Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Harida
Test Date	28/09/2022
Test Time	9:00 AM - 10:30 AM
Subject	Level 1

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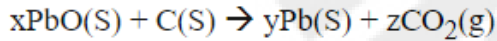**Correct Answer will carry 1 mark per Question.**
Incorrect Answer will carry 1/3 Negative mark per Question.

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 What is the value of x, y and z in the following chemical equation?

$$xPbO(S) + C(S) \rightarrow yPb(S) + zCO_2(g)$$

Ans ✓ 1. x = 2, y = 2, z = 1

✗ 2. x = 2, y = 1, z = 1

✗ 3. x = 2, y = 1, z = 2

✗ 4. x = 1, y = 1, z = 2

Question ID : **75189713959**
Option 1 ID : **75189755834**
Option 2 ID : **75189755833**
Option 3 ID : **75189755835**
Option 4 ID : **75189755836**
Status : **Answered**
Chosen Option : **1**

Q.2 Rahul drives 80 km towards the north, and then he turns towards the west and drives 100 km. After that, he turns south and drives 80 km, and in the end, he turns east and drives 120 km. How far is the end point from the initial point?

Ans ✗ 1. 140 km

✗ 2. 50 km

✓ 3. 20 km

✗ 4. 80 km

Question ID : **75189713224**
Option 1 ID : **75189752895**
Option 2 ID : **75189752894**
Option 3 ID : **75189752896**
Option 4 ID : **75189752893**
Status : **Answered**
Chosen Option : **3**

Q.3 Respiration reaction in humans is an example of _____.

Ans
- ✗ 1. displacement reaction
- ✗ 2. endothermic reaction
- ✗ 3. redox reaction
- ✓ 4. exothermic reaction

Q.4 India's Jhulan Goswami was in the news on 16 March 2022 for becoming the highest wicket taker in Women's ODIs by claiming 250 wickets. Against which team did she achieve this feat?

Ans
- ✓ 1. England
- ✗ 2. South Africa
- ✗ 3. Australia
- ✗ 4. New Zealand

Q.5 To celebrate Azadi Ka Amrit Mahotsav (75 years of India's Independence), to which school did the Government of India donate 50 computers?

Ans
- ✓ 1. Lycee Moderne Ampefiloha, Madagascar
- ✗ 2. The European School Copenhagen
- ✗ 3. Ermysted's Grammar School, Skipton
- ✗ 4. Tokyo Metropolitan Asuka High School

Q.6 The sum of two consecutive even numbers is 842. What is the smaller number?

Ans
- ✗ 1. 423
- ✔ 2. 420
- ✗ 3. 421
- ✗ 4. 422

Question ID : **75189712066**
Option 1 ID : **75189748264**
Option 2 ID : **75189748263**
Option 3 ID : **75189748261**
Option 4 ID : **75189748262**
Status : **Answered**
Chosen Option : **2**

Q.7 At what pH level does tooth decay start?

Ans
- ✔ 1. pH below 5.5
- ✗ 2. pH 6
- ✗ 3. pH 7
- ✗ 4. pH above 7

Question ID : **75189715027**
Option 1 ID : **75189760106**
Option 2 ID : **75189760108**
Option 3 ID : **75189760105**
Option 4 ID : **75189760107**
Status : **Answered**
Chosen Option : **1**

Q.8 A cistern has a hole in the bottom through which the water is leaking. A tap can fill the cistern in 3 hours and the hole in the bottom can empty the fully filled cistern in 5 hours. If both the tap and the hole are open, then what will be the time taken to completely fill the empty cistern?

Ans
- ✗ 1. 6.5 hours
- ✗ 2. 7 hours
- ✔ 3. 7.5 hours
- ✗ 4. 8.5 hours

Question ID : **75189713335**
Option 1 ID : **75189753340**
Option 2 ID : **75189753338**
Option 3 ID : **75189753337**
Option 4 ID : **75189753339**
Status : **Answered**
Chosen Option : **3**

Q.9 In which year was the Steel Authority of India Ltd incorporated?

Ans ✔ 1. 1973

✘ 2. 1981

✘ 3. 1956

✘ 4. 1963

Question ID : **75189712489**
Option 1 ID : **75189749955**
Option 2 ID : **75189749956**
Option 3 ID : **75189749953**
Option 4 ID : **75189749954**
Status : **Answered**
Chosen Option : **2**

Q.10 Which among the following is not a change noticed among children who entered teenage (boys and girls)?

Ans ✔ 1. Hair growth is seen in all parts of the body

✘ 2. Hair growth in some parts of the body

✘ 3. Some develop pimples

✘ 4. Skin in many becomes oily

Question ID : **75189712290**
Option 1 ID : **75189749159**
Option 2 ID : **75189749157**
Option 3 ID : **75189749160**
Option 4 ID : **75189749158**
Status : **Answered**
Chosen Option : **1**

Q.11 In which year was Lakhimi Baruah awarded the Padma Shri for social work?

Ans ✔ 1. 2021

✘ 2. 2020

✘ 3. 2017

✘ 4. 2018

Question ID : **75189712455**
Option 1 ID : **75189749817**
Option 2 ID : **75189749818**
Option 3 ID : **75189749820**
Option 4 ID : **75189749819**
Status : **Answered**
Chosen Option : **1**

Q.12 The following is a cumulative frequency distribution (less than type) of 900 persons, each of age 30 years and above. What is the modal age (in years) (correct to one decimal place)?

Age below (in years)	40	50	60	70	80
Number of persons	120	250	650	850	900

Ans ✗ 1. 54.5

✗ 2. 55.2

✔ 3. 55.7

✗ 4. 54.8

Question ID : **75189712639**
Option 1 ID : **75189750553**
Option 2 ID : **75189750555**
Option 3 ID : **75189750556**
Option 4 ID : **75189750554**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.13 Three resistors, each of resistance 2 Ω, 3 Ω and 5 Ω, are connected in series to a battery of voltage V. If the current through the 2 Ω resistor is 4 A, then V is _____.

Ans ✔ 1. 40 V

✗ 2. 60 V

✗ 3. 80 V

✗ 4. 20 V

Question ID : **75189714107**
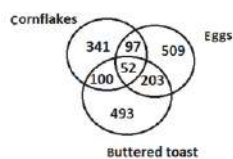Option 1 ID : **75189756426**
Option 2 ID : **75189756427**
Option 3 ID : **75189756428**
Option 4 ID : **75189756425**
Status : **Answered**
Chosen Option : **1**

Q.14 Study the given Venn diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons who consume a certain type of breakfast.

How many such persons are there, who consume both cornflakes and buttered toast?

Ans ✗ 1. 341

✔ 2. 152

✗ 3. 100

✗ 4. 52

Question ID : **75189714969**
Option 1 ID : **75189759873**
Option 2 ID : **75189759876**
Option 3 ID : **75189759875**
Option 4 ID : **75189759874**
Status : **Answered**
Chosen Option : **2**

Q.15 Simplify the given expression.

$$x^2 + 3x + 12 - 2(x^3 - x + 4)$$

Ans   ✗ 1. $4 + 5x - x^2 - 2x^3$

      ✗ 2. $4 + 5x + x^2 + 2x^3$

      ✗ 3. $4 - 5x + x^2 - 2x^3$

      ✔ 4. $4 + 5x + x^2 - 2x^3$

Q.16 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

12 : 20 :: 30 : ? :: 56 : 72

Ans   ✔ 1.   42

      ✗ 2.   45

      ✗ 3.   41

      ✗ 4.   44

Q.17 Study the given table and answer the following question.

	Distance travelled (in km) by	
	Train A	Train B
Day 1	362	480
Day 2	282	596
Day 3	421	640

What was the average of the distance travelled (in km) by Train A on the given three days?

Ans ✗ 1. 345

✗ 2. 356

✗ 3. 336

✔ 4. 355

Question ID : 75189712745
Option 1 ID : 75189750978
Option 2 ID : 75189750979
Option 3 ID : 75189750977
Option 4 ID : 75189750980
Status : Answered
Chosen Option : 4

Q.18 Which of the following statements is correct about striated muscles?

Ans ✗ 1.
Cells are long, cylindrical, non-tapering and are unbranched

✔ 2. Prominent light and dark bands are present

✗ 3. Cells are long with tapering ends and are unbranched

✗ 4.
Cells are non-tapering and cylindrical in shape and are branched

Question ID : 75189712575
Option 1 ID : 75189750297
Option 2 ID : 75189750300
Option 3 ID : 75189750298
Option 4 ID : 75189750299
Status : Answered
Chosen Option : 3

Q.19 Where do mangroves flourish?

Ans
✗ 1. Hills
✗ 2. Marshes
✓ 3. Coastal areas
✗ 4. Deserts

Question ID : **75189712162**
Option 1 ID : **75189748646**
Option 2 ID : **75189748648**
Option 3 ID : **75189748645**
Option 4 ID : **75189748647**
Status : **Answered**
Chosen Option : **2**

Q.20 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, number 2 and so on till the topmost floor is numbered 6.

Only one person lives below E. A does not live on the topmost floor. Only three people live between A and C. C lives below A. D lives immediately above B. Who lives immediately above A ?

Ans
✗ 1. B
✗ 2. D
✗ 3. E
✓ 4. F

Question ID : **75189713157**
Option 1 ID : **75189752628**
Option 2 ID : **75189752626**
Option 3 ID : **75189752627**
Option 4 ID : **75189752625**
Status : **Answered**
Chosen Option : **4**

Q.21 Which of the following is a symptom of Beriberi?

Ans
✗ 1. Poor skin health and swollen belly
✗ 2. Weak teeth and bleeding gums
✗ 3. Poor vision or partial blindness
✓ 4. Weak muscles and low energy

Question ID : **75189710088**
Option 1 ID : **75189740351**
Option 2 ID : **75189740350**
Option 3 ID : **75189740349**
Option 4 ID : **75189740352**
Status : **Answered**
Chosen Option : **1**

Q.22 Express $1.\overline{2}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

Ans
✗ 1. $\frac{4}{3}$

✗ 2. $\frac{13}{9}$

✗ 3. $\frac{10}{9}$

✓ 4. $\frac{11}{9}$

Question ID : **75189712911**
Option 1 ID : **75189751643**
Option 2 ID : **75189751644**
Option 3 ID : **75189751641**
Option 4 ID : **75189751642**
Status : **Answered**
Chosen Option : **4**

Q.23 Extremely severe cyclonic storm 'Fani' hit Odisha in the year:

Ans
✗ 1. 2020

✗ 2. 2018

✓ 3. 2019

✗ 4. 2017

Question ID : **75189712502**
Option 1 ID : **75189750008**
Option 2 ID : **75189750006**
Option 3 ID : **75189750007**
Option 4 ID : **75189750005**
Status : **Not Answered**
Chosen Option : **--**

Q.24 'Kendriya Hindi Sansthan' has head office at which place as on July 2022?

Ans
✗ 1. Varanasi

✗ 2. Prayagraj

✗ 3. New Delhi

✓ 4. Agra

Question ID : **75189712366**
Option 1 ID : **75189749464**
Option 2 ID : **75189749463**
Option 3 ID : **75189749461**
Option 4 ID : **75189749462**
Status : **Answered**
Chosen Option : **2**

Q.25 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)
(24, 42)
(36, 63)

Ans
✔ 1. 52, 91

✘ 2. 40, 82

✘ 3. 48, 96

✘ 4. 36, 91

Question ID : **75189710932**
Option 1 ID : **75189743728**
Option 2 ID : **75189743727**
Option 3 ID : **75189743725**
Option 4 ID : **75189743726**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.26 Six friends, A, B, C, D, E, and F are sitting around a circular table facing the centre.
C is the immediate neighbour of A and E. F is second to the right of C and third to the left of A. If B is second to the left of C, where is D seated?

Ans
✘ 1. Fourth to the right of C

✘ 2. Third to the right of E

✔ 3. Second to the left of A

✘ 4. Second to the left of B

Question ID : **75189714892**
Option 1 ID : **75189759567**
Option 2 ID : **75189759568**
Option 3 ID : **75189759565**
Option 4 ID : **75189759566**
Status : **Answered**
Chosen Option : **3**

Q.27 A trader claims to sell rice at a profit of 25%, but also dishonestly uses a weight which is 15% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round the answer to the nearest whole number.)

Ans
✘ 1. 57%

✘ 2. 50%

✘ 3. 49%

✔ 4. 47%

Question ID : **75189713314**
Option 1 ID : **75189753253**
Option 2 ID : **75189753254**
Option 3 ID : **75189753255**
Option 4 ID : **75189753256**
Status : **Answered**
Chosen Option : **4**

Q.28 How many 6s are there in the following sequence each of which is NOT immediately preceded by 3 but immediately followed by 3?

8 6 3 6 4 8 6 8 1 8 6 3 6 5 4 8 6 2 4 3 6 8 6 9 8 8 6 4 6 9

Ans ✔ 1. Two

✘ 2. Four

✘ 3. Six

✘ 4. Five

Question ID : **75189713585**
Option 1 ID : **75189754339**
Option 2 ID : **75189754338**
Option 3 ID : **75189754340**
Option 4 ID : **75189754337**
Status : **Answered**
Chosen Option : **1**

Q.29 Why is HIV spread through sexual contact?

Ans ✘ 1. Blood is mixed during sexual contact

✔ 2. Viral particles are abundant in seminal fluids

✘ 3. The virus lives inside sperms

✘ 4. The virus is present in the skin of sex organs

Question ID : **75189712283**
Option 1 ID : **75189749132**
Option 2 ID : **75189749130**
Option 3 ID : **75189749129**
Option 4 ID : **75189749131**
Status : **Answered**
Chosen Option : **4**

Q.30 The position of how many letters will remain unchanged if each of the letters in the word 'NOTED' is arranged in alphabetical order?

Ans ✘ 1. Four

✘ 2. Three

✘ 3. Five

✔ 4. None

Question ID : **75189711527**
Option 1 ID : **75189746107**
Option 2 ID : **75189746106**
Option 3 ID : **75189746108**
Option 4 ID : **75189746105**
Status : **Answered**
Chosen Option : **4**

Q.31 The power of Parliament to amend the Constitution of India is a constitutive power established in the:

Ans
- ✔ 1. Twenty-Fourth Amendment Act
- ✘ 2. Forty-Fourth Amendment Act
- ✘ 3. Forty-Second Amendment Act
- ✘ 4. Twenty-Sixth Amendment Act

Question ID : **75189712533**
Option 1 ID : **75189750129**
Option 2 ID : **75189750132**
Option 3 ID : **75189750131**
Option 4 ID : **75189750130**
Status : **Answered**
Chosen Option : **3**

Q.32 Which of the following numbers will replace the question mark (?) in the given series?

8   ?   4   6   12   30

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

Question ID : **75189712707**
Option 1 ID : **75189750827**
Option 2 ID : **75189750828**
Option 3 ID : **75189750825**
Option 4 ID : **75189750826**
Status : **Answered**
Chosen Option : **1**

Q.33 Raju's sister is 6 years older than Raju. If his sister's age is 38 years, then find Raju's age?

Ans
- ✘ 1. 23 *years*
- ✔ 2. 32 *years*
- ✘ 3. 28 *years*
- ✘ 4. 30 *years*

Question ID : **75189713002**
Option 1 ID : **75189752006**
Option 2 ID : **75189752007**
Option 3 ID : **75189752005**
Option 4 ID : **75189752008**
Status : **Answered**
Chosen Option : **2**

Q.34 Which Article of the Constitution of India lays down that the State shall take steps to organise village panchayats and endow them with such powers and authority as may be necessary to enable them to function as units of self-government?

Ans ✗ 1. Article 44

✗ 2. Article 41

✗ 3. Article 42

✓ 4. Article 40

Question ID : **75189714074**
Option 1 ID : **75189756296**
Option 2 ID : **75189756294**
Option 3 ID : **75189756295**
Option 4 ID : **75189756293**
Status : **Answered**
Chosen Option : **4**

Q.35 Select the term from among the given options that can replace the question mark (?) in the following alpha-numeric series to make it logically complete.

O5U, L7S, I10Q, F14O, ?

Ans ✗ 1. D19N

✗ 2. D20N

✓ 3. C19M

✗ 4. C20N

Question ID : **7518978981**
Option 1 ID : **75189735921**
Option 2 ID : **75189735922**
Option 3 ID : **75189735924**
Option 4 ID : **75189735923**
Status : **Answered**
Chosen Option : **3**

Q.36 If p and q are the roots of $x^2 + 4x - 21 = 0$ and $p < q$, then the quadratic equation in x whose roots are $(p-1)$ and $(q+1)$ is:

Ans ✗ 1. $x^2 + 6x + 16 = 0$

✗ 2. $x^2 + 6x - 16 = 0$

✓ 3. $x^2 + 4x - 32 = 0$

✗ 4. $x^2 + 4x + 32 = 0$

Question ID : **75189712845**
Option 1 ID : **75189751379**
Option 2 ID : **75189751380**
Option 3 ID : **75189751378**
Option 4 ID : **75189751377**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.37 In the given letter-cluster pairs, the first letter-cluster is related to the second letter-cluster following a certain logic. Study the given pairs carefully, and from the given options, select the pair that follows the same logic.

YVQ : TQL
WKG : RFB

Ans
✔ 1. SIY : NDT

✘ 2. DUR : APM

✘ 3. FHL : CIU

✘ 4. QHK : JSP

Question ID : **75189714931**
Option 1 ID : **75189759723**
Option 2 ID : **75189759722**
Option 3 ID : **75189759724**
Option 4 ID : **75189759721**
Status : **Answered**
Chosen Option : **1**

Q.38 If the forefinger indicates the direction of magnetic field and the thumb shows the direction of motion of a conductor, then the middle finger will show the direction of induced current, when the thumb, forefinger and middle finger are stretched perpendicular to each other. This is called _____.

Ans
✘ 1. right hand thumb rule

✘ 2. Fleming's left hand rule

✘ 3. cork screw rule

✔ 4. Fleming's right hand rule

Question ID : **75189713901**
Option 1 ID : **75189755603**
Option 2 ID : **75189755601**
Option 3 ID : **75189755604**
Option 4 ID : **75189755602**
Status : **Answered**
Chosen Option : **1**

Q.39 If each of the digits in the number 25731640 is arranged in descending order, the position of how many digits will remain unchanged as compared to that in the original number?

Ans
✘ 1. None

✔ 2. One

✘ 3. Two

✘ 4. Three

Question ID : **75189713718**
Option 1 ID : **75189754870**
Option 2 ID : **75189754869**
Option 3 ID : **75189754872**
Option 4 ID : **75189754871**
Status : **Answered**
Chosen Option : **2**

Q.40 Which of the following minerals help crops withstand pests?

Ans
  ✗ 1. Calcium, Potassium and Sodium

  ✗ 2. Sodium, Calcium and Magnesium

  ✔ 3. Potassium, Calcium and Magnesium

  ✗ 4. Magnesium, Iron and Boron

Question ID : 7518974328
Option 1 ID : 75189717311
Option 2 ID : 75189717310
Option 3 ID : 75189717309
Option 4 ID : 75189717312
Status : Answered
Chosen Option : 1

Q.41 Indira point is located in the southern part of which of the following islands?

Ans
  ✗ 1. Car Nicobar island

  ✗ 2. Little Andaman island

  ✗ 3. Middle Andaman island

  ✔ 4. Great Nicobar island

Question ID : 75189710472
Option 1 ID : 75189741887
Option 2 ID : 75189741885
Option 3 ID : 75189741888
Option 4 ID : 75189741886
Status : Answered
Chosen Option : 4

Q.42 The height of a right circular cylinder is 23 cm and circumference of its base is 77 cm. What is its curved surface area?

Ans
  ✗ 1. 2014 cm^2

  ✔ 2. 1771 cm^2

  ✗ 3. 1979 cm^2

  ✗ 4. 1823 cm^2

Question ID : 75189712865
Option 1 ID : 75189751460
Option 2 ID : 75189751457
Option 3 ID : 75189751459
Option 4 ID : 75189751458
Status : Answered
Chosen Option : 2

Q.43 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 cheese are custards.

2. All milk are cheese.

3. Some curds are cheese.

Conclusions:

I-All cheese are milk.

II-Some custards are cheese.

Ans ✗ 1. Neither conclusion I nor II follows.

✔ 2. Only conclusion II follows.

✗ 3. Both conclusions I and II follow.

✗ 4. Only conclusion I follows.

Question ID : **75189714188**
Option 1 ID : **75189756752**
Option 2 ID : **75189756750**
Option 3 ID : **75189756751**
Option 4 ID : **75189756749**
Status : **Answered**
Chosen Option : **2**

Q.44 Festival lights in buildings are an example of _____.

Ans ✔ 1. a series circuit

✗ 2. electromagnetic induction

✗ 3. magnetic effect

✗ 4. a parallel circuit

Question ID : **75189713816**
Option 1 ID : **75189755261**
Option 2 ID : **75189755262**
Option 3 ID : **75189755264**
Option 4 ID : **75189755263**
Status : **Answered**
Chosen Option : **2**

Q.45 On selling an article X at a loss of 10% and an article Y at a gain of 15%, a man gains ₹7. If he had sold article X at a gain of 12% and article Y at a gain of 5%, he would have gained ₹10. What is the total original cost price (in ₹) of X and Y?

Ans ✗ 1. 125

✗ 2. 120

✗ 3. 140

✔ 4. 130

Question ID : **75189712645**
Option 1 ID : **75189750578**
Option 2 ID : **75189750577**
Option 3 ID : **75189750580**
Option 4 ID : **75189750579**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.46 In macroeconomic analysis, the ratio of the total increment in equilibrium value of final goods output to the initial increment in autonomous expenditure is called the _____ of the economy.

Ans ✗ 1. consumption multiplier

✗ 2. income multiplier

✓ 3. investment multiplier

✗ 4. savings multiplier

Q.47 What is the primary reason that river Ganga is called an endangered river?

Ans ✗ 1. The water is not potable

✓ 2. Aquatic life is diminishing

✗ 3. There are too many dams on it

✗ 4. The river is drying up

Q.48 If in a parallelogram ABCD, E and F are points on the diagonal AC such that $\overline{AE} = \overline{FC}$, then quadrilateral BEDF is a:

Ans ✗ 1. trapezium, but not a parallelogram

✗ 2. rectangle

✗ 3. square

✓ 4. parallelogram

Q.49 Which of the following elements is a metal?

Ans ✗ 1. Si

✗ 2. B

✗ 3. C

✓ 4. Fe

Question ID : **7518979687**
Option 1 ID : **75189738748**
Option 2 ID : **75189738745**
Option 3 ID : **75189738746**
Option 4 ID : **75189738747**
Status : **Answered**
Chosen Option : **4**

Q.50 Read the given statement(s) and conclusions carefully and decide which of the conclusions logically follow(s) on basis of the statement(s).

Statements: $B < D, C = E, F > D, E < G, K = G, C < F$

Conclusions:

1. $G > C$

2. $G < C$

Ans ✓ 1. Only conclusion 1 follows.

✗ 2. Both conclusions 1 and 2 follow.

✗ 3. Neither conclusion 1 nor 2 follows.

✗ 4. Only conclusion 2 follows.

Question ID : **75189713089**
Option 1 ID : **75189752353**
Option 2 ID : **75189752355**
Option 3 ID : **75189752356**
Option 4 ID : **75189752354**
Status : **Answered**
Chosen Option : **1**

Q.51 Law of Octaves became irrelevant after the discovery of:

Ans ✗ 1. isotopes

✗ 2. fullerene

✗ 3. radioactivity

✓ 4. noble gases

Question ID : **7518979678**
Option 1 ID : **75189738712**
Option 2 ID : **75189738711**
Option 3 ID : **75189738709**
Option 4 ID : **75189738710**
Status : **Answered**
Chosen Option : **1**

Q.52 A person 1.75 m tall casts a 2 m shadow. At the same instance, a lamp-post casts a shadow of 6.4 m. The height of the lamp-post is:

Ans ✔ 1. 5.6 m

✘ 2. 5.9 m

✘ 3. 5.7 m

✘ 4. 5.8 m

Question ID : **75189712878**
Option 1 ID : **75189751509**
Option 2 ID : **75189751512**
Option 3 ID : **75189751510**
Option 4 ID : **75189751511**
Status : **Answered**
Chosen Option : **1**

Q.53 If three metallic spheres of radii 3 cm, 4 cm and 5 cm respectively are melted to form a single sphere, then what will be the volume of the new sphere? [Use $\pi = \frac{22}{7}$]

Ans ✔ 1. $905\frac{1}{7}$ cm^3

✘ 2. $675\frac{3}{7}$ cm^3

✘ 3. $825\frac{2}{7}$ cm^3

✘ 4. $345\frac{5}{7}$ cm^3

Question ID : **75189712860**
Option 1 ID : **75189751437**
Option 2 ID : **75189751439**
Option 3 ID : **75189751438**
Option 4 ID : **75189751440**
Status : **Answered**
Chosen Option : **1**

Q.54 A, B, C, D, E and F are sitting around a circular table facing the centre. B is sitting third to the right of F. F is an immediate neighbour of both C and A. C sits second to the right of B. D is not the immediate neighbour of C. Who is sitting to the immediate left of E?

Ans ✘ 1. C

✘ 2. A

✔ 3. B

✘ 4. D

Question ID : **75189714452**
Option 1 ID : **75189757806**
Option 2 ID : **75189757807**
Option 3 ID : **75189757808**
Option 4 ID : **75189757805**
Status : **Answered**
Chosen Option : **3**

Q.55 100 eggs were purchased for ₹100. 12 eggs broke in transit. The trader sold the remaining eggs at ₹1.20 per egg. Find his profit.

Ans
✗ 1. ₹7.60

✔ 2. ₹5.60

✗ 3. ₹17.60

✗ 4. ₹15.60

Question ID : 75189712966
Option 1 ID : 75189751861
Option 2 ID : 75189751864
Option 3 ID : 75189751862
Option 4 ID : 75189751863
Status : **Answered**
Chosen Option : **2**

Q.56 Find the median of the below data.

2, 6, 5, 2,4, 9, 6, 2, 6, 4, 10, 12, 6, 3, 4, 9

Ans
✗ 1. 4.5

✗ 2. 5

✔ 3. 5.5

✗ 4. 6

Question ID : 75189713348
Option 1 ID : 75189753389
Option 2 ID : 75189753391
Option 3 ID : 75189753392
Option 4 ID : 75189753390
Status : **Answered**
Chosen Option : **3**

Q.57 The phenomena behind the working of an electric oven is _____.

Ans
✗ 1. induced voltage

✗ 2. induced current

✗ 3. electromagnetic induction

✔ 4. Joule's heating effect

Question ID : 75189713817
Option 1 ID : 75189755268
Option 2 ID : 75189755267
Option 3 ID : 75189755266
Option 4 ID : 75189755265
Status : **Answered**
Chosen Option : **4**

Q.58 This question consists of a statement followed by two arguments I and II. Read the statement and the arguments carefully and select the appropriate answer from the given options.

Statement – Prices of tomatoes in Kerala will rise sharply as many trucks carrying them from other states have been stopped at the border

  I.   Tomatoes are mostly brought to Kerala from outside.

  II.   The quantity of tomatoes grown in Kerala is not enough to meet the demand in the state.

Ans   ✗ 1. I weakens while II strengthens the statement

   ✗ 2. II weakens while I strengthens the statement

   ✔ 3. Both I and II strengthen the statement

   ✗ 4. Both I and II weaken the statement

Question ID : **75189713169**
Option 1 ID : **75189752673**
Option 2 ID : **75189752674**
Option 3 ID : **75189752676**
Option 4 ID : **75189752675**
Status : **Answered**
Chosen Option : **3**

Q.59 Azim borrowed a certain sum which amounted to ₹19,800 in 36 months at 12.5% per annum simple interest. What is the borrowed sum?

Ans   ✔ 1. ₹14,400

   ✗ 2. ₹13,600

   ✗ 3. ₹9,600

   ✗ 4. ₹12,800

Question ID : **75189713424**
Option 1 ID : **75189753694**
Option 2 ID : **75189753695**
Option 3 ID : **75189753696**
Option 4 ID : **75189753693**
Status : **Answered**
Chosen Option : **1**

Q.60 In a certain code language, 'SMART' is written as 'VKDPW' and 'FRAUD' is written as 'IPDSG'. How will 'PURGE' be written in that language?

Ans   ✗ 1. QTSFF

   ✗ 2. RWTIG

   ✗ 3. RSTEG

   ✔ 4. SSUEH

Question ID : **75189714483**
Option 1 ID : **75189757930**
Option 2 ID : **75189757931**
Option 3 ID : **75189757932**
Option 4 ID : **75189757929**
Status : **Answered**
Chosen Option : **4**

Q.61 Which part of the Constitution of India deals with rights of citizenship of certain persons who have migrated to India from Pakistan?

Ans
  ✗ 1. PART IV

  ✓ 2. PART II

  ✗ 3. PART III

  ✗ 4. PART I

Question ID : **75189712512**
Option 1 ID : **75189750048**
Option 2 ID : **75189750046**
Option 3 ID : **75189750047**
Option 4 ID : **75189750045**
Status : **Answered**
Chosen Option : **2**

Q.62 A certain number of people are sitting in a row, facing north. No one is sitting to the right of E. Only two people are sitting to the left of B. D is sitting third to the right of B. Only four people are seated between B and F. Only eight people are seated between D and C. E is seated second to the right of C. If no other person is sitting in the row, what is the total number of persons seated?

Ans
  ✓ 1. 17

  ✗ 2. 22

  ✗ 3. 21

  ✗ 4. 16

Question ID : **75189713492**
Option 1 ID : **75189753967**
Option 2 ID : **75189753966**
Option 3 ID : **75189753968**
Option 4 ID : **75189753965**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.63 In this question, a group of numbers/symbols is coded using letters as per the table given below and the conditions which follow. The correct combination of codes following the condition is your answer.

Number/Symbol	/	#	9	7	@	%	>	2	!	?	6	4	<	=
Code	D	F	T	J	N	G	E	X	V	W	K	U	P	Z

Conditions:

(i)   If the first element is a number and the last a symbol, the codes for these two are to be interchanged.

(ii)   If the first element is an odd number and the last an even number, the first and the last elements are to be coded as Ø.

(iii)   If both the second and third elements are perfect squares, the third element is to be coded as the code for the second element.

How will '< 9 4 # 2' be coded?

Ans   ✗ 1. P T U F X

    ✗ 2. P T P F V

    ✗ 3. P U U F X

    ✔ 4. P T T F X

Question ID : 7518977683
Option 1 ID : 75189730729
Option 2 ID : 75189730732
Option 3 ID : 75189730730
Option 4 ID : 75189730731
Status : **Answered**
Chosen Option : **4**

Q.64 Select the option that is related to the fifth number in the same way as the second number is related to the first number, the fourth number is related to the third number.

48 : 5 :: 96 : 7 :: 6 :?

Ans   ✗ 1. 36

    ✗ 2. 10

    ✗ 3. 4

    ✔ 4. 2

Question ID : 75189713234
Option 1 ID : 75189752933
Option 2 ID : 75189752935
Option 3 ID : 75189752936
Option 4 ID : 75189752934
Status : **Answered**
Chosen Option : **4**

Q.65 If a an b are the roots of the equation $x^2 - 5x - 6 = 0$, then the value of $(a - b)^2$ is:

Ans   ✗ 1. 24

    ✔ 2. 49

    ✗ 3. 18

    ✗ 4. 25

Question ID : 75189712851
Option 1 ID : 75189751403
Option 2 ID : 75189751402
Option 3 ID : 75189751404
Option 4 ID : 75189751401
Status : **Answered**
Chosen Option : **2**

Q.66 Two trains of equal length are running on parallel lines in the same direction at speeds of 36 km/h and 26 km/h. The faster train passes the slower train in 18 seconds. The length of each train is:

Ans
✗ 1. 50 metres
✔ 2. 25 metres
✗ 3. 75 metres
✗ 4. 70 metres

Question ID : **75189712977**
Option 1 ID : **75189751907**
Option 2 ID : **75189751908**
Option 3 ID : **75189751905**
Option 4 ID : **75189751906**
Status : **Answered**
Chosen Option : **2**

Q.67 When a number is divided by 15, it leaves a remainder of 3. If the same number is divided by 17, the remainder is 11. Which of the options below gives such a number?

Ans
✔ 1. 198
✗ 2. 185
✗ 3. 190
✗ 4. 183

Question ID : **75189712917**
Option 1 ID : **75189751668**
Option 2 ID : **75189751666**
Option 3 ID : **75189751667**
Option 4 ID : **75189751665**
Status : **Answered**
Chosen Option : **1**

Q.68 Simplify the following.

$$0.\overline{1} + 0.\overline{5}$$

Ans
✗ 1. $\dfrac{4}{9}$

✗ 2. $\dfrac{1}{90}$

✗ 3. $\dfrac{1}{9}$

✔ 4. $\dfrac{2}{3}$

Question ID : **75189713266**
Option 1 ID : **75189753063**
Option 2 ID : **75189753061**
Option 3 ID : **75189753064**
Option 4 ID : **75189753062**
Status : **Answered**
Chosen Option : **4**

Q.69 Which of the following allotropes of carbon is a good conductor of electricity?

Ans ✗ 1. Charcoal

✗ 2. Fullerene

✔ 3. Graphite

✗ 4. Diamond

Question ID : **75189714648**
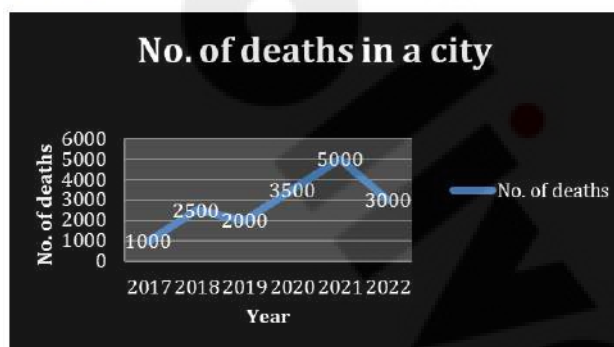Option 1 ID : **75189758591**
Option 2 ID : **75189758589**
Option 3 ID : **75189758590**
Option 4 ID : **75189758592**
Status : **Answered**
Chosen Option : **3**

Q.70 The given line graph shows the number of deaths in a city from the year 2017 to 2022. Study the graph and answer the question that follows.

What is the approximate percentage decrease in deaths from 2021 to 2022 and increase in deaths from 2020 to 2021, respectively?

Ans ✗ 1. 32.93% and 30%

✔ 2. 40% and 42.83%

✗ 3. 42.83% and 40%

✗ 4. 30% and 32.93%

Question ID : **75189713725**
Option 1 ID : **75189754900**
Option 2 ID : **75189754898**
Option 3 ID : **75189754899**
Option 4 ID : **75189754897**
Status : **Answered**
Chosen Option : **2**

Q.71 Which of the following is an example of a combination reaction between two compounds to form new compound?

Ans ✔ 1. Formation of calcium hydroxide

✗ 2. Formation of carbon dioxide

✗ 3. Formation of ammonia

✗ 4. Formation of water

Question ID : **75189715082**
Option 1 ID : **75189760328**
Option 2 ID : **75189760327**
Option 3 ID : **75189760325**
Option 4 ID : **75189760326**
Status : **Answered**
Chosen Option : **4**

Q.72 A normal adult human being produces _____ mL per day of urine daily.

Ans
✗ 1. 100 − 200
✗ 2. 10000 − 20000
✗ 3. 10 − 20
✔ 4. 1000 − 2000

Q.73 Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow(s) from the given statements.

Statements:
Some pliers are levers
All levers are ramps
Some cutters are pliers.

Conclusions:
(I) Some cutters are levers
(II) Some ramps are cutters
(III) All pliers are ramps

Ans
✗ 1. Either conclusion I or III follows
✗ 2. Only conclusion II follows
✗ 3. Only conclusion I follows
✔ 4. None of the conclusions follow

Q.74 A curve that joins all points representing bundles which are considered indifferent by the consumer is called a/an

_____.

Ans
✔ 1. indifference curve
✗ 2. utility curve
✗ 3. consumer curve
✗ 4. marginal curve

Q.75 Which of the following is a private sector bank in India?

Ans ✗ 1. Bank of Baroda

✗ 2. UCO Bank

✗ 3. Punjab National Bank

✓ 4. Federal Bank

Question ID : **75189712479**
Option 1 ID : **75189749916**
Option 2 ID : **75189749914**
Option 3 ID : **75189749915**
Option 4 ID : **75189749913**
Status : **Answered**
Chosen Option : **2**

Q.76 The thick white and yellowish clouds of the planet Venus are made up of which of the following acids?

Ans ✓ 1. Sulphuric acid

✗ 2. Nitric acid

✗ 3. Hydrochloric acid

✗ 4. Acetic acid

Question ID : **75189712795**
Option 1 ID : **75189751180**
Option 2 ID : **75189751179**
Option 3 ID : **75189751178**
Option 4 ID : **75189751177**
Status : **Answered**
Chosen Option : **3**

Q.77 In the evening, a person was standing such that his shadow was to his left. In which direction was he facing?

Ans ✗ 1. West

✓ 2. South

✗ 3. North

✗ 4. East

Question ID : **75189713220**
Option 1 ID : **75189752878**
Option 2 ID : **75189752880**
Option 3 ID : **75189752879**
Option 4 ID : **75189752877**
Status : **Answered**
Chosen Option : **2**

Q.78 A concave mirror forms a real image of three times the size of an object on a screen. The object and screen are then moved until the image is six times the size of the object. If the shift of the screen is 39 cm, then the focal length of the mirror is:

Ans
- ✗ 1. 26 cm
- ✗ 2. 10 cm
- ✔ 3. 13 cm
- ✗ 4. 39 cm

Question ID : **75189712190**
Option 1 ID : **75189748759**
Option 2 ID : **75189748757**
Option 3 ID : **75189748758**
Option 4 ID : **75189748760**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.79 Which of the following is/are correct with respect to the reflection by spherical mirrors?

(a) A concave mirror will diverge the rays of light if the object is placed between the pole and the focus.

(b) A convex mirror can converge a beam of rays.

Ans
- ✔ 1. (a) is only correct
- ✗ 2. (b) is only correct
- ✗ 3. Both (a) and (b) are incorrect
- ✗ 4. (a) and (b) both are correct

Question ID : **75189714503**
Option 1 ID : **75189758009**
Option 2 ID : **75189758010**
Option 3 ID : **75189758012**
Option 4 ID : **75189758011**
Status : **Answered**
Chosen Option : **3**

Q.80 How many such pairs of letters are there in the word 'ADVERSE' (in both forward and backward directions) which have as many letters between them in the word as there are in the English alphabetical order?

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

Question ID : **7518977654**
Option 1 ID : **75189730616**
Option 2 ID : **75189730614**
Option 3 ID : **75189730615**
Option 4 ID : **75189730613**
Status : **Answered**
Chosen Option : **3**

Q.81 In which sports, Amit Panghal won a gold medal in Commonwealth Games 2022?

Ans ✗ 1. Wrestling

✗ 2. Judo

✗ 3. Athletics

✔ 4. Boxing

Question ID : **75189712564**
Option 1 ID : **75189750254**
Option 2 ID : **75189750253**
Option 3 ID : **75189750256**
Option 4 ID : **75189750255**
Status : **Not Answered**
Chosen Option : **--**

Q.82 Simplify the given expression.

$$\frac{\sqrt{2187} \times \sqrt{432}}{\sqrt{324}}$$

Ans ✗ 1. 48

✗ 2. 56

✗ 3. 42

✔ 4. 54

Question ID : **75189712595**
Option 1 ID : **75189750378**
Option 2 ID : **75189750380**
Option 3 ID : **75189750377**
Option 4 ID : **75189750379**
Status : **Answered**
Chosen Option : **4**

Q.83 In case of an alternating current, _____.

Ans ✗ 1. the direction of current changes but magnitude is constant

✔ 2.
the direction of current as well as magnitude changes with time

✗ 3.
the direction of current is same but the magnitude changes with time

✗ 4.
the direction of current as well as magnitude of current does not change with time

Question ID : **75189713893**
Option 1 ID : **75189755571**
Option 2 ID : **75189755570**
Option 3 ID : **75189755572**
Option 4 ID : **75189755569**
Status : **Not Answered**
Chosen Option : **--**

Q.84 If '+' means '×', '×' means '÷', '÷' means '−', and '−' means '+', then what will be the value of the given expression?

$93 - 91 \times 7 + 8 \div 3$

Ans   ✗ 1. 89

   ✔ 2. 194

   ✗ 3. 198

   ✗ 4. 201

Q.85 If a 12 V power supply supplies a power of 24 W to a bulb, then the power supplied would be when connected to a 6 V supply:

Ans   ✗ 1. 9W

   ✗ 2. 18W

   ✗ 3. 12W

   ✔ 4. 6W

Q.86 The teachings of Mahavira and his followers were written down about 1500 years ago in the form in which they are presently available at which place?

Ans   ✗ 1. Pawapuri in Bihar

   ✔ 2. Valabhi in Gujarat

   ✗ 3. Lachhuar in Bihar

   ✗ 4. Vaishali in Bihar

Q.87 If α is an acute angle and $\tan^2 \alpha - \sec \alpha = 19$, then the value of $\cos \alpha$ is:

Ans

✗ 1. $\dfrac{2}{3}$

✓ 2. $\dfrac{1}{5}$

✗ 3. $\dfrac{1}{4}$

✗ 4. $\dfrac{1}{2}$

Question ID : **75189712887**
Option 1 ID : **75189751545**
Option 2 ID : **75189751546**
Option 3 ID : **75189751547**
Option 4 ID : **75189751548**
Status : **Answered**
Chosen Option : **2**

Q.88 Five friends have their interview on different dates in the month February of a leap year. All have their interviews on even dates. There are exactly five days gap between each interview. On which date does the first person will have the interview, if none of them have their interview on 28th February?

Ans

✗ 1. 4th

✓ 2. 2nd

✗ 3. 6th

✗ 4. 8th

Question ID : **75189713595**
Option 1 ID : **75189754380**
Option 2 ID : **75189754379**
Option 3 ID : **75189754378**
Option 4 ID : **75189754377**
Status : **Answered**
Chosen Option : **2**

Q.89 Who among the following was one of the recipients of the Nobel Prize in Physics 2021?

Ans

✗ 1. David Julius

✗ 2. Dmitry Muratov

✓ 3. Syukuro Manabe

✗ 4. Maria Ressa

Question ID : **75189710515**
Option 1 ID : **75189742060**
Option 2 ID : **75189742057**
Option 3 ID : **75189742058**
Option 4 ID : **75189742059**
Status : **Answered**
Chosen Option : **1**

Q.90 In which city was Jawaharlal Nehru born?

Ans ✗ 1. Lucknow

✗ 2. Delhi

✔ 3. Allahabad

✗ 4. Srinagar

Question ID : **75189712123**
Option 1 ID : **75189748490**
Option 2 ID : **75189748489**
Option 3 ID : **75189748491**
Option 4 ID : **75189748492**
Status : **Not Answered**
Chosen Option : **--**

Q.91 Refer to the following number series and answer the question that follows.

(left) 3 7 9 2 1 5 3 9 2 6 5 8 7 9 1 3 5 9 4 6 (right)

Which is the eighth digit to the left of the twelfth digit from the left end of the series?

Ans ✗ 1. 5

✗ 2. 9

✗ 3. 1

✔ 4. 2

Question ID : **75189713935**
Option 1 ID : **75189755740**
Option 2 ID : **75189755738**
Option 3 ID : **75189755739**
Option 4 ID : **75189755737**
Status : **Answered**
Chosen Option : **4**

Q.92 A ray of light is travelling from medium A to medium B. The incident ray makes an angle 75° with respect to the normal, and the refracted ray makes an angle 40° with respect to the normal. The refractive index of the medium A relative to the medium B is:

Ans ✔ 1. 0.67

✗ 2. 1.34

✗ 3. 1.50

✗ 4. 0.87

Question ID : **75189711273**
Option 1 ID : **75189745090**
Option 2 ID : **75189745091**
Option 3 ID : **75189745089**
Option 4 ID : **75189745092**
Status : **Not Answered**
Chosen Option : **--**

Q.93 The simplest form of the ratio 722 : 1083 is:

Ans ✗ 1. 3 : 2

✗ 2. 3 : 5

✔ 3. 2 : 3

✗ 4. 1 : 3

Question ID : **75189713292**
Option 1 ID : **75189753165**
Option 2 ID : **75189753168**
Option 3 ID : **75189753166**
Option 4 ID : **75189753167**
Status : **Answered**
Chosen Option : **3**

Q.94 Which of the following numbers will replace the question mark (?) in the given number series?

35, 34, 36, 33, 37, ?

Ans ✔ 1. 32

✗ 2. 42

✗ 3. 34

✗ 4. 41

Question ID : **75189713641**
Option 1 ID : **75189754562**
Option 2 ID : **75189754564**
Option 3 ID : **75189754563**
Option 4 ID : **75189754561**
Status : **Answered**
Chosen Option : **1**

Q.95 What is the major aim of the INSPIRE Awards 'MANAK' being executed by the Department of Science and Technology, Government of India?

Ans ✗ 1. To motivate scientists for technological development

✗ 2. To motivate farmers who are doing commercial agriculture

✗ 3. To motivate scientists for space related research

✔ 4. To motivate students studying in classes 6 to 10

Question ID : **75189712441**
Option 1 ID : **75189749763**
Option 2 ID : **75189749761**
Option 3 ID : **75189749764**
Option 4 ID : **75189749762**
Status : **Not Answered**
Chosen Option : **--**

Q.96 The police of which of the following States developed an app called 'Disha' for women's safety in February 2020?

Ans
✔ 1. Andhra Pradesh
✘ 2. Uttarakhand
✘ 3. Goa
✘ 4. Punjab

Question ID : **75189715075**
Option 1 ID : **75189760300**
Option 2 ID : **75189760299**
Option 3 ID : **75189760297**
Option 4 ID : **75189760298**
Status : **Not Answered**
Chosen Option : **--**

Q.97 The population of a city increased by 10% in 2020 and then decreased by 8% in 2021. Find the percentage change in the population of the city at the end of 2021 with respect to its population at the beginning of 2020.

Ans
✘ 1. 0.9% increase
✔ 2. 1.2% increase
✘ 3. 0.9% decrease
✘ 4. 1.2% decrease

Question ID : **75189712938**
Option 1 ID : **75189751750**
Option 2 ID : **75189751752**
Option 3 ID : **75189751749**
Option 4 ID : **75189751751**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.98 Which state government's forest department recognised its failures in reviving the degraded Sal forests in the south-western districts of the state

Ans
✘ 1. Odisha
✔ 2. West Bengal
✘ 3. Rajasthan
✘ 4. Madhya Pradesh

Question ID : **75189710292**
Option 1 ID : **75189741166**
Option 2 ID : **75189741165**
Option 3 ID : **75189741168**
Option 4 ID : **75189741167**
Status : **Answered**
Chosen Option : **3**

Q.99 The product of the LCM and the HCF of two numbers is 270. If one of the numbers is 18, find the other number.

Ans ✔ 1. 15

✘ 2. 30

✘ 3. 20

✘ 4. 27

Question ID : **75189712932**
Option 1 ID : **75189751725**
Option 2 ID : **75189751726**
Option 3 ID : **75189751727**
Option 4 ID : **75189751728**
Status : **Answered**
Chosen Option : **1**

Q.100 Each of six sports persons, Falak, Bala, Renu, Rekha, Priya and Pallavi, has a different weight. Rekha is heavier than only Falak and Renu but lighter than Bala and Priya. Pallavi is the heaviest. Priya is heavier than Bala and Falak is heavier than Renu. Who is the lightest among all the sports persons?

Ans ✘ 1. Bala

✔ 2. Renu

✘ 3. Priya

✘ 4. Falak

Question ID : **75189711508**
Option 1 ID : **75189746029**
Option 2 ID : **75189746031**
Option 3 ID : **75189746032**
Option 4 ID : **75189746030**
Status : **Answered**
Chosen Option : **2**

QP HTML Generated date 2022/10/06-11:01:13