Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Jamshedpur
Test Date	17/09/2022
Test Time	12:45 PM - 2:15 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 Express $0.\overline{64}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

Ans

✗ 1. $\frac{7}{9}$

✗ 2. $\frac{9}{11}$

✗ 3. $\frac{67}{95}$

✓ 4. $\frac{64}{99}$

Question ID :	**75189711390**
Option 1 ID :	**75189745560**
Option 2 ID :	**75189745557**
Option 3 ID :	**75189745559**
Option 4 ID :	**75189745558**
Status :	**Answered**
Chosen Option :	**4**

Q.2 A man receives ₹6,500 per month as salary. He saves 20% of his salary every month. His expenditure per month is:

Ans
  ✗ 1. ₹4,900

  ✗ 2. ₹5,100

  ✓ 3. ₹5,200

  ✗ 4. ₹5,000

Question ID : **7518979924**
Option 1 ID : **75189739693**
Option 2 ID : **75189739695**
Option 3 ID : **75189739696**
Option 4 ID : **75189739694**
Status : **Answered**
Chosen Option : **3**

Q.3 In which year was the High Court of Delhi established?

Ans
  ✗ 1. 1956

  ✓ 2. 1966

  ✗ 3. 1862

  ✗ 4. 1948

Question ID : **7518977280**
Option 1 ID : **75189729120**
Option 2 ID : **75189729118**
Option 3 ID : **75189729117**
Option 4 ID : **75189729119**
Status : **Marked For Review**
Chosen Option : **1**

Q.4 When light is passed through a prism, refraction of light occurs:

Ans
  ✓ 1. two times

  ✗ 2. three times

  ✗ 3. one time

  ✗ 4. zero times

Question ID : **7518979524**
Option 1 ID : **75189738094**
Option 2 ID : **75189738096**
Option 3 ID : **75189738093**
Option 4 ID : **75189738095**
Status : **Answered**
Chosen Option : **1**

Q.5 Ten years ago, Krishna was one-third as old as he will be 20 years from now. Krishna's present age (in years) is
_____.

Ans ✘ 1. 30

✔ 2. 25

✘ 3. 45

✘ 4. 27

Question ID : **75189710699**
Option 1 ID : **75189742793**
Option 2 ID : **75189742794**
Option 3 ID : **75189742795**
Option 4 ID : **75189742796**
Status : **Answered**
Chosen Option : **2**

Q.6 The value of the discriminant of the quadratic equation $2x^2 - 4x - 3 = 0$ is:

Ans ✘ 1. 24

✘ 2. 36

✔ 3. 40

✘ 4. 16

Question ID : **75189710012**
Option 1 ID : **75189740047**
Option 2 ID : **75189740048**
Option 3 ID : **75189740045**
Option 4 ID : **75189740046**
Status : **Marked For Review**
Chosen Option : **4**

Q.7 Consider two coils, A, having larger number of turns than B, kept axially at a distance from each other. The coil A is connected to a battery and a switch and B is connected to a galvanometer . On switching on or off the circuit a DC current flows through the coil A, then deflection in the galvanometer connected to coil B can be increased by winding the core of coil B on _____.

Ans ✘ 1. a wooden rod

✔ 2. an iron rod

✘ 3. a glass rod

✘ 4. an ebonite rod

Question ID : **75189711372**
Option 1 ID : **75189745488**
Option 2 ID : **75189745485**
Option 3 ID : **75189745486**
Option 4 ID : **75189745487**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.8 Who among the following social reformers wrote the book called 'Barno-Porichoy'?

Ans ✗ 1. Debendranath Tagore

✗ 2. Swami Vivekananda

✓ 3. Ishwar Chandra Vidyasagar

✗ 4. Dwarkanath Ganguly

Question ID : **75189710537**
Option 1 ID : **75189742145**
Option 2 ID : **75189742147**
Option 3 ID : **75189742146**
Option 4 ID : **75189742148**
Status : **Answered**
Chosen Option : **3**

Q.9 Carbon exhibits catenation property due to _____.

Ans ✗ 1. its small size and weaker strength of carbon-carbon bond

✗ 2. its large size and weaker strength of carbon-carbon bond

✓ 3. its small size and greater strength of carbon-carbon bond

✗ 4. its large size and greater strength of carbon-carbon bond

Question ID : **75189711848**
Option 1 ID : **75189747391**
Option 2 ID : **75189747392**
Option 3 ID : **75189747390**
Option 4 ID : **75189747389**
Status : **Answered**
Chosen Option : **1**

Q.10 Find the value of $[(12 \times 4) \times \{6 \div 4 \times (\frac{7-4}{6})\}]$.

Ans ✗ 1. 24

✗ 2. 48

✗ 3. 42

✓ 4. 36

Question ID : **7518979899**
Option 1 ID : **75189739593**
Option 2 ID : **75189739596**
Option 3 ID : **75189739595**
Option 4 ID : **75189739594**
Status : **Answered**
Chosen Option : **4**

Q.11 Given that c is the third proportional of 15 and b. If b is the sum of first three odd natural numbers, then the value of c is:

Ans

✗ 1. $\dfrac{29}{5}$

✔ 2. $\dfrac{27}{5}$

✗ 3. $\dfrac{26}{5}$

✗ 4. $\dfrac{28}{5}$

Question ID : **7518979235**
Option 1 ID : **75189736937**
Option 2 ID : **75189736939**
Option 3 ID : **75189736940**
Option 4 ID : **75189736938**
Status : **Answered**
Chosen Option : **2**

Q.12 Read the given statements and conclusions carefully and decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. M ranked higher than B who ranked equal to S.

2. B ranked higher than F.

3. S did not rank higher than Q who ranked lower than M.

4. M ranked higher than F who did not rank lower than T.

Conclusions:

I. Q ranked higher than T.

II. Q ranked equal to T.

III. M ranked higher than F.

Ans

✔ 1. Conclusion III follows

✗ 2. Conclusions I and II follow

✗ 3. Conclusions I and III follow

✗ 4. Conclusions II and III follow

Question ID : **7518977949**
Option 1 ID : **75189731795**
Option 2 ID : **75189731793**
Option 3 ID : **75189731794**
Option 4 ID : **75189731796**
Status : **Answered**
Chosen Option : **3**

Q.13 Eight girls, A, B, C, D, E, F, G and H, are sitting around a circular table and facing the centre (but not necessarily in the same order). A is sitting second to the left of B. F is sitting to the immediate left of C. D is not an immediate neighbour of either F or E. H is not an immediate neighbour of B. Only three girls are sitting between A and D.

Who among the following girls are the immediate neighbours of D?

Ans   ✗ 1. A and E

   ✗ 2. E and B

   ✗ 3. F and B

   ✔ 4. H and G

Q.14 A factory built in the shape of a cuboid except for its roof had its dimensions given as 140 m × 10 m × 10 m. The structure is then closed on the top with a semi-cylindrical structure to exactly cover the open top of the cuboidal structure. The volume (in m^3) of the semi-cylindrical structure forming the roof is:

Take $\pi = \dfrac{22}{7}$

Ans   ✗ 1. 13000

   ✔ 2. 5500

   ✗ 3. 11000

   ✗ 4. 6500

Q.15 In the modern periodic table, addition of new shells down the group results in _____.

Ans   ✗ 1. decrease in atomic size and nuclear charge

   ✗ 2. decrease in atomic size and increase in nuclear charge

   ✗ 3. increase in atomic size and decrease in nuclear charge

   ✔ 4. increase in atomic size and nuclear charge

Q.16 Six Engineering graduates, Jayanth, Komal, Lasya, Midhun, Nayan and Ojaswi, graduated from a reputed engineering institute, each of them in a different year between 2004-2009. Jayanth graduated in the year immediately before the year Nayan graduated. Only one engineering student graduated between Komal and Ojaswi, where Komal was Ojaswi's senior. Ojaswi graduated in 2009.

If Midhun graduated in 2004, then who graduated in 2006?

Ans

✗ 1. Jayanth

✗ 2. Lasya

✔ 3. Nayan

✗ 4. Komal

Question ID : **75189711456**
Option 1 ID : **75189745824**
Option 2 ID : **75189745823**
Option 3 ID : **75189745822**
Option 4 ID : **75189745821**
Status : **Answered**
Chosen Option : **3**

Q.17 Each vowel in the word GRADIENT is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. Which of the following letters will appear twice in the group of letters thus formed?

Ans

✔ 1. F

✗ 2. B

✗ 3. M

✗ 4. J

Question ID : **75189711688**
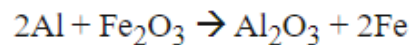Option 1 ID : **75189746751**
Option 2 ID : **75189746749**
Option 3 ID : **75189746752**
Option 4 ID : **75189746750**
Status : **Answered**
Chosen Option : **1**

Q.18 The given reaction is an example of _____.

$$2Al + Fe_2O_3 \rightarrow Al_2O_3 + 2Fe$$

Ans

✔ 1. displacement reaction

✗ 2. double displacement reaction

✗ 3. reduction reaction

✗ 4. oxidation reaction

Question ID : **75189711874**
Option 1 ID : **75189747495**
Option 2 ID : **75189747496**
Option 3 ID : **75189747494**
Option 4 ID : **75189747493**
Status : **Answered**
Chosen Option : **2**

Q.19 Which of the following fractions is the largest?

$$\frac{5}{7}, \frac{9}{14}, \frac{16}{21}, \frac{29}{42}$$

Ans

✔ 1. $\dfrac{16}{21}$

✘ 2. $\dfrac{29}{42}$

✘ 3. $\dfrac{5}{7}$

✘ 4. $\dfrac{9}{14}$

Question ID : **7518979926**
Option 1 ID : **75189739703**
Option 2 ID : **75189739704**
Option 3 ID : **75189739701**
Option 4 ID : **75189739702**
Status : **Answered**
Chosen Option : **1**

Q.20 The present total age of A and B is 12 years more than the present total age of B and C. By how many years is C younger than A?

Ans

✘ 1. 8

✘ 2. 6

✘ 3. 10

✔ 4. 12

Question ID : **75189710701**
Option 1 ID : **75189742802**
Option 2 ID : **75189742801**
Option 3 ID : **75189742803**
Option 4 ID : **75189742804**
Status : **Answered**
Chosen Option : **4**

Q.21 The elections for Panchayat are conducted by _____.

Ans

✗ 1. Revenue Department of the state

✔ 2. state election commission

✗ 3. election commission of India

✗ 4. urban local government

Question ID : **7518977572**
Option 1 ID : **75189730288**
Option 2 ID : **75189730287**
Option 3 ID : **75189730286**
Option 4 ID : **75189730285**
Status : **Marked For Review**
Chosen Option : **2**

Q.22 By selling a computer for ₹30,875, a shopkeeper suffers a loss of 5%. At what price should he sell it to gain 7%?

Ans

✔ 1. ₹34,775

✗ 2. ₹35,525

✗ 3. ₹33,985

✗ 4. ₹36,105

Question ID : **75189711193**
Option 1 ID : **75189744770**
Option 2 ID : **75189744769**
Option 3 ID : **75189744772**
Option 4 ID : **75189744771**
Status : **Answered**
Chosen Option : **1**

Q.23 Arrange the following organic compounds in the increasing order of their boiling point.

CH_4, CH_3COOH, $CHCl_3$, CH_3CH_2OH

Ans

✗ 1. $CH_4 < CHCl_3 < CH_3COOH < CH_3CH_2OH$

✗ 2. $CH_3CH_2OH < CH_3COOH < CHCl_3 < CH_4$

✗ 3. $CH_3COOH < CH_3CH_2OH < CHCl_3 < CH_4$

✔ 4. $CH_4 < CHCl_3 < CH_3CH_2OH < CH_3COOH$

Question ID : **75189710309**
Option 1 ID : **75189741236**
Option 2 ID : **75189741235**
Option 3 ID : **75189741233**
Option 4 ID : **75189741234**
Status : **Answered**
Chosen Option : **2**

Q.24 What is term used for perks that employers give to their employees above and beyond any financial compensation?

Ans
- ✗ 1. Marginal benefits
- ✓ 2. Fringe benefits
- ✗ 3. Trim benefits
- ✗ 4. Outlying benefits

Question ID : **75189710571**
Option 1 ID : **75189742281**
Option 2 ID : **75189742282**
Option 3 ID : **75189742284**
Option 4 ID : **75189742283**
Status : **Answered**
Chosen Option : **3**

Q.25 The first menstrual flow begins at puberty and is termed as:

Ans
- ✗ 1. ovulation
- ✗ 2. menstruation
- ✓ 3. menarche
- ✗ 4. menopause

Question ID : **75189710237**
Option 1 ID : **75189740948**
Option 2 ID : **75189740947**
Option 3 ID : **75189740945**
Option 4 ID : **75189740946**
Status : **Answered**
Chosen Option : **3**

Q.26 What approximate value should come in place of the question mark (?) in the following equation?

$7.05 - 20.92 + 16.20 \times 3.99 = ?$

Ans
- ✗ 1. 76
- ✓ 2. 50
- ✗ 3. 52
- ✗ 4. 62

Question ID : **75189710938**
Option 1 ID : **75189743752**
Option 2 ID : **75189743750**
Option 3 ID : **75189743749**
Option 4 ID : **75189743751**
Status : **Answered**
Chosen Option : **2**

Q.27 Why are contraceptive methods used?

Ans ✗ 1. To reduce blood pressure

✔ 2. To avoid pregnancy

✗ 3. To overcome fatigue

✗ 4. To prevent bacterial infection

Question ID : **7518977840**
Option 1 ID : **75189731358**
Option 2 ID : **75189731360**
Option 3 ID : **75189731357**
Option 4 ID : **75189731359**
Status : **Answered**
Chosen Option : **2**

Q.28 The element 'X' has seven electrons in outermost shell. Select the group of the modern periodic table to which it belongs.

Ans ✗ 1. 18th group

✗ 2. 16th group

✔ 3. 17th group

✗ 4. 7th group

Question ID : **75189711914**
Option 1 ID : **75189747653**
Option 2 ID : **75189747655**
Option 3 ID : **75189747656**
Option 4 ID : **75189747654**
Status : **Answered**
Chosen Option : **4**

Q.29 A substance is said to be reduced in a redox reaction if it:

Ans ✔ 1. gains hydrogen or loses oxygen

✗ 2. gains hydrogen and oxygen both

✗ 3. gains oxygen or loses hydrogen

✗ 4. loses hydrogen and oxygen both

Question ID : **75189711888**
Option 1 ID : **75189747550**
Option 2 ID : **75189747551**
Option 3 ID : **75189747549**
Option 4 ID : **75189747552**
Status : **Answered**
Chosen Option : **1**

Q.30 The given pie chart shows the sales of a store in each quarter as the percentage of total sales. Study the pie chart and answer the question that follows.

Sales

Which quarters have the highest and lowest sales, respectively?

Ans

✗ 1. 1ˢᵗ and 2ⁿᵈ

✗ 2. 2ⁿᵈ and 4ᵗʰ

✗ 3. 4ᵗʰ and 3ʳᵈ

✓ 4. 2ⁿᵈ and 3ʳᵈ

Question ID : **75189711656**
Option 1 ID : **75189746622**
Option 2 ID : **75189746624**
Option 3 ID : **75189746623**
Option 4 ID : **75189746621**
Status : **Answered**
Chosen Option : **3**

Q.31 Which of the following numbers will replace the question mark (?) in the given series?

0, 3, 8, 15, 24, 35, ?

Ans

✗ 1. 80

✗ 2. 37

✗ 3. 63

✓ 4. 48

Question ID : **75189711601**
Option 1 ID : **75189746401**
Option 2 ID : **75189746404**
Option 3 ID : **75189746402**
Option 4 ID : **75189746403**
Status : **Answered**
Chosen Option : **4**

Q.32 The Dree Festival, an important agricultural festival, is primarily celebrated by the Apatani tribe in the state of
_____.

Ans ✗ 1. Kerala

✗ 2. Madhya Pradesh

✗ 3. West Bengal

✓ 4. Arunachal Pradesh

Question ID : **7518978849**
Option 1 ID : **75189735393**
Option 2 ID : **75189735396**
Option 3 ID : **75189735395**
Option 4 ID : **75189735394**
Status : **Marked For Review**
Chosen Option : **4**

Q.33 Janak started from his office and after travelling a distance of 4 km towards north, he turned to the left and travelled a
distance of 3 km. He then turned left and travelled 9 km. He then took a final left, travelled 3 km and stopped. What is
the shortest distance between the stopping point and his office? (All turns are 90 degree turns only)

Ans ✓ 1. 5 km

✗ 2. 6 km

✗ 3. 7 km

✗ 4. 8 km

Question ID : **75189711584**
Option 1 ID : **75189746336**
Option 2 ID : **75189746335**
Option 3 ID : **75189746334**
Option 4 ID : **75189746333**
Status : **Answered**
Chosen Option : **1**

Q.34 The magnification produced by a concave mirror is found to be –2 when an object of height 1 cm is placed at a suitable
distance from the pole. Here, image height is equal to:

Ans ✗ 1. 0.2 cm

✗ 2. 3 cm

✓ 3. 2 cm

✗ 4. 1 cm

Question ID : **75189711149**
Option 1 ID : **75189744596**
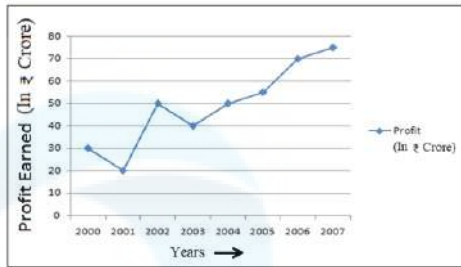Option 2 ID : **75189744595**
Option 3 ID : **75189744593**
Option 4 ID : **75189744594**
Status : **Answered**
Chosen Option : **2**

Q.35 The following graph shows the profit earned by a company over the years. Study the graph and answer the question that follows.

Calculate the increase in profit earned by the company in year 2002 as compared to previous year.

Ans

✗ 1. ₹50 crore

✗ 2. ₹40 crore

✗ 3. ₹20 crore

✔ 4. ₹30 crore

Q.36 The traffic signals at three different road crossings change after every 45 seconds, 75 seconds and 90 seconds respectively. If they all change simultaneously at 9:30:00 a.m., then at what time will they next change again simultaneously?

Ans

✗ 1. 9:39:20 a.m.

✗ 2. 9:38:00 a.m.

✗ 3. 9:39:10 a.m.

✔ 4. 9:37:30 a.m.

Q.37 As of March 2022, who is the chief justice of Karnataka high court?

Ans ✗ 1. B Veerappa

✔ 2. Ritu Raj Awasthi

✗ 3. Alok Aradhe

✗ 4. S Sujatha

Question ID : **75189710527**
Option 1 ID : **75189742108**
Option 2 ID : **75189742105**
Option 3 ID : **75189742106**
Option 4 ID : **75189742107**
Status : **Marked For Review**
Chosen Option : **3**

Q.38 Two pipes A and B can fill a cistern in 21 minutes and 28 minutes, respectively. Both the pipes are opened together but after 4 minutes, pipe B is turned off. What is the total time taken to fill the tank?

Ans ✔ 1. 18 minutes

✗ 2. 12 minutes

✗ 3. 13 minutes

✗ 4. 15 minutes

Question ID : **75189711200**
Option 1 ID : **75189744799**
Option 2 ID : **75189744797**
Option 3 ID : **75189744798**
Option 4 ID : **75189744800**
Status : **Answered**
Chosen Option : **2**

Q.39 Normally, in a healthy adult, the initial filtrate in the kidneys is about 180 L daily. However, the volume actually excreted is only:

Ans ✗ 1. 2 litres or 3 litres a day

✗ 2. 2 litres or 3.5 litres a day

✔ 3. 1 litre or 2 litres a day

✗ 4. 3 litres or 3.5 litres a day

Question ID : **75189710213**
Option 1 ID : **75189740850**
Option 2 ID : **75189740852**
Option 3 ID : **75189740849**
Option 4 ID : **75189740851**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.40 Which of the following chemicals can be applied to get relief from pain due to bee-sting?

Ans ✗ 1. $CaCO_3$

✓ 2. $NaHCO_3$

✗ 3. Na_2CO_3

✗ 4. $CaSO_4$

Question ID : **75189710358**
Option 1 ID : **75189741431**
Option 2 ID : **75189741432**
Option 3 ID : **75189741430**
Option 4 ID : **75189741429**
Status : **Answered**
Chosen Option : **2**

Q.41 The mean of a data is 38 and its median is 46. The mode (using empirical relation) of the data is:

Ans ✓ 1. 62

✗ 2. 64

✗ 3. 63

✗ 4. 65

Question ID : **7518979975**
Option 1 ID : **75189739897**
Option 2 ID : **75189739899**
Option 3 ID : **75189739898**
Option 4 ID : **75189739900**
Status : **Answered**
Chosen Option : **1**

Q.42 In a certain code language, 'TOTAL' is written as 'RMRYJ' and 'PLANT' is written as 'NJYLR'. How will 'PHONE' be written in that code language?

Ans ✓ 1. NFMLC

✗ 2. NFLMC

✗ 3. FNMLC

✗ 4. MLCNF

Question ID : **75189711564**
Option 1 ID : **75189746254**
Option 2 ID : **75189746253**
Option 3 ID : **75189746256**
Option 4 ID : **75189746255**
Status : **Answered**
Chosen Option : **1**

Q.43 What is the cause of muscle cramps?

Ans ✗ 1. Excessive excitation of neuromuscular junctions

✔ 2. Insufficiency of oxygen supply to muscles

✗ 3. Fatigue and weakness of the body

✗ 4. Low glucose level in the blood (hypoglycaemia)

Q.44 Which of the following part connects the urinary bladder and the kidney?

Ans ✗ 1. Nephrons

✗ 2. Urethra

✔ 3. Ureters

✗ 4. Tubules

Q.45 The surface area (in cm^2) of a sphere of radius 14 cm is:

Take $\pi = \dfrac{22}{7}$

Ans ✔ 1. 2464

✗ 2. 1848

✗ 3. 616

✗ 4. 1232

Q.46 A company earns a profit that is distributed among the company's three partners in the ratio of 1 : 3 : 5. If the difference between the smallest and the largest shares is ₹80,000, the total profit of the company is:

Ans ✗ 1. ₹1,40,000

✔ 2. ₹1,80,000

✗ 3. ₹1,60,000

✗ 4. ₹1,20,000

Question ID : **7518979929**
Option 1 ID : **75189739715**
Option 2 ID : **75189739713**
Option 3 ID : **75189739714**
Option 4 ID : **75189739716**
Status : **Answered**
Chosen Option : **2**

Q.47 Different-coloured dustbins are provided by some municipalities in some cities and towns. The blue one is used for collecting _____.

Ans ✗ 1. medical wastes

✗ 2. agricultural wastes

✔ 3. reusable wastes

✗ 4. kitchen wastes

Question ID : **7518974471**
Option 1 ID : **75189717882**
Option 2 ID : **75189717884**
Option 3 ID : **75189717883**
Option 4 ID : **75189717881**
Status : **Answered**
Chosen Option : **2**

Q.48 An electric bulb of 40 Ω resistance and a conductor of 10 Ω resistance are connected to a 10 V battery. The total resistance of the circuit is:

Ans ✗ 1. 40 Ω

✗ 2. 30 Ω

✔ 3. 50 Ω

✗ 4. 60 Ω

Question ID : **75189711332**
Option 1 ID : **75189745326**
Option 2 ID : **75189745325**
Option 3 ID : **75189745327**
Option 4 ID : **75189745328**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.49 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.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. EXAMPLE: 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)

3 : 16 :: 5 : 36 :: 7 : ?

Ans ✗ 1. 62

✗ 2. 65

✗ 3. 63

✔ 4. 64

Question ID : **75189711614**
Option 1 ID : **75189746453**
Option 2 ID : **75189746456**
Option 3 ID : **75189746454**
Option 4 ID : **75189746455**
Status : **Answered**
Chosen Option : **4**

Q.50 The principal focus of a convex mirror is located:

Ans ✗ 1. above the principal axis

✗ 2. below the principal axis

✗ 3. in front of the mirror

✔ 4. behind the mirror

Question ID : **7518979481**
Option 1 ID : **75189737923**
Option 2 ID : **75189737924**
Option 3 ID : **75189737921**
Option 4 ID : **75189737922**
Status : **Answered**
Chosen Option : **3**

Q.51 Who among the following clocked 20.52 seconds in the men's 200 m final of the Federation Cup 2022 to break Muhammed Anas Yahiya's previous national record of 20.63 created at a meet in the Czech Republic back in 2018?

Ans ✗ 1. Amiya Kumar Mallick

✗ 2. Jinson Johnson

✔ 3. Amlan Borgohain

✗ 4. Surendra Singh

Question ID : **7518976507**
Option 1 ID : **75189726027**
Option 2 ID : **75189726025**
Option 3 ID : **75189726026**
Option 4 ID : **75189726028**
Status : **Not Answered**
Chosen Option : **--**

Q.52 Devprayag is the confluence of _____.

Ans ✗ 1. Godavari and Narmada

✗ 2. Sutlej and Indus

✗ 3. Yamuna and Ganga

✓ 4. Alaknanda and Bhagirathi

Question ID : **7518977544**
Option 1 ID : **75189730175**
Option 2 ID : **75189730173**
Option 3 ID : **75189730174**
Option 4 ID : **75189730176**
Status : **Answered**
Chosen Option : **4**

Q.53 A statement is given followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and decide which of the assumptions is/are implicit in the statement.

Statement:
Do not throw glass bottles in green dustbins which are meant for other recyclable waste items.

Assumptions:
I.   Dustbins for collecting glass bottles are of a different colour than the dustbins used to collect other recyclable items.
II.   Glass bottles are to be thrown along with the non-recyclable waste.

Ans ✗ 1. Only assumption II is implicit

✗ 2. Neither assumptions I nor II is implicit

✗ 3. Both assumptions I and II are implicit

✓ 4. Only assumption I is implicit

Question ID : **75189711698**
Option 1 ID : **75189746790**
Option 2 ID : **75189746791**
Option 3 ID : **75189746792**
Option 4 ID : **75189746789**
Status : **Answered**
Chosen Option : **2**

Q.54 Three statements are given followed by two conclusions numbered I and II. 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 aliens are people.
All people are mammals.
All mammals are animals.

Conclusions:
I. Some animals are mammals.
II. All people are aliens.

Ans

✔ 1. Only conclusion I follows

✘ 2. Neither conclusion I or II follows

✘ 3. Both conclusions I and II follow

✘ 4. Only conclusion II follows

Question ID : **75189711683**
Option 1 ID : **75189746729**
Option 2 ID : **75189746732**
Option 3 ID : **75189746731**
Option 4 ID : **75189746730**
Status : **Answered**
Chosen Option : **1**

Q.55 The difference between the smallest and the largest fractions among $\frac{5}{6}$, $\frac{7}{8}$, $\frac{11}{12}$, $\frac{13}{16}$ is:

Ans

✘ 1. $\frac{5}{41}$

✘ 2. $\frac{5}{47}$

✘ 3. $\frac{5}{43}$

✔ 4. $\frac{5}{48}$

Question ID : **7518979927**
Option 1 ID : **75189739705**
Option 2 ID : **75189739707**
Option 3 ID : **75189739706**
Option 4 ID : **75189739708**
Status : **Answered**
Chosen Option : **4**

Q.56 The perimeter of an isosceles triangle is 32 cm. If each of the equal sides is 4 cm longer than the base, then the length of the sides of the triangle are _____.

Ans
- ✗ 1. 14, 14, 4
- ✔ 2. 8, 12, 12
- ✗ 3. 14, 10, 10
- ✗ 4. 16, 12, 12

Question ID : **75189710695**
Option 1 ID : **75189742780**
Option 2 ID : **75189742778**
Option 3 ID : **75189742779**
Option 4 ID : **75189742777**
Status : **Answered**
Chosen Option : **2**

Q.57 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.

SJC : XOH

FMT : KRY

Ans
- ✗ 1. NHF : MWK
- ✗ 2. NFH : MSK
- ✗ 3. NFK : SKD
- ✔ 4. HNF : MSK

Question ID : **7518979870**
Option 1 ID : **75189739479**
Option 2 ID : **75189739478**
Option 3 ID : **75189739480**
Option 4 ID : **75189739477**
Status : **Answered**
Chosen Option : **4**

Q.58 In India, the duration from _____ is the time of the arrival of the normal rainfall, which increases suddenly and continues constantly for several days, known as the 'burst' of the monsoon.

Ans
- ✗ 1. Early June to August
- ✔ 2. Early June to mid-September
- ✗ 3. Early July to mid-August
- ✗ 4. July to early September

Question ID : **7518978901**
Option 1 ID : **75189735601**
Option 2 ID : **75189735604**
Option 3 ID : **75189735603**
Option 4 ID : **75189735602**
Status : **Answered**
Chosen Option : **3**

Q.59 The perimeter of a square is 32 m. Its area (in m^2) is:

Ans ✗ 1. 32

✔ 2. 64

✗ 3. 128

✗ 4. 56

Q.60 If the cost of two tables and three wooden benches is ₹3,500 and the cost of three tables and two wooden benches is ₹4,000, then the cost (in ₹) of one table is _____.

Ans ✗ 1. 500

✔ 2. 1,000

✗ 3. 1,400

✗ 4. 2,200

Q.61 Which acid is produced by the human stomach?

Ans ✗ 1. Lactic acid

✗ 2. H_2SO_4

✔ 3. HCl

✗ 4. CH_3COOH

Q.62 A dealer sold his goods at a discount of 20% but set the marked price of each article at 30% above the cost price. His gain percentage on each article is _____.

Ans ✔ 1. 4%

✘ 2. 8%

✘ 3. 5%

✘ 4. 10%

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 conditions is your answer.

Number/Symbol	6	8	4	+	5	#	%	2	$	1	^	7	9	*	@
Code	S	U	T	W	N	P	V	D	A	Z	J	M	O	M	Y

Conditions:

(i) If the first and last elements are numbers, then the last element will be replaced by the symbol @.

(ii) If the first element is a symbol, then the first element will be coded as ©.

(iii) If both the first and second elements are numbers, then the third element will be coded as *.

What will be the code for the following?

7 8 4 % @

Ans ✘ 1. VY*UM

✘ 2. UMVY*

✘ 3. UM*VY

✔ 4. MU* VY

Q.64 Who among the following sportsmen was in news in June 2021 for being inducted into the ICC Hall of Fame ahead of WTC Final?

Ans

  ✗ 1.   Ajay Jadeja

  ✗ 2.   Javagal Srinath

  ✔ 3.   Vinoo Mankad

  ✗ 4.   Dilip Vengsarkar

Question ID : **7518974129**
Option 1 ID : **75189716516**
Option 2 ID : **75189716515**
Option 3 ID : **75189716514**
Option 4 ID : **75189716513**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.65 A statement is followed by two conclusions. Find out which conclusion is true based on the given statement.

Statement:
R < S ≤ T ≤ U = V > W > X

Conclusions:
I. S = V
II. V > S

Ans

  ✗ 1.   Both conclusions I and II are true

  ✗ 2.   Only conclusion II is true

  ✗ 3.   Only conclusion I is true

  ✔ 4.   Either conclusion I or II is true

Question ID : **75189711491**
Option 1 ID : **75189745963**
Option 2 ID : **75189745962**
Option 3 ID : **75189745961**
Option 4 ID : **75189745964**
Status : **Answered**
Chosen Option : **4**

Q.66 Six medical students, J, K, L, M, N and O completed their MBBS graduation from a reputed medical institute between 2014 and 2019. Each of them graduated in a different year. J graduated in the year immediately before the year N graduated. Only one medical student graduated between K and O, where K graduated before O. O graduated in 2019. If M graduated in 2014, then who graduated in 2016?

Ans

  ✗ 1.   L

  ✗ 2.   J

  ✔ 3.   N

  ✗ 4.   K

Question ID : **75189710759**
Option 1 ID : **75189743035**
Option 2 ID : **75189743036**
Option 3 ID : **75189743034**
Option 4 ID : **75189743033**
Status : **Answered**
Chosen Option : **3**

Q.67 Which of following is in-house software of the Indian Railways to tackle the problem of cattle getting run over by the trains?

Ans
- ✔ 1. Smart Event Tracking System
- ✘ 2. Animal Tracking and Vigilant System
- ✘ 3. Indian Railway Tracking System
- ✘ 4. Cattle Tracking Collar System

Question ID : **7518974138**
Option 1 ID : **75189716549**
Option 2 ID : **75189716550**
Option 3 ID : **75189716551**
Option 4 ID : **75189716552**
Status : **Answered**
Chosen Option : **2**

Q.68 _____ pass is a high mountain pass in the state of Himachal Pradesh, that connects Kullu valley with Lahual - Spiti Valley.

Ans
- ✘ 1. Lipu Lekh
- ✘ 2. Zoji La
- ✔ 3. Rohtang
- ✘ 4. Shipki La

Question ID : **75189710479**
Option 1 ID : **75189741916**
Option 2 ID : **75189741913**
Option 3 ID : **75189741914**
Option 4 ID : **75189741915**
Status : **Answered**
Chosen Option : **2**

Q.69 In the given figure, AB is parallel to CD. What is the value of $x°$?
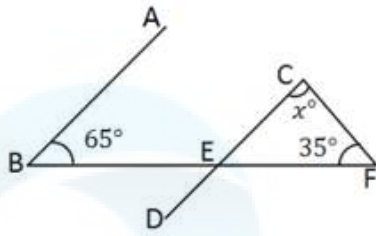
Ans
  ✗ 1. 110°

  ✗ 2. 30°

  ✔ 3. 80°

  ✗ 4. 100°

Q.70 Which of the following Indian languages is NOT categorised as a classical language by the Ministry of Culture, Government of India?

Ans
  ✗ 1. Tamil

  ✗ 2. Telugu

  ✔ 3. Bengali

  ✗ 4. Sanskrit

Q.71 Convert $\frac{7893}{9990}$ to its recurring decimal form.

Ans ✗ 1. $0.7\overline{990}$

✓ 2. $0.7\overline{900}$

✗ 3. $0.\overline{790}$

✗ 4. $0.\overline{799}$

Question ID : **75189711393**
Option 1 ID : **75189745572**
Option 2 ID : **75189745570**
Option 3 ID : **75189745569**
Option 4 ID : **75189745571**
Status : **Answered**
Chosen Option : **2**

Q.72 Six friends Q, R, S, T, U and V are sitting in a row facing north. Q is seated 2nd to the right of T and 3rd to the left of S. U is not an immediate neighbour of Q. Who is seated between R and V?

Ans ✗ 1. T

✓ 2. Q

✗ 3. U

✗ 4. S

Question ID : **7518979712**
Option 1 ID : **75189738848**
Option 2 ID : **75189738845**
Option 3 ID : **75189738846**
Option 4 ID : **75189738847**
Status : **Answered**
Chosen Option : **2**

Q.73 Parshavnatha temple is located in which state?

Ans ✗ 1. Rajasthan

✓ 2. Madhya Pradesh

✗ 3. Kerala

✗ 4. Karnataka

Question ID : **7518977207**
Option 1 ID : **75189728827**
Option 2 ID : **75189728828**
Option 3 ID : **75189728825**
Option 4 ID : **75189728826**
Status : **Answered**
Chosen Option : **3**

Q.74 Which of the following numbers will replace the question mark (?) in the given series?

13, 14, 27, 41, 68, ?

Ans ✗ 1. 118

✗ 2. 85

✗ 3. 98

✓ 4. 109

Question ID : **75189711065**
Option 1 ID : **75189744258**
Option 2 ID : **75189744257**
Option 3 ID : **75189744260**
Option 4 ID : **75189744259**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.75 As per the 16th Annual Status of Education Report (ASER) 2021 (Rural), the enrolment rate decreased to _____ in private schools.

Ans ✓ 1. 24.4%

✗ 2. 18.2%

✗ 3. 20.1%

✗ 4. 27.2%

Question ID : **75189711098**
Option 1 ID : **75189744391**
Option 2 ID : **75189744389**
Option 3 ID : **75189744390**
Option 4 ID : **75189744392**
Status : **Not Answered**
Chosen Option : --

Q.76 Which of the following term will replace the question mark (?) in the given series to make it logically complete?

AMB3, DPE5, GSH7, ?, MYN11

Ans ✗ 1. KVL9

✗ 2. KYL12

✗ 3. JVK12

✓ 4. JVK9

Question ID : **75189711016**
Option 1 ID : **75189744063**
Option 2 ID : **75189744061**
Option 3 ID : **75189744064**
Option 4 ID : **75189744062**
Status : **Answered**
Chosen Option : **4**

Q.77 A shopkeeper claims to sell his goods at cost price but uses a weight that actually weighs 900 gm though 1 kg is written on it. The gain percentage is:

Ans

✗ 1. $14\frac{1}{3}\%$

✓ 2. $11\frac{1}{9}\%$

✗ 3. 9%

✗ 4. $22\frac{1}{2}\%$

Question ID : **75189710662**
Option 1 ID : **75189742646**
Option 2 ID : **75189742647**
Option 3 ID : **75189742648**
Option 4 ID : **75189742645**
Status : **Answered**
Chosen Option : **2**

Q.78 Refer to the following letter, number and symbol series and answer the question.

(Left) V 2 5 U @ ƒ W ¥ # 2 Ω A R Q 1 @ F B 4 6 # H J % Z E (Right)

If all the consonants are dropped from the series, what will be the position of 'Ω' from the left?

Ans

✓ 1. Ninth

✗ 2. Tenth

✗ 3. Seventh

✗ 4. Eighth

Question ID : **75189710845**
Option 1 ID : **75189743379**
Option 2 ID : **75189743380**
Option 3 ID : **75189743378**
Option 4 ID : **75189743377**
Status : **Answered**
Chosen Option : **1**

Q.79 Which of the following numbers is exactly divisible by 18?

Ans

✗ 1. 792462

✗ 2. 842104

✗ 3. 317468

✓ 4. 239076

Question ID : **75189711394**
Option 1 ID : **75189745576**
Option 2 ID : **75189745575**
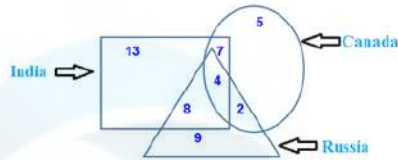Option 3 ID : **75189745574**
Option 4 ID : **75189745573**
Status : **Answered**
Chosen Option : **4**

Q.80 Study the given diagram carefully and answer the question that follows.

The numbers in different sections indicate the number of people who belong to different countries.

What number represents the people who belong to India, Canada as well as Russia?

Ans

✗ 1. 2

✗ 2. 7

✔ 3. 4

✗ 4. 8

Q.81 In return for help in protection of 1,272 hectares of a badly degraded Sal forest, villagers were given employment in:

Ans

✗ 1. agriculture

✔ 2. silviculture

✗ 3. pomo culture

✗ 4. Sericulture

Q.82 If α, β be the roots of the quadratic equation $3x^2 - 9x + 8 = 0$, then the value of $\left(\frac{\alpha}{\beta} + \frac{\beta}{\alpha}\right) + 4\left(\frac{1}{\alpha} + \frac{1}{\beta}\right)$ is:

Ans

✗ 1. 6.125

✗ 2. 7.225

✗ 3. 4.825

✔ 4. 5.875

Q.83 Select the option that is related to the seventh number in the same way as the second number is related to the first number, the fourth number is related to the third number and the sixth number is related to the fifth number.

8 : 2 :: 16 : 6 :: 18 : 7 :: 28 : ?

Ans ✔ 1. 12

✘ 2. 11

✘ 3. 9

✘ 4. 21

Q.84 Ashutosh plotted Voltage against Current for two Ohmic conductors and found that the slopes of these two conductors are 10 and 50, respectively. If the same 20 V battery is connected across these two Ohmic wires separately, what will be the ratio of the current flow in these two wires?

Ans ✘ 1. 5 : 2

✔ 2. 5 : 1

✘ 3. 5 : 3

✘ 4. 5 : 4

Q.85 The refractive indices of dense flint glass and water are 1.65 and 1.33, respectively. A ray of light passes from dense flint glass to water. The refractive index of water with respect to dense flint glass is _____ and the ray bends_____ the normal in water.

Ans ✘ 1. 0.81, towards

✔ 2. 0.81, away from

✘ 3. 1.24, away from

✘ 4. 1.24, towards

Q.86 Refer to the following number series and answer the question.

(Left) 1 4 6 2 7 8 3 7 5 6 8 9 1 3 9 5 3 (Right)

Find the sum of all the odd numbers in the above number series.

Ans ✗ 1. 57

✓ 2. 53

✗ 3. 58

✗ 4. 55

Question ID : **75189711541**
Option 1 ID : **75189746163**
Option 2 ID : **75189746161**
Option 3 ID : **75189746164**
Option 4 ID : **75189746162**
Status : **Answered**
Chosen Option : **2**

Q.87 SHG – Bank Linkage Programme (SHG-BLP) is a bank-led microfinance channel in India, which was initiated by _____.

Ans ✗ 1. SIDBI

✓ 2. NABARD

✗ 3. LIC

✗ 4. EXIM Bank

Question ID : **7518979408**
Option 1 ID : **75189737629**
Option 2 ID : **75189737630**
Option 3 ID : **75189737631**
Option 4 ID : **75189737632**
Status : **Answered**
Chosen Option : **1**

Q.88 The Union Budget also known as Annual Financial Statement (AFS) for a particular financial year is given in which Article of the Indian Constitution?

Ans ✗ 1. Article 134

✓ 2. Article 112

✗ 3. Article 31-C

✗ 4. Article 38

Question ID : **7518974041**
Option 1 ID : **75189716164**
Option 2 ID : **75189716163**
Option 3 ID : **75189716161**
Option 4 ID : **75189716162**
Status : **Not Answered**
Chosen Option : **--**

Q.89 The rate of electricity in a state is Rs5.00 per unit. The cost of running an 100 W fan for 10 hours a day for the whole month of May will be rupees:

Ans ✗ 1. 200

✗ 2. 250

✗ 3. 300

✓ 4. 150

Question ID : 75189711363
Option 1 ID : 75189745450
Option 2 ID : 75189745449
Option 3 ID : 75189745452
Option 4 ID : 75189745451
Status : **Answered**
Chosen Option : **1**

Q.90 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:

All chairs are pens.

Some pens are shoes.

Some shoes are desks.

Conclusions:

(I) Some desks are chairs.

(II) Some shoes are chairs.

Ans ✗ 1. Both conclusions I and II follow

✗ 2. Only conclusion II follows

✓ 3. Neither conclusion I nor II follow

✗ 4. Only conclusion I follows

Question ID : 75189710994
Option 1 ID : 75189743976
Option 2 ID : 75189743974
Option 3 ID : 75189743975
Option 4 ID : 75189743973
Status : **Answered**
Chosen Option : **3**

Q.91 Which of the following falls under the Right to Constitutional Remedies?

Ans ✗ 1.
Freedom of conscience and free profession, practice and propagation of religion

✔ 2.
The right to move the Supreme Court by appropriate proceedings for the enforcement of the rights conferred by Part III is guaranteed

✗ 3. Right to education

✗ 4. Equality of opportunity in public employment

Q.92 If '+' means '−', '−' means '×', '×' means '÷', and '÷' means '+', what will come in place of the question mark (?) in the following equation?

$44 \times 11 - 25 \div 20 + 80 = ?$

Ans ✔ 1. 40

✗ 2. 90

✗ 3. 60

✗ 4. 100

Q.93 Which two numbers should be interchanged to make the following equation correct?

$9 + 7 - (6 \div 3 - 4) \times 8 = 31$

Ans ✗ 1. 6 and 7

✗ 2. 4 and 7

✗ 3. 9 and 7

✔ 4. 8 and 7

Q.94 _____ is an Indian Technology developed by Research Design and Standards Organisation in collaboration with Indian Railways in March 2022, that can prevent two trains from colliding.

Ans   ✗ 1. Jaivardhan

     ✓ 2. Kavach

     ✗ 3. Trishool

     ✗ 4. Srivatsa

> Question ID : **75189710415**
> Option 1 ID : **75189741658**
> Option 2 ID : **75189741659**
> Option 3 ID : **75189741660**
> Option 4 ID : **75189741657**
> Status : **Answered**
> Chosen Option : **2**

Q.95 In which of the following years was the Planning Commission set up with the Prime Minister as its Chairperson, and hence began the era of five-year plans.

Ans   ✓ 1. 1950

     ✗ 2. 1949

     ✗ 3. 1948

     ✗ 4. 1947

> Question ID : **75189710466**
> Option 1 ID : **75189741864**
> Option 2 ID : **75189741863**
> Option 3 ID : **75189741862**
> Option 4 ID : **75189741861**
> Status : **Answered**
> Chosen Option : **2**

Q.96 Study the following arrangement and answer the question given below. All numbers given below are 2 digit numbers.

33 56 93 % 28 21 @ / 84 94 39 S 65 19 # 81

Which is the 7th term to the right of the 14th term from the right end in the above arrangement?

Ans   ✗ 1. @

     ✗ 2. 21

     ✓ 3. 94

     ✗ 4. 84

> Question ID : **7518979001**
> Option 1 ID : **75189736001**
> Option 2 ID : **75189736004**
> Option 3 ID : **75189736003**
> Option 4 ID : **75189736002**
> Status : **Answered**
> Chosen Option : **3**

Q.97 For green plant tissues undergoing photosynthesis, _____ is a waste product.

Ans ✔ 1. oxygen

✘ 2. urea

✘ 3. carbon dioxide

✘ 4. ammonia

Question ID : **75189710071**
Option 1 ID : **75189740282**
Option 2 ID : **75189740283**
Option 3 ID : **75189740281**
Option 4 ID : **75189740284**
Status : **Answered**
Chosen Option : **2**

Q.98 Amit starts from Point A and drives 6 km towards the south. He then takes a left turn, drives 4 km, turns right and drives 3 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 9 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. 3 km towards the east

✘ 2. 2 km towards the west

✘ 3. 3 km towards the north

✘ 4. 2 km towards the east

Question ID : **75189711837**
Option 1 ID : **75189747347**
Option 2 ID : **75189747348**
Option 3 ID : **75189747345**
Option 4 ID : **75189747346**
Status : **Not Answered**
Chosen Option : **--**

Q.99 Six pen boxes of different brands, P1, Q2, R3, S4, T5 and U6, are kept one above the other but not necessarily in the same order. P1 is third from the top and immediately below U6. Only two boxes are there between P1 and Q2. There are two boxes between R3 and T5. R3 is placed below T5. How many pen boxes are there between T5 and Q2?

Ans ✔ 1. Four

✘ 2. Three

✘ 3. Two

✘ 4. One

Question ID : **75189711458**
Option 1 ID : **75189745832**
Option 2 ID : **75189745831**
Option 3 ID : **75189745830**
Option 4 ID : **75189745829**
Status : **Not Answered**
Chosen Option : **--**

Q.100 Suppose a current of 0.05 A is passing through a wire of resistance R when the voltage across the resistor is 10 V. What current will pass through this wire when the voltage across it is 20 V?

Ans ✗ 1. 0.2 A

  ✗ 2. 0.01 A

  ✗ 3. 0.02 A

  ✓ 4. 0.1 A