall plants and experiment 2 will produce short plants

Question ID : **75189712298**
Option 1 ID : **75189749192**
Option 2 ID : **75189749191**
Option 3 ID : **75189749190**
Option 4 ID : **75189749189**
Status : **Not Answered**
Chosen Option : **--**

Q.67 Magnetic field lines are _____.

Ans ✔ 1. closed curves

✗ 2. Dots

✗ 3. open loops

✗ 4. straight lines

Question ID : **75189713858**
Option 1 ID : **75189755431**
Option 2 ID : **75189755432**
Option 3 ID : **75189755430**
Option 4 ID : **75189755429**
Status : **Answered**
Chosen Option : **1**

Q.68 Which of the following combinations of hills and the states in which they are located is correct?

Ans ✗ 1. Garhjat Hills – Madhya Pradesh

✔ 2. Kaimur Hills – Bihar

✗ 3. Mahadeo Hills – Kerala

✗ 4. Cardamom Hills – Odisha

Question ID : **75189712405**
Option 1 ID : **75189749620**
Option 2 ID : **75189749619**
Option 3 ID : **75189749617**
Option 4 ID : **75189749618**
Status : **Answered**
Chosen Option : **1**

Q.69 Which of the following represents material in the increasing order of their resistance?

Ans ✗ 1. Alloys, conductors, insulators

✗ 2. Insulators, conductors, alloys

✗ 3. Insulator, alloys, conductors

✔ 4. Conductors, alloys, insulators

Question ID : **75189713799**
Option 1 ID : **75189755194**
Option 2 ID : **75189755196**
Option 3 ID : **75189755195**
Option 4 ID : **75189755193**
Status : **Answered**
Chosen Option : **4**

Q.70 Who formed the Swaraj Party in 1923?

Ans ✗ 1. Motilal Nehru and Maulana Azad

✗ 2. Subhash Chandra Bose and Bal Gangadhar Tilak

✗ 3. Jawaharlal Nehru and Mahatma Gandhi

✔ 4. Motilal Nehru and Chittaranjan Das

Question ID : **75189715407**
Option 1 ID : **75189761628**
Option 2 ID : **75189761627**
Option 3 ID : **75189761626**
Option 4 ID : **75189761625**
Status : **Answered**
Chosen Option : **4**

Q.71 Which of the following terms will replace the question mark (?) in the given series to make it logically complete?

TRK52, AYR46, HFY40, OMF34,?

Ans
- ✗ 1. UTN30
- ✗ 2. VTM30
- ✔ 3. VTM28
- ✗ 4. UTN28

Q.72 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
1. Some animals are plants.
2. Some plants are birds.
3. No duck is an animal.

Conclusions:
(I) Some ducks are birds
(II) No bird is an animal.
(III) Some animals are birds.

Ans
- ✗ 1. Only conclusion II follows.
- ✗ 2. Both conclusions I and III follow.
- ✔ 3. None of the conclusions follow.
- ✗ 4. Only conclusion III follows.

Q.73 The area of a triangle is 81 cm^2 and its base is double the corresponding height. This height (in cm) of the triangle is:

Ans
- ✗ 1. 18
- ✔ 2. 9
- ✗ 3. 81
- ✗ 4. 10

Q.74 Select the correct statement.

Ans ✗ 1.
The First Five-Year Plan was based on the PC Mahalanobis model.

✗ 2.
Jawaharlal Nehru was the first deputy chairman of the planning commission.

✔ 3.
The Second Five-Year Plan was based on the PC Mahalanobis model.

✗ 4.
The Second Five-Year Plan was based on the Russian model introduced by Joseph Stalin.

Q.75 Rashtriya Sanskrit Vidhyapeetha, Tirupati elevated to the status of a Central University in _____.

Ans ✔ 1. 2020

✗ 2. 2018

✗ 3. 2021

✗ 4. 2022

Q.76 Riya walks 25 m towards north. Then she turns right and walks 30 m, then turns right and walks 40 m. She then turns left and walks 15 m. Finally, she turns left and walks 15 m. In which direction and at a distance of how many metres is she now from the starting point? (All turns are 90° turns only)

Ans ✗ 1. 45 m, west

✔ 2. 45 m, east

✗ 3. 15 m, south

✗ 4. 15 m, north

Q.77 The members of homologous series differ by _____ .

Ans
✗ 1. C_2H unit

✔ 2. CH_2 unit

✗ 3. CH unit

✗ 4. C_2H_2 unit

Q.78 A man travelled a certain distance by bus at the rate of 40 km/h and returned walking at the rate of 5 km/h via the same route. If the two-way journey took him a total of 4 hours 30 minutes, the total distance covered by him in this 4.5 hour was:

Ans
✗ 1. 25 km

✗ 2. 30 km

✗ 3. 20 km

✔ 4. 40 km

Q.79 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6.

B lives immediately below C. C lives on an even numbered floor but not on the topmost floor. Only three people live between B and D. A lives immediately above F. Who lives on floor number 4?

Ans
✗ 1. C

✗ 2. B

✔ 3. A

✗ 4. F

Q.80 Who among the following Prime Ministers constituted the Swaran Singh Committee, which recommended the incorporation of the Fundamental Duties in the Indian Constitution?

Ans

✘ 1. Jawaharlal Nehru

✔ 2. Indira Gandhi

✘ 3. Lal Bahadur Shastri

✘ 4. Morarji Desai

Question ID : **75189712514**
Option 1 ID : **75189750056**
Option 2 ID : **75189750055**
Option 3 ID : **75189750053**
Option 4 ID : **75189750054**
Status : **Answered**
Chosen Option : **2**

Q.81 A study centre has 5 classes with 50, 60, 25, 40 and 70 students. The pass percentage of these 5 classes are 20%, 25%, 20%, 10%, 30%, respectively. Find the average number of students per class in the centre who passed.

Ans

✘ 1. 10

✘ 2. 12

✔ 3. 11

✘ 4. 55

Question ID : **75189713341**
Option 1 ID : **75189753363**
Option 2 ID : **75189753362**
Option 3 ID : **75189753361**
Option 4 ID : **75189753364**
Status : **Answered**
Chosen Option : **3**

Q.82 When carbon dioxide is dissolved in an aqueous solution of sodium hydroxide, the mixture reacts to give aqueous sodium carbonate and liquid water. The correct balanced equation for this reaction is:

Ans

✘ 1. $2CO_2(aq) + NaOH(aq) \rightarrow 2Na_2CO_3(aq) + H_2O(l)$

✔ 2. $CO_2(aq) + 2NaOH(aq) \rightarrow Na_2CO_3(aq) + H_2O(l)$

✘ 3. $2CO_2(aq) + NaOH(aq) \rightarrow 2NaCO_3(aq) + H_2O(l)$

✘ 4. $CO_2(aq) + 2NaOH(aq) \rightarrow NaCO_3(aq) + H_2O(l)$

Question ID : **75189712770**
Option 1 ID : **75189751077**
Option 2 ID : **75189751080**
Option 3 ID : **75189751079**
Option 4 ID : **75189751078**
Status : **Answered**
Chosen Option : **2**

Q.83 Some fishes breathe by gulping water. These fish gulp water _____.

Ans
✔ 1. more times per minute than an animal breathing air

✘ 2. more rapidly when they are near the surface of the water

✘ 3. less times per minute than an animal breathing air

✘ 4. less rapidly when they live in a turbulent river

Q.84 Find the area of ABPD if AB = DC = 4 m, AD = BC = 2.5 m, and PC = 1 m.
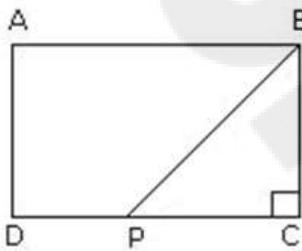
Ans
✘ 1. 9.00 m^2

✘ 2. 7.85 m^2

✔ 3. 8.75 m^2

✘ 4. 6.25 m^2

Q.85 Which Indian football player broke legendary footballer Pele's record during a match against the Maldives in the 2021 SAFF Championship at Male in October 2021?

Ans
✔ 1. Sunil Chhetri

✘ 2. Jeje Lalpekhlua

✘ 3. Bhaichung Bhutia

✘ 4. Sandesh Jhingan

Q.86 Kamal is now four times as old as his son now is. After 18 years his son will be half as old as Kamal would then be.
Find the present age (in years) of the son.

Ans ✔ 1. 9

✘ 2. 36

✘ 3. 24

✘ 4. 10

Q.87 At what position of an object placed in front of a concave mirror is a diminished image formed?

Ans ✘ 1. At focus

✔ 2. Beyond centre of curvature

✘ 3. Between pole and focus

✘ 4. Between focus and centre of curvature

Q.88 Which of the following numbers will replace the question mark (?) in the given series?

1.6 2.5 3.6 ? 6.4 8.1

Ans ✘ 1. 8.1

✘ 2. 4.8

✔ 3. 4.9

✘ 4. 2.5

Q.89 Study the given number, symbol series and answer the question that follows.

2 S 3 @ 4 * 7 8 5 3 # 9 1 > 5 & 4 @ 3 S # 5 * 6 ! 8 2 & 9 < 4 6 # 3 % 2 = 7 8 * 4 > 7

How many such odd numbers are there which are immediately preceded by a prime number and immediately followed by a symbol?

Ans
✗ 1. Three
✗ 2. None
✔ 3. One
✗ 4. Two

Question ID : 7518974813
Option 1 ID : 75189719252
Option 2 ID : 75189719249
Option 3 ID : 75189719250
Option 4 ID : 75189719251
Status : **Answered**
Chosen Option : **2**

Q.90 If a milkman sells milk at ₹50 a litre, he loses ₹2,000. If he sells it at ₹60 a litre, he gains ₹1,500. The total quantity of milk (in litres) he sells is:

Ans
✗ 1. 400
✗ 2. 150
✔ 3. 350
✗ 4. 200

Question ID : 75189713429
Option 1 ID : 75189753716
Option 2 ID : 75189753714
Option 3 ID : 75189753713
Option 4 ID : 75189753715
Status : **Answered**
Chosen Option : **3**

Q.91 The given pie chart shows the percentage of earnings in different families. Study the chart and answer the question.
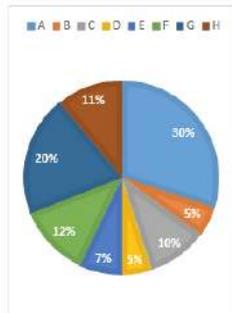
What is the central angle for the total earnings of families A, C, D, F, G and H?

Ans
✗ 1. 302.9°
✗ 2. 310.7°
✗ 3. 234.8°
✔ 4. 316.8°

Question ID : 75189715207
Option 1 ID : 75189760828
Option 2 ID : 75189760827
Option 3 ID : 75189760825
Option 4 ID : 75189760826
Status : **Answered**
Chosen Option : **4**

Q.92 The filament of an electric bulb is made up of which of the given materials?

Ans ✗ 1. Nichrome

✗ 2. Gold

✔ 3. Tungsten

✗ 4. Copper

Question ID : **75189713826**
Option 1 ID : **75189755303**
Option 2 ID : **75189755302**
Option 3 ID : **75189755304**
Option 4 ID : **75189755301**
Status : **Answered**
Chosen Option : **3**

Q.93 A quadratic equation whose roots are m and n, is:

Ans ✗ 1. $x^2 - (m + n)x - mn = 0$

✗ 2. $x^2 + (m + n)x + mn = 0$

✗ 3. $x^2 - (m - n)x + mn = 0$

✔ 4. $x^2 - (m + n)x + mn = 0$

Question ID : **75189713379**
Option 1 ID : **75189753515**
Option 2 ID : **75189753516**
Option 3 ID : **75189753513**
Option 4 ID : **75189753514**
Status : **Answered**
Chosen Option : **4**

Q.94

Which of the following festivals is also known as 'peerla panduga'?

Ans ✗ 1. Bakrid

✗ 2. Lailat al-Qadr

✔ 3. Muharam

✗ 4. Ramadan

Question ID : **7518973836**
Option 1 ID : **75189715342**
Option 2 ID : **75189715341**
Option 3 ID : **75189715344**
Option 4 ID : **75189715343**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.95 The sum of the ages of 4 boys born at intervals of 5 years each is 42 years. What is the age of the youngest boy?

Ans
- ✗ 1. 4 years
- ✗ 2. 5 years
- ✗ 3. 6 years
- ✓ 4. 3 years

Q.96 Raja is the father of Vikram. Raja is now 13 times as old as Vikram. After 10 years, Raja's then age will be 3 times the then age of Vikram Find the present age (in years) of Vikram.

Ans
- ✓ 1. 2
- ✗ 2. 4
- ✗ 3. 3
- ✗ 4. 1

Q.97 The lengths of two sides of a triangle are 24 cm and 26 cm. Which of the following can be the measure of the third side?

Ans
- ✓ 1. 48 cm
- ✗ 2. 55 cm
- ✗ 3. 52 cm
- ✗ 4. 54 cm

Q.98 Q, R, S, T, U and V are six family members sitting around a circular table, facing the centre in a restaurant. U is seated to the immediate left of S. V is seated third to the left of Q and is the immediate neighbour of U. R is seated second to the right of S. Who is seated second to the left of U?

Ans
- ✓ 1. T
- ✗ 2. Q
- ✗ 3. R
- ✗ 4. V

Question ID : 75189714583
Option 1 ID : 75189758331
Option 2 ID : 75189758329
Option 3 ID : 75189758330
Option 4 ID : 75189758332
Status : **Answered**
Chosen Option : **1**

Q.99 Archit starts from Point A and drives 6 km towards the east. He then takes a left turn, drives 24 km, turns right and drives 8 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 14 km and stops at Point B. How far and towards which direction should he drive in order to reach Point A from Point B? (All turns are 90 degree turns only)

Ans
- ✗ 1. 12 km towards the north
- ✗ 2. 16 km towards the south
- ✓ 3. 12 km towards the south
- ✗ 4. 14 km towards the east

Question ID : 75189715389
Option 1 ID : 75189761554
Option 2 ID : 75189761555
Option 3 ID : 75189761556
Option 4 ID : 75189761553
Status : **Answered**
Chosen Option : **1**

Q.100 Seven people - A, C, G, K, M, R and V are sitting in a straight line facing North. As many people sit to the left of A as to the right of A. C sits second to the right of A. Only three people sit between C and G. K is not an immediate neighbour of G. M sits second to the right of K. R does not sit at any of the extreme ends of the line. How many people sit between V and R?

Ans
- ✗ 1. Three
- ✓ 2. One
- ✗ 3. Two
- ✗ 4. More than three

Question ID : 75189715227
Option 1 ID : 75189760906
Option 2 ID : 75189760908
Option 3 ID : 75189760907
Option 4 ID : 75189760905
Status : **Answered**
Chosen Option : **2**