रेल भर्ती बोर्ड / **RAILWAY RECRUITMENT BOARDS**

सी ई एन आर आर सी - ०१/२०१९ - **CEN RRC - 01/2019**

Roll Number	
Candidate Name	
Test Center Name	Career Wings
Test Date	25/08/2022
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 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

FINE : GKQI :: MOST : NQVX :: SEAL : ?

Ans ✗ 1. PGTD

✔ 2. TGDP

✗ 3. TPGD

✗ 4. TGPD

Question ID : **7518974850**
Option 1 ID : **75189719398**
Option 2 ID : **75189719399**
Option 3 ID : **75189719397**
Option 4 ID : **75189719400**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.2 Which of the following is the quadratic equation whose roots are −2 and 4?

Ans ✗ 1. $2x^2 - 6x - 24 = 0$

✗ 2. $3x^2 - 5x - 24 = 0$

✔ 3. $3x^2 - 6x - 24 = 0$

✗ 4. $3x^2 - 6x - 20 = 0$

Question ID : **7518975733**
Option 1 ID : **75189722929**
Option 2 ID : **75189722930**
Option 3 ID : **75189722931**
Option 4 ID : **75189722932**
Status : **Answered**
Chosen Option : **3**

Q.3 In a class of 11 students, each scored differently. V's rank from the bottom is 6th, while D's rank from the top is 4th. T's rank from the top is exactly between the ranks of V and D. What is T's rank from the bottom?

Ans
✗ 1. 9th

✗ 2. 8th

✔ 3. 7th

✗ 4. 5th

Question ID : **7518974719**
Option 1 ID : **75189718876**
Option 2 ID : **75189718874**
Option 3 ID : **75189718875**
Option 4 ID : **75189718873**
Status : **Answered**
Chosen Option : **3**

Q.4 Identify the sportsperson who received the Major Dhyan Chand Khel Ratna Award 2021 in the wrestling discipline from the following options.

Ans
✔ 1. Ravi Kumar

✗ 2. Suhash Yathiraj

✗ 3. Nishad Kumar

✗ 4. Sharad Kumar

Question ID : **7518976462**
Option 1 ID : **75189725846**
Option 2 ID : **75189725847**
Option 3 ID : **75189725848**
Option 4 ID : **75189725845**
Status : **Answered**
Chosen Option : **1**

Q.5 If '+' means '−', '−' means '×', '×' means '÷' and '÷' means '+', what will come in place of the question mark (?) in the following equation?

$24 + 16 ÷ 132 × 11 − 3 = ?$

Ans
✔ 1. 44

✗ 2. 40

✗ 3. 46

✗ 4. 42

Question ID : **7518977415**
Option 1 ID : **75189729659**
Option 2 ID : **75189729657**
Option 3 ID : **75189729660**
Option 4 ID : **75189729658**
Status : **Answered**
Chosen Option : **1**

Q.6 Refer to the following letter and number series and answer the question.

(Left) G C 6 8 T 7 D 4 6 K 2 R Y 3 5 E S A 4 T Y 7 8 G T (Right)

If all the numbers are dropped from the series, how many letters are there in the English alphabetical order between the letter that is fourth from the right end and the letter that is sixth from the left end of the given series?

Ans
✗ 1. None

✗ 2. Three

✔ 3. One

✗ 4. Two

Question ID : **7518977351**
Option 1 ID : **75189729401**
Option 2 ID : **75189729404**
Option 3 ID : **75189729402**
Option 4 ID : **75189729403**
Status : **Answered**
Chosen Option : **3**

Q.7 How many hydrogen atoms will be added along with one carbon atom in the next member of a homologous series?

Ans
✗ 1. 4

✗ 2. 1

✗ 3. 3

✔ 4. 2

Question ID : **7518973411**
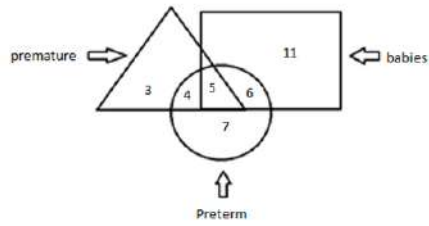Option 1 ID : **75189713644**
Option 2 ID : **75189713641**
Option 3 ID : **75189713643**
Option 4 ID : **75189713642**
Status : **Answered**
Chosen Option : **4**

Q.8 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.

premature ⟹
11   ⟸ babies

3   4   5   6
7

⇧
Preterm

How many such babies are there who are NEITHER premature NOR preterm?

Ans ✗ 1. 4

✗ 2. 5

✔ 3. 11

✗ 4. 6

Question ID : **7518977316**
Option 1 ID : **75189729261**
Option 2 ID : **75189729262**
Option 3 ID : **75189729264**
Option 4 ID : **75189729263**
Status : **Answered**
Chosen Option : **3**

Q.9 The sex of a person is determined by _____.

Ans ✗ 1.
the chromosomes present in both sperm and ovum and dietary habits of parents

✔ 2. the chromosomes present in sperm

✗ 3. the chromosomes present in ovum

✗ 4. the chromosomes present in both sperm and ovum

Question ID : **7518974451**
Option 1 ID : **75189717804**
Option 2 ID : **75189717802**
Option 3 ID : **75189717803**
Option 4 ID : **75189717801**
Status : **Answered**
Chosen Option : **2**

Q.10 In which of the following period do the monsoon winds tentatively reach Punjab, Western Uttar Pradesh and Haryana during a normal monsoon year?

Ans

✗ 1. First week of June

✗ 2. First week of May

✗ 3. First week of August

✓ 4. First week of July

Question ID : **7518974259**

Option 1 ID : **75189717033**
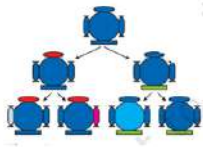
Option 2 ID : **75189717036**

Option 3 ID : **75189717035**

Option 4 ID : **75189717034**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.11 The figure below shows a single organism undergoing reproduction and the progeny with minor differences. What could be the reason for the variation?

Ans

✓ 1. Errors in DNA copying

✗ 2. Errors in RNA formation

✗ 3. Errors in protein formation

✗ 4. Gene being non-functional

Question ID : **7518974637**

Option 1 ID : **75189718546**

Option 2 ID : **75189718548**

Option 3 ID : **75189718545**

Option 4 ID : **75189718547**

Status : **Not Answered**

Chosen Option : --

Q.12 Which of the following method(s) can be used to change the direction of force on a current carrying conductor?

(i) Changing the magnitude of current

(ii) Changing the strength of magnetic field

(iii) Changing the direction of current

Ans ✔ 1. Only (iii)

✘ 2. Both (ii) and (iii)

✘ 3. Only (i)

✘ 4. Both (i) and (iii)

Question ID : **7518975526**
Option 1 ID : **75189722102**
Option 2 ID : **75189722104**
Option 3 ID : **75189722101**
Option 4 ID : **75189722103**
Status : **Answered**
Chosen Option : **2**

Q.13 Identify the INCORRECT statement from among the following.

Ans ✘ 1. Repulsion is a sure test of magnetism.

✘ 2.
Outside a bar magnet, the magnetic field lines are directed from north to south pole.

✔ 3.
A number of field lines intersect at a given point inside a magnetic field.

✘ 4.
A freely suspended bar magnet points in north-south direction.

Question ID : **7518975513**
Option 1 ID : **75189722051**
Option 2 ID : **75189722049**
Option 3 ID : **75189722052**
Option 4 ID : **75189722050**
Status : **Answered**
Chosen Option : **3**

Q.14 The ratio of the sum of all the interior angles to an exterior angle of a regular polygon is 24: 1. Find the number of sides of the polygon.

Ans ✘ 1. 80

✘ 2. 10

✘ 3. 78

✔ 4. 8

Question ID : **7518976200**
Option 1 ID : **75189724797**
Option 2 ID : **75189724799**
Option 3 ID : **75189724798**
Option 4 ID : **75189724800**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.15 A decision is given followed by two statements I and II. Read all the information carefully and select the correct option.

Decision:
In order to promote tourism, Country W is declaring 20 of its cities as Heritage Sites.

Statements:
I. 4 of the 20 cities are located in hilly areas and have limited access to transport.
II. In the past whenever a city in Country W has been promoted for tourism, it has led to increased employment opportunities in that city.

Ans ✔ 1.

Statement I weakens the decision and statement II strengthens the decision

✘ 2.

Statement I is a neutral statement and statement II strengthens the decision

✘ 3. Both statements I and II strengthen the decision

✘ 4. Both statements I and II weaken the decision

> Question ID : **7518976761**
> Option 1 ID : **75189727042**
> Option 2 ID : **75189727044**
> Option 3 ID : **75189727041**
> Option 4 ID : **75189727043**
> Status : **Answered**
> Chosen Option : **1**

Q.16 Pesticides, though non-biodegradable, are both beneficial and harmful for agriculture. Select the INCORRECT option regarding pesticides.

Ans ✘ 1. They reduce plant growth

✘ 2.

They reduce chlorophyll content of the plant and hence affect photosynthesis

✘ 3.

They alter nitrogen metabolism, so less protein content in plants

✔ 4. They are used to control weeds, pests and plant diseases

> Question ID : **7518974680**
> Option 1 ID : **75189718718**
> Option 2 ID : **75189718717**
> Option 3 ID : **75189718719**
> Option 4 ID : **75189718720**
> Status : **Answered**
> Chosen Option : **1**

Q.17 In amoeba, the food is taken by the _____.

Ans
- ✅ 1. entire body surface area
- ❌ 2. movement of cilia
- ❌ 3. movement of flagella
- ❌ 4. mouth

Question ID : **7518974380**
Option 1 ID : **75189717520**
Option 2 ID : **75189717519**
Option 3 ID : **75189717518**
Option 4 ID : **75189717517**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.18 Two metallic wires A and B are made of the same material. Wire A has length l and radius r while wire B has length 2l and radius 2r. The ratio of the resistance of wire A to that of wire B is:

Ans
- ❌ 1. 1 : 2
- ✅ 2. 2 : 1
- ❌ 3. 1 : 4
- ❌ 4. 4 : 1

Question ID : **7518975471**
Option 1 ID : **75189721881**
Option 2 ID : **75189721882**
Option 3 ID : **75189721883**
Option 4 ID : **75189721884**
Status : **Answered**
Chosen Option : **2**

Q.19 How many such pairs of letters are there in the word 'DEVELOP' (in both forward and backward directions) each of which have as many letters between them in the word as there are in the English alphabetical order?

Ans
- ❌ 1. 1
- ❌ 2. 4
- ❌ 3. 3
- ✅ 4. 2

Question ID : **7518974981**
Option 1 ID : **75189719921**
Option 2 ID : **75189719924**
Option 3 ID : **75189719923**
Option 4 ID : **75189719922**
Status : **Answered**
Chosen Option : **4**

Q.20 The headquarters of Central Institute of Indian Languages (CIIL) is situated in _____.

Ans

✗ 1. Pondicherry

✗ 2. Bengaluru

✓ 3. Mysuru

✗ 4. Chennai

Question ID : **7518977190**
Option 1 ID : **75189728759**
Option 2 ID : **75189728757**
Option 3 ID : **75189728758**
Option 4 ID : **75189728760**
Status : **Answered**
Chosen Option : **3**

Q.21 How many such pairs of letters are there in the word 'ABILITY' (in both forward and backward directions) each of which have as many letters between them in the word as there are in the English alphabetical order?

Ans

✓ 1. 1

✗ 2. 2

✗ 3. 4

✗ 4. 3

Question ID : **7518974982**
Option 1 ID : **75189719925**
Option 2 ID : **75189719926**
Option 3 ID : **75189719928**
Option 4 ID : **75189719927**
Status : **Answered**
Chosen Option : **1**

Q.22 A ray of light bends towards the normal while travelling from medium A to medium B. Which of the following statements is/are correct?

(A) Medium A is optically denser than medium B.

(B) Speed of light is more in medium A than medium B.

(C) Refractive index of medium B is more than refractive index of medium A.

Ans

✗ 1. Both A and C

✗ 2. A, B and C

✗ 3. Both A and B

✓ 4. Both B and C

Question ID : **7518975398**
Option 1 ID : **75189721591**
Option 2 ID : **75189721592**
Option 3 ID : **75189721589**
Option 4 ID : **75189721590**
Status : **Answered**
Chosen Option : **4**

Q.23

Which of the following parallels of latitude is INCORRECTLY matched with its location?

Ans

✗ 1. Arctic Circle - North of the Equator

✔ 2. Tropic of Capricorn - Eastern Hemisphere

✗ 3. Tropic of Cancer - North Hemisphere

✗ 4. Antarctic Circle - South of the Equator

Question ID : **7518973887**
Option 1 ID : **75189715547**
Option 2 ID : **75189715546**
Option 3 ID : **75189715545**
Option 4 ID : **75189715548**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.24 There are four prime numbers taken in ascending order. The product of the first three prime numbers is 1771 and the sum of the last two prime numbers is 82. What is the product of the last two prime numbers?

Ans ✗ 1. 1387

✗ 2. 1127

✗ 3. 1537

✔ 4. 1357

Question ID : **7518976246**
Option 1 ID : **75189724984**
Option 2 ID : **75189724983**
Option 3 ID : **75189724982**
Option 4 ID : **75189724981**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.25 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

P_TP_S_CT_RSPC_PR_P_T_RS

Ans ✗ 1. CSPCRPTP

✗ 2. CRPCSPPT

✗ 3. CCPPPRST

✔ 4. CRPPTSCP

Question ID : **7518977342**
Option 1 ID : **75189729365**
Option 2 ID : **75189729368**
Option 3 ID : **75189729367**
Option 4 ID : **75189729366**
Status : **Answered**
Chosen Option : **4**

Q.26 Every year, which day is observed as the 'Minorities Rights Day' to uphold the right to freedom and equal opportunities for the ethnic minorities in India and create awareness about the respect and dignity of the minorities?

Ans ✗ 1. 27 February

✗ 2. 29 August

✔ 3. 18 December

✗ 4. 25 December

Question ID : **7518976781**
Option 1 ID : **75189727121**
Option 2 ID : **75189727122**
Option 3 ID : **75189727123**
Option 4 ID : **75189727124**
Status : **Answered**
Chosen Option : **3**

Q.27 Five persons, A, B, C, D and E, are sitting in a straight line. All are facing the north direction. D sits to the immediate left of A. Only two persons are sitting between D and B. C sits second from the extreme right end of the line. Only two persons are sitting between C and E. Who is sitting to the immediate right of E?

Ans ✔ 1. D

✗ 2. A

✗ 3. C

✗ 4. B

Question ID : **7518975139**
Option 1 ID : **75189720556**
Option 2 ID : **75189720553**
Option 3 ID : **75189720555**
Option 4 ID : **75189720554**
Status : **Answered**
Chosen Option : **1**

Q.28 An object, 3.0 cm in height, is placed at a distance of 20.0 cm in front of a convex mirror of focal length 6.0 cm, on its principal axis. Its image has a height of _____ and is _____.

Ans ✗ 1. more than 3.0 cm, inverted

✗ 2. less than 3.0 cm, inverted

✗ 3. more than 3.0 cm, erect

✓ 4. less than 3.0 cm, erect

Question ID : **7518976587**
Option 1 ID : **75189726348**
Option 2 ID : **75189726347**
Option 3 ID : **75189726346**
Option 4 ID : **75189726345**
Status : **Answered**
Chosen Option : **4**

Q.29 With which sport is the Rovers Cup associated?

Ans ✗ 1. Hockey

✗ 2. Cricket

✓ 3. Football

✗ 4. Rowing

Question ID : **7518977139**
Option 1 ID : **75189728554**
Option 2 ID : **75189728553**
Option 3 ID : **75189728555**
Option 4 ID : **75189728556**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.30 Which of the following numbers will replace the question mark (?) in the given series?

23, 31, 95, 311, ?

Ans ✓ 1. 823

✗ 2. 818

✗ 3. 876

✗ 4. 832

Question ID : **7518977391**
Option 1 ID : **75189729562**
Option 2 ID : **75189729563**
Option 3 ID : **75189729564**
Option 4 ID : **75189729561**
Status : **Answered**
Chosen Option : **1**

Q.31 The Modern Periodic Table has _____ groups and _____ periods.

Ans
- ✗ 1. 18, 6
- ✔ 2. 18, 7
- ✗ 3. 18, 5
- ✗ 4. 17, 8

Question ID : **7518973716**
Option 1 ID : **75189714863**
Option 2 ID : **75189714861**
Option 3 ID : **75189714864**
Option 4 ID : **75189714862**
Status : **Answered**
Chosen Option : **2**

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

8, 17, 33, 63, 114, 193, ?

Ans
- ✗ 1. 370
- ✗ 2. 347
- ✗ 3. 377
- ✔ 4. 307

Question ID : **7518977383**
Option 1 ID : **75189729529**
Option 2 ID : **75189729532**
Option 3 ID : **75189729530**
Option 4 ID : **75189729531**
Status : **Answered**
Chosen Option : **4**

Q.33 A train is moving in from north to south direction. It overtakes Raj and Madhur who are walking in the same direction at the rate of 2 km/h and 4 km/h in 9 sec and 10 sec, respectively. If the train is x metres long, find the value of x.

Ans
- ✗ 1. 90
- ✗ 2. 30
- ✔ 3. 50
- ✗ 4. 70

Question ID : **7518975651**
Option 1 ID : **75189722601**
Option 2 ID : **75189722604**
Option 3 ID : **75189722603**
Option 4 ID : **75189722602**
Status : **Answered**
Chosen Option : **3**

Q.34 Which of the following excretory products is stored in the old xylem of the plants?

Ans
  ✗ 1. Morphin

  ✗ 2. Carbon dioxide

  ✗ 3. Citric acid

  ✓ 4. Resin

> Question ID : **7518974358**
> Option 1 ID : **75189717430**
> Option 2 ID : **75189717431**
> Option 3 ID : **75189717432**
> Option 4 ID : **75189717429**
> Status : **Not Answered**
> Chosen Option : **--**

Q.35 In how much time will a sum of money double itself at 10 per cent per annum rate of simple interest?

Ans
  ✗ 1. 8 years

  ✗ 2. 12 years

  ✗ 3. 5 years

  ✓ 4. 10 years

> Question ID : **7518975615**
> Option 1 ID : **75189722458**
> Option 2 ID : **75189722459**
> Option 3 ID : **75189722460**
> Option 4 ID : **75189722457**
> Status : **Answered**
> Chosen Option : **4**

Q.36 According to the Constitution of India, in which of the following matters can only Union Legislature make laws?

Ans
  ✗ 1. Trade and Commerce

  ✗ 2. Agriculture

  ✓ 3. Post and Telegram

  ✗ 4. Prison

> Question ID : **7518977276**
> Option 1 ID : **75189729102**
> Option 2 ID : **75189729103**
> Option 3 ID : **75189729104**
> Option 4 ID : **75189729101**
> Status : **Not Attempted and Marked For Review**
> Chosen Option : **--**

Q.37 The following table shows the break-up of the costs (in ₹) incurred by a company in the production of five products, A to E. Study the table and answer the question.

Product	A	B	C	D	E
Raw material	400	200	700	300	400
Manufacturing	80	40	150	80	100
Advertisement	180	70	200	170	200
Labour	200	180	400	140	250
Miscellaneous	40	10	50	10	50
Total cost	900	500	1500	700	1000

Which of the following products has the maximum manufacturing cost in comparison to its total cost of production?

Ans ✔ 1. D

✘ 2. A

✘ 3. B

✘ 4. C

Question ID : **7518977433**
Option 1 ID : **75189729732**
Option 2 ID : **75189729729**
Option 3 ID : **75189729730**
Option 4 ID : **75189729731**
Status : **Answered**
Chosen Option : **1**

Q.38 The value of $-48 \div [4 \times (6 - 5 + 1)] \div 24 =$

Ans ✘ 1. 12

✔ 2. $-\dfrac{1}{4}$

✘ 3. -9

✘ 4. $-\dfrac{7}{4}$

Question ID : **7518975553**
Option 1 ID : **75189722209**
Option 2 ID : **75189722212**
Option 3 ID : **75189722210**
Option 4 ID : **75189722211**
Status : **Answered**
Chosen Option : **2**

Q.39 Simplify $\sqrt{729} - \sqrt{400}$.

Ans ✗ 1. 6

✗ 2. 8

✗ 3. 5

✔ 4. 7

Question ID : **7518975798**
Option 1 ID : **75189723190**
Option 2 ID : **75189723192**
Option 3 ID : **75189723189**
Option 4 ID : **75189723191**
Status : **Answered**
Chosen Option : **4**

Q.40 In this question, a statement is followed by four conclusions. Find out which conclusion is true based on the given statement.

Statement:

$Q = R > S \leq T < U > V = Z$

Conclusions:

1. $U > S$

2. $Q < T$

3. $S < V$

4. $Z > U$

Ans ✗ 1. 4

✔ 2. 1

✗ 3. 2

✗ 4. 3

Question ID : **7518977332**
Option 1 ID : **75189729328**
Option 2 ID : **75189729325**
Option 3 ID : **75189729326**
Option 4 ID : **75189729327**
Status : **Answered**
Chosen Option : **2**

Q.41 The average age of Raj and his sister is 8 years. If Raj's age is 10 years, then find the age of his sister.

Ans

✗ 1. 7 years

✗ 2. 9 years

✓ 3. 6 years

✗ 4. 8 years

Question ID : **7518975938**
Option 1 ID : **75189723750**
Option 2 ID : **75189723752**
Option 3 ID : **75189723751**
Option 4 ID : **75189723749**
Status : **Answered**
Chosen Option : **3**

Q.42 Find the fourth proportional of $4a + 7, 11a + 3$ and $6a$, if $a = 2$.

Ans

✓ 1. 20

✗ 2. 15

✗ 3. 30

✗ 4. 25

Question ID : **7518976063**
Option 1 ID : **75189724250**
Option 2 ID : **75189724249**
Option 3 ID : **75189724252**
Option 4 ID : **75189724251**
Status : **Answered**
Chosen Option : **1**

Q.43 As per the Ministry of New And Renewable Energy, which state has the highest wind power potential as on March 2021?

Ans

✗ 1. Rajasthan

✗ 2. Tamil Nadu

✗ 3. Karnataka

✓ 4. Gujarat

Question ID : **7518973900**
Option 1 ID : **75189715599**
Option 2 ID : **75189715598**
Option 3 ID : **75189715600**
Option 4 ID : **75189715597**
Status : **Answered**
Chosen Option : **2**

Q.44 Crop production does NOT involve considerable costs on which of the following?

Ans
   ✗ 1. Costs on seeds

   ✗ 2. Costs on pesticides

   ✗ 3. Costs on fertilizers

   ✔ 4. Costs on animal food

Question ID : **7518974055**
Option 1 ID : **75189716217**
Option 2 ID : **75189716219**
Option 3 ID : **75189716218**
Option 4 ID : **75189716220**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.45 Sardar Sarovar Dam was constructed in Gujarat over the _____.

Ans
   ✗ 1. Ganga River

   ✗ 2. Sutlej River

   ✔ 3. Narmada River

   ✗ 4. Mahanadi River

Question ID : **7518974501**
Option 1 ID : **75189718001**
Option 2 ID : **75189718004**
Option 3 ID : **75189718003**
Option 4 ID : **75189718002**
Status : **Answered**
Chosen Option : **3**

Q.46 Four different experiments were conducted by students of Class X.

I. Navin took a beaker containing some aqueous solution of $CuSO_4$ and added a piece of magnesium strip in it.

II. Ayush took a beaker containing some aqueous solution of $CuSO_4$ and added some platinum pieces in it.

III. Sneha took a beaker containing some aqueous solution $CuSO_4$ and added some copper turnings in it.

IV. Akriti took a beaker containing some aqueous solution $CuSO_4$ and added a piece of silver wire in it.

Who among them was able to perform a displacement reaction?

Ans
   ✗ 1. Ayush

   ✗ 2. Sneha

   ✔ 3. Navin

   ✗ 4. Akriti

Question ID : **7518973434**
Option 1 ID : **75189713733**
Option 2 ID : **75189713736**
Option 3 ID : **75189713734**
Option 4 ID : **75189713735**
Status : **Answered**
Chosen Option : **3**

Q.47 Sujlam started from a point facing towards the west, turned left and walked for 10 m, then turned right and walked for 12 m, then turned left and walked for 11 m, and then turned left again at point P and walked for 17 m. Prior to turning left at point P, he was facing in which direction?

(All turns are 90 degree turns only)

Ans
   ✗ 1. West

   ✔ 2. South

   ✗ 3. East

   ✗ 4. North

Question ID : **7518974844**
Option 1 ID : **75189719374**
Option 2 ID : **75189719376**
Option 3 ID : **75189719373**
Option 4 ID : **75189719375**
Status : **Answered**
Chosen Option : **2**

Q.48 In a certain code language, MUTINY is written as 25149202113 and MAGIC is written as 397113. How will NECTAR be written in the same language?

Ans ✗ 1. 182103513

✓ 2. 181203514

✗ 3. 182203614

✗ 4. 191253014

Question ID : **7518975247**
Option 1 ID : **75189720987**
Option 2 ID : **75189720988**
Option 3 ID : **75189720986**
Option 4 ID : **75189720985**
Status : **Answered**
Chosen Option : **2**

Q.49 Which structure is responsible for maintaining the amount of water in amoeba?

Ans ✗ 1. Plasma membrane

✗ 2. Food vacuole

✓ 3. Contractile vacuole

✗ 4. Cytoplasm

Question ID : **7518974604**
Option 1 ID : **75189718413**
Option 2 ID : **75189718415**
Option 3 ID : **75189718414**
Option 4 ID : **75189718416**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.50 Based on the given statement, four conclusions are drawn. Find out which conclusion is NOT true based on the statement.

Statement: $B > F \geq P > L = K \leq W < M$

Ans ✗ 1. $B > L$

✓ 2. $P = K$

✗ 3. $F > K$

✗ 4. $L < M$

Question ID : **7518974770**
Option 1 ID : **75189719080**
Option 2 ID : **75189719079**
Option 3 ID : **75189719078**
Option 4 ID : **75189719077**
Status : **Answered**
Chosen Option : **2**

Q.51 Simplify:

$$(1.5a^2 - 2.5b^2)(1.5a^2 + 2.5b^2) + 6.25ab$$

Ans ✗ 1. $2.25a^4 - 6.25b^4$

✗ 2. $2.25a^4 - 6.5b^4 + 6.25ab$

✗ 3. $2.5a^4 - 6.25b^4 + 6.25ab$

✔ 4. $2.25a^4 - 6.25b^4 + 6.25ab$

Question ID : **7518975696**
Option 1 ID : **75189722784**
Option 2 ID : **75189722783**
Option 3 ID : **75189722782**
Option 4 ID : **75189722781**
Status : **Answered**
Chosen Option : **4**

Q.52 What type of political party system does India have?

Ans ✗ 1. Three-party system

✗ 2. Two-party system

✗ 3. One-party system

✔ 4. Multi-party system

Question ID : **7518976562**
Option 1 ID : **75189726247**
Option 2 ID : **75189726246**
Option 3 ID : **75189726245**
Option 4 ID : **75189726248**
Status : **Answered**
Chosen Option : **4**

Q.53 What will come in the place of the question mark (?) in the following equation if '+' and '−' are interchanged and also '×' and '÷' are interchanged?

$$12 - 104 \times 8 + 5 \div 4 = ?$$

Ans ✗ 1. 7

✗ 2. 11

✔ 3. 5

✗ 4. 9

Question ID : **7518977423**
Option 1 ID : **75189729690**
Option 2 ID : **75189729692**
Option 3 ID : **75189729689**
Option 4 ID : **75189729691**
Status : **Answered**
Chosen Option : **3**

Q.54 Babu took some quantity of dilute nitric acid in a test tube and heated the test tube at 70°C for about 10 minutes. What was its effect on the pH of nitric acid?

Ans

✗ 1. It remained constant

✗ 2. It first increased and then decreased

✗ 3. It rose up

✔ 4. It decreased

Question ID : **7518973465**
Option 1 ID : **75189713859**
Option 2 ID : **75189713860**
Option 3 ID : **75189713857**
Option 4 ID : **75189713858**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.55 In this question, a group of letters is coded using numbers as per the table given below and the conditions which follow. The correct combination of codes following the conditions is your answer.
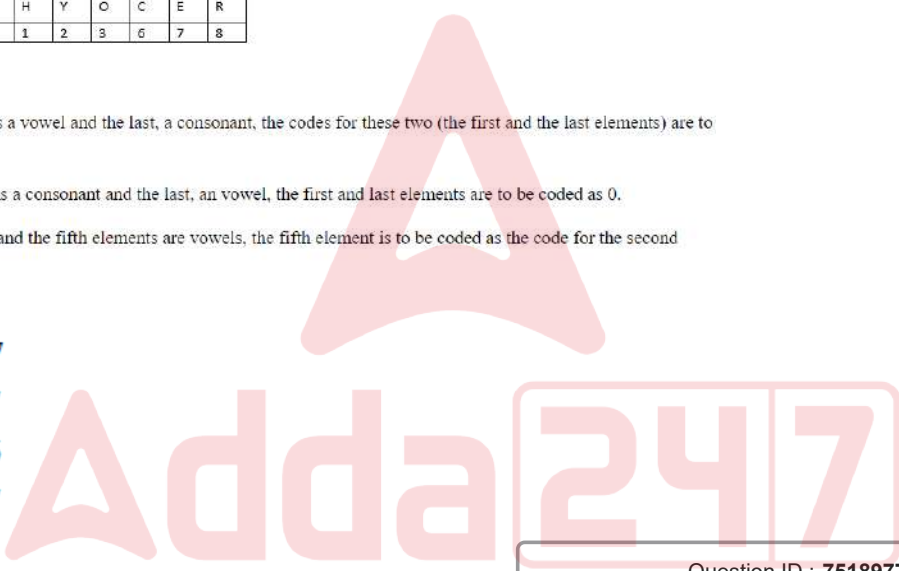
Letter/Symbol	I	L	M	H	Y	O	C	E	R
Code	4	5	9	1	2	3	6	7	8

Conditions:

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

(ii) If the first element is a consonant and the last, an vowel, the first and last elements are to be coded as 0.

(iii) If both the second and the fifth elements are vowels, the fifth element is to be coded as the code for the second element and vice-versa.

Question: EICHER

Ans

✔ 1. 876147

✗ 2. 814767

✗ 3. 877416

✗ 4. 876417

Question ID : **7518977365**
Option 1 ID : **75189729459**
Option 2 ID : **75189729458**
Option 3 ID : **75189729460**
Option 4 ID : **75189729457**
Status : **Answered**
Chosen Option : **1**

Q.56 According to Dobereiner, _____.

Ans ✗ 1.
the sum of atomic masses of the first and the third elements of the triad is equal to that of the second element

✓ 2.
the arithmetical mean of the atomic masses of the first and the third elements of the triad is equal to that of the second one

✗ 3.
the arithmetical mean of the atomic masses of the second and the third elements of the triad is equal to that of the first one

✗ 4.
the sum of atomic masses of the first and the second elements of the triad is equal to that of the third element

Question ID : **7518973500**
Option 1 ID : **75189713999**
Option 2 ID : **75189714000**
Option 3 ID : **75189713998**
Option 4 ID : **75189713997**
Status : **Answered**
Chosen Option : **2**

Q.57 If the selling price of an almirah is doubled, profit is tripled. Find the profit percentage.

Ans ✗ 1. 25%

✗ 2. 10%

✗ 3. 50%

✓ 4. 100%

Question ID : **7518975625**
Option 1 ID : **75189722498**
Option 2 ID : **75189722497**
Option 3 ID : **75189722499**
Option 4 ID : **75189722500**
Status : **Answered**
Chosen Option : **3**

Q.58 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.)

(5, 21, 2)

(7, 33, 4)

Ans ✗ 1. (11, 24, 3)

✗ 2. (6, 40, 8)

✔ 3. (8, 51, 9)

✗ 4. (10, 93, 3)

Question ID : **7518977401**
Option 1 ID : **75189729602**
Option 2 ID : **75189729603**
Option 3 ID : **75189729601**
Option 4 ID : **75189729604**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.59 As per Article 243B of the Indian Constitution, Panchayats at the intermediate level may NOT be constituted in a State having a population not exceeding _____.

Ans ✗ 1. 25 lakhs

✔ 2. 20 lakhs

✗ 3. 5 lakhs

✗ 4. 10 lakhs

Question ID : **7518974304**
Option 1 ID : **75189717216**
Option 2 ID : **75189717215**
Option 3 ID : **75189717213**
Option 4 ID : **75189717214**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.60 What is the theme selected by RBI as the 2022 theme for Financial Literacy week?

Ans

✗ 1. Credit Discipline and Credit from Formal Institutions

✗ 2. Micro, Small and Medium Enterprises

✓ 3. Go Digital, Go Secure

✗ 4. Farmers

Question ID : **7518973865**
Option 1 ID : **75189715457**
Option 2 ID : **75189715460**
Option 3 ID : **75189715458**
Option 4 ID : **75189715459**
Status : **Not Answered**
Chosen Option : **--**

Q.61 Where did the first Green Hydrogen Microgrid Project start in 2021?

Ans ✗ 1. Tamil Nadu

✗ 2. Maharashtra

✓ 3. Andhra Pradesh

✗ 4. Kerala

Question ID : **7518974148**
Option 1 ID : **75189716591**
Option 2 ID : **75189716589**
Option 3 ID : **75189716590**
Option 4 ID : **75189716592**
Status : **Not Answered**
Chosen Option : **--**

Q.62 Five students - 1, 2, 3, 4 and 5 - are sitting around a circular table facing the centre. 4 is sitting to the immediate right of 1 and immediate left of 2. 5 is sitting second to the left of 1. Which of the following statements is true?

Ans ✔ 1. 3 is sitting between 5 and 1.

✘ 2. 1 is the immediate neighbour of 5.

✘ 3. 2 is sitting between 4 and 1.

✘ 4. 5 is sitting third to the right of 3.

Question ID : **7518977290**
Option 1 ID : **75189729159**
Option 2 ID : **75189729158**
Option 3 ID : **75189729160**
Option 4 ID : **75189729157**
Status : **Answered**
Chosen Option : **1**

Q.63 _____ played a major role in the revival of Hinduism and the spread of his interpretation of Advaita Vedanta known as 'Neo-Vedanta' in the West.

Ans ✔ 1. Swami Vivekananda

✘ 2. Sri Ramkrishna Paramhansa

✘ 3. Swami Dayanand

✘ 4. Samrat Ashoka

Question ID : **7518974199**
Option 1 ID : **75189716793**
Option 2 ID : **75189716796**
Option 3 ID : **75189716794**
Option 4 ID : **75189716795**
Status : **Answered**
Chosen Option : **1**

Q.64 Pole E is to the north of pole U and east of pole R. Pole N is to the west of pole U and east of pole I. Pole J is to the south of pole I. What is the position of pole R with respect to pole U?

Ans ✔ 1. North-west

✘ 2. South

✘ 3. North

✘ 4. South-west

Question ID : **7518977369**
Option 1 ID : **75189729476**
Option 2 ID : **75189729474**
Option 3 ID : **75189729473**
Option 4 ID : **75189729475**
Status : **Answered**
Chosen Option : **1**

Q.65 What is the similarity between fermentation in yeast and anaerobic respiration taking place in muscle cells of humans?

Ans

✗ 1. Lactic acid is formed

✓ 2. Take place in Cytoplasm

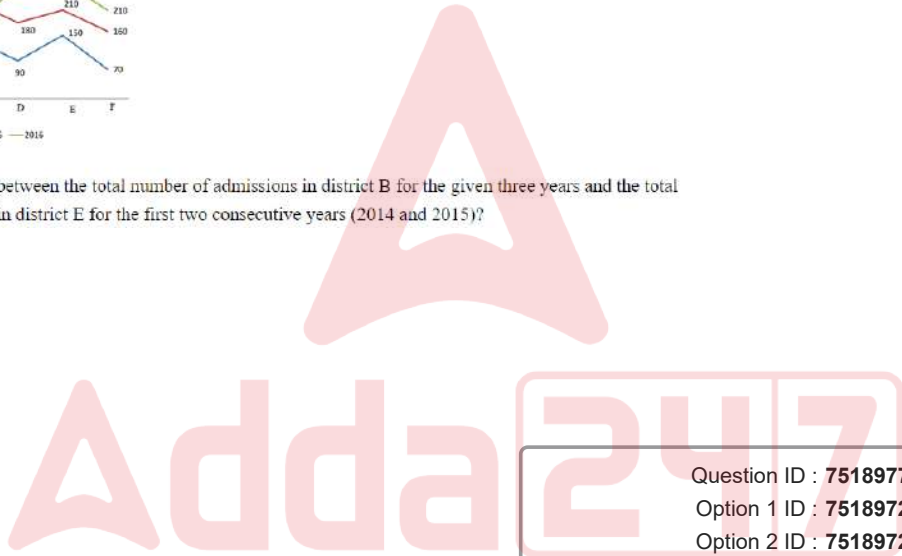✗ 3. Ethanol is formed

✗ 4. Take place in mitochondria

> Question ID : **7518974532**
> Option 1 ID : **75189718128**
> Option 2 ID : **75189718126**
> Option 3 ID : **75189718127**
> Option 4 ID : **75189718125**
> Status : **Not Attempted and Marked For Review**
> Chosen Option : **--**

Q.66 The following line graph shows the number of admissions of students (in thousands) in six different districts, A, B, C, D, E and F, in three consecutive years, 2014, 2015 and 2016. Study the graph and answer the question.

What is the difference between the total number of admissions in district B for the given three years and the total number of admissions in district E for the first two consecutive years (2014 and 2015)?

Ans

✓ 1. 20

✗ 2. 40

✗ 3. 80

✗ 4. 25

> Question ID : **7518977424**
> Option 1 ID : **75189729694**
> Option 2 ID : **75189729695**
> Option 3 ID : **75189729693**
> Option 4 ID : **75189729696**
> Status : **Answered**
> Chosen Option : **1**

Q.67 An amount is divided between two friends in the ratio 2 : 5. If the second part is ₹6 more than the first, then the initial amount is:

Ans

✗ 1. ₹13

✗ 2. ₹12

✗ 3. ₹23

✓ 4. ₹14

Question ID : **7518975707**
Option 1 ID : **75189722827**
Option 2 ID : **75189722825**
Option 3 ID : **75189722828**
Option 4 ID : **75189722826**
Status : **Answered**
Chosen Option : **4**

Q.68 In a queue of boys, there are exactly 8 boys standing between Suraj and Bheem. Suraj is 21st from the front, while Bheem is at the first position from the back. How many total boys are there in the queue?

Ans

✗ 1. 32

✗ 2. 31

✗ 3. 29

✓ 4. 30

Question ID : **7518974721**
Option 1 ID : **75189718884**
Option 2 ID : **75189718882**
Option 3 ID : **75189718881**
Option 4 ID : **75189718883**
Status : **Answered**
Chosen Option : **4**

Q.69 If '+' means '−', '−' means '×', '×' means '÷' and '÷' means '+', what will come in place of the question mark (?) in the following equation?

$28 − 2 + 80 \times 5 \div 14 = ?$

Ans

✓ 1. 54

✗ 2. 25

✗ 3. 52

✗ 4. 45

Question ID : **7518977416**
Option 1 ID : **75189729662**
Option 2 ID : **75189729663**
Option 3 ID : **75189729661**
Option 4 ID : **75189729664**
Status : **Answered**
Chosen Option : **1**

Q.70 A 250-metre long train running at a speed of 100 km/h crosses another train coming from the opposite direction at a speed of 62 km/h in 10 seconds. What is the length of the second train?

Ans
✗ 1. 240 metres
✗ 2. 270 metres
✗ 3. 230 metres
✓ 4. 200 metres

Question ID : **7518976092**
Option 1 ID : **75189724368**
Option 2 ID : **75189724367**
Option 3 ID : **75189724365**
Option 4 ID : **75189724366**
Status : **Answered**
Chosen Option : **4**

Q.71 Who was the founder of the social reform movement for Sikhism - the Nirankari movement?

Ans
✗ 1. Baba Balak Singh
✗ 2. Baba Gurmeet Dev
✗ 3. Shri Sohan Singh
✓ 4. Baba Dyal Das

Question ID : **7518974174**
Option 1 ID : **75189716694**
Option 2 ID : **75189716695**
Option 3 ID : **75189716693**
Option 4 ID : **75189716696**
Status : **Not Answered**
Chosen Option : **--**

Q.72 The angles of a quadrilateral are in the ratio 2: 5: 7: 10. Find the difference between the greatest and the smallest angles of the quadrilateral.

Ans
✓ 1. 120º
✗ 2. 50º
✗ 3. 60º
✗ 4. 180º

Question ID : **7518976209**
Option 1 ID : **75189724835**
Option 2 ID : **75189724834**
Option 3 ID : **75189724833**
Option 4 ID : **75189724836**
Status : **Answered**
Chosen Option : **1**

Q.73 If a and b are the roots of $x^2 - x - 12 = 0$, and $a > b$, then the quadratic equation in x whose roots are $(2a - 1)$ and $(2b + 1)$ is:

Ans

✗ 1. $x^2 - 4x + 45 = 0$

✗ 2. $x^2 - 4x - 45 = 0$

✗ 3. $x^2 - 2x + 35 = 0$

✔ 4. $x^2 - 2x - 35 = 0$

Question ID : **7518976352**
Option 1 ID : **75189725408**
Option 2 ID : **75189725407**
Option 3 ID : **75189725405**
Option 4 ID : **75189725406**
Status : **Answered**
Chosen Option : **4**

Q.74

How many times has The Factory Act been amended as on June 2022?

Ans

✗ 1. 9

✗ 2. 5

✗ 3. 4

✔ 4. 8

Question ID : **7518973877**
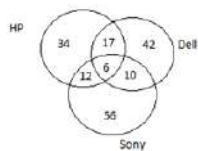Option 1 ID : **75189715505**
Option 2 ID : **75189715506**
Option 3 ID : **75189715508**
Option 4 ID : **75189715507**
Status : **Not Answered**
Chosen Option : **--**

Q.75 Study the given diagram carefully and answer the following question. The numbers in different sections indicate the number of persons using different brands of laptop in an IT office.

How many people use both Sony and Dell laptops?

Ans
✗ 1. 6

✔ 2. 16

✗ 3. 10

✗ 4. 20

Question ID : **7518974944**
Option 1 ID : **75189719773**
Option 2 ID : **75189719775**
Option 3 ID : **75189719774**
Option 4 ID : **75189719776**
Status : **Answered**
Chosen Option : **2**

Q.76 Simplify: $(1 + \tan^2 \theta)(1 - \sin \theta)(1 + \sin \theta)$.

Ans
✔ 1. 1

✗ 2. 0

✗ 3. 2

✗ 4. -1

Question ID : **7518976000**
Option 1 ID : **75189723999**
Option 2 ID : **75189723998**
Option 3 ID : **75189724000**
Option 4 ID : **75189723997**
Status : **Answered**
Chosen Option : **1**

Q.77 Find the third proportional of 18 and 54.

Ans
✗ 1. 172

✗ 2. 144

✔ 3. 162

✗ 4. 121

Question ID : **7518976060**
Option 1 ID : **75189724240**
Option 2 ID : **75189724238**
Option 3 ID : **75189724239**
Option 4 ID : **75189724237**
Status : **Answered**
Chosen Option : **3**

Q.78 In January 2022, with which university did Jio sign a pact for undertaking research and standardisation related activities in 6G technology?

Ans

✗ 1. Barcelona Institute of Science and Technology

✗ 2. Canadian Institute of Health Research

✗ 3. Indian Institute of Science Bengaluru

✔ 4. University of Oulu, Finland

Question ID : **7518973780**
Option 1 ID : **75189715120**
Option 2 ID : **75189715117**
Option 3 ID : **75189715118**
Option 4 ID : **75189715119**
Status : **Answered**
Chosen Option : **4**

Q.79 In Munnar, a travel company has three 4-seater cars and two 8-seater maxi cabs. The rate of each passenger for a round trip in a car is ₹25 and for a round trip in a maxi cab is ₹20. The average occupancy of the seats is 100%. What is the average earning of each vehicle for one round trip?

Ans

✗ 1. ₹125

✗ 2. ₹126

✔ 3. ₹124

✗ 4. ₹127

Question ID : **7518976306**
Option 1 ID : **75189725223**
Option 2 ID : **75189725222**
Option 3 ID : **75189725224**
Option 4 ID : **75189725221**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.80 The Central Bank of Zimbabwe has been lowering rate of interests of the economy to boost growth. The bank is being _____ in its monetary policy stance.

Ans ✗ 1. Neutral

✗ 2. hawkish

✓ 3. dovish

✗ 4. Accommodative

Question ID : **7518976818**
Option 1 ID : **75189727272**
Option 2 ID : **75189727270**
Option 3 ID : **75189727269**
Option 4 ID : **75189727271**
Status : **Not Answered**
Chosen Option : **--**

Q.81 Find the approximate angle between the minute hand and the hour hand of a 12-hour clock when the time is 9:25.

Ans ✗ 1. 150 degrees

✗ 2. 190 degrees

✗ 3. 100 degrees

✓ 4. 130 degrees

Question ID : **7518976769**
Option 1 ID : **75189727074**
Option 2 ID : **75189727075**
Option 3 ID : **75189727076**
Option 4 ID : **75189727073**
Status : **Answered**
Chosen Option : **3**

Q.82 Which form of carbon is used as a dry lubricant?

Ans ✗ 1. Coke

✗ 2. Coal

✗ 3. Diamond

✓ 4. Graphite

Question ID : **7518973377**
Option 1 ID : **75189713506**
Option 2 ID : **75189713505**
Option 3 ID : **75189713507**
Option 4 ID : **75189713508**
Status : **Answered**
Chosen Option : **4**

Q.83 Find the double of the lower limit of the modal class in the given data.

CI	100-110	110-120	120-130	130-140	140-150
F	12	15	32	34	22

Ans ✗ 1. 540

✗ 2. 280

✔ 3. 260

✗ 4. 68

Question ID : **7518975681**
Option 1 ID : **75189722724**
Option 2 ID : **75189722721**
Option 3 ID : **75189722723**
Option 4 ID : **75189722722**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.84 How many cylinders of radius 10 cm and height 20 cm can be filled with water from a cylinder of radius 20 cm and height 100 cm full of water?

Ans ✔ 1. 20

✗ 2. 30

✗ 3. 60

✗ 4. 40

Question ID : **7518976187**
Option 1 ID : **75189724745**
Option 2 ID : **75189724746**
Option 3 ID : **75189724748**
Option 4 ID : **75189724747**
Status : **Answered**
Chosen Option : **1**

Q.85 Chlorine gas reacts with potassium iodide solution to form potassium chloride and iodine. This reaction is an example of a:

Ans ✗ 1. decomposition reaction

✗ 2. combination reaction

✔ 3. displacement reaction

✗ 4. double displacement reaction

Question ID : **7518973583**
Option 1 ID : **75189714331**
Option 2 ID : **75189714329**
Option 3 ID : **75189714332**
Option 4 ID : **75189714330**
Status : **Answered**
Chosen Option : **3**

Q.86 The difference between two numbers is 42 and they are in the ratio 5 : 3. Find the smaller number.

Ans
- ✗ 1. 36
- ✗ 2. 105
- ✗ 3. 21
- ✓ 4. 63

Question ID : **7518975918**
Option 1 ID : **75189723670**
Option 2 ID : **75189723669**
Option 3 ID : **75189723672**
Option 4 ID : **75189723671**
Status : **Answered**
Chosen Option : **4**

Q.87 The S.I unit of resistivity is:

Ans
- ✗ 1. ohm/m
- ✗ 2. ohm
- ✗ 3. mho
- ✓ 4. ohm m

Question ID : **7518975461**
Option 1 ID : **75189721844**
Option 2 ID : **75189721841**
Option 3 ID : **75189721842**
Option 4 ID : **75189721843**
Status : **Answered**
Chosen Option : **4**

Q.88

National Women's Day is celebrated on which date in India?

Ans

✗ 1. 13 January

✗ 2. 23 January

✓ 3. 13 February

✗ 4. 23 February

Question ID : **7518973797**
Option 1 ID : **75189715185**
Option 2 ID : **75189715186**
Option 3 ID : **75189715187**
Option 4 ID : **75189715188**
Status : **Answered**
Chosen Option : **3**

Q.89 If a man bought 6 pencils for ₹5, and sold them at 5 pencils for ₹6, then the gain percentage is _____

Ans

✗ 1. 43%

✗ 2. 41%

✗ 3. 42%

✓ 4. 44%

Question ID : **7518975627**
Option 1 ID : **75189722506**
Option 2 ID : **75189722508**
Option 3 ID : **75189722507**
Option 4 ID : **75189722505**
Status : **Answered**
Chosen Option : **4**

Q.90 An object is placed at a distance of 30 cm in front of a concave mirror of focal length 15 cm. The image formed is:

Ans ✗ 1. virtual and inverted

✔ 2. real and inverted

✗ 3. virtual and erect

✗ 4. real and erect

Question ID : **7518976571**
Option 1 ID : **75189726284**
Option 2 ID : **75189726282**
Option 3 ID : **75189726283**
Option 4 ID : **75189726281**
Status : **Answered**
Chosen Option : **2**

Q.91 A, B, C, D, E, F and G want to play a video game they purchased together. Each will get it on one day of the same week starting from Monday and ending on Sunday. No one gets it on same day of the week. A will play on Sunday. D will play immediately before A. B will play immediately after E. E will play on Wednesday. C will not get it on Monday. F gets it on a day between B and D. On which day will G get to play?

Ans ✗ 1. Thursday

✗ 2. Friday

✔ 3. Monday

✗ 4. Saturday

Question ID : **7518974723**
Option 1 ID : **75189718890**
Option 2 ID : **75189718889**
Option 3 ID : **75189718891**
Option 4 ID : **75189718892**
Status : **Answered**
Chosen Option : **3**

Q.92 The Longest Moustache competition is held at which of the following festivals/fairs?

Ans ✗ 1. Kila Raipur Sports Festival

✗ 2. Hornbill Festival

✗ 3. Thrissur Pooram Festival

✔ 4. Pushkar Fair

Question ID : **7518977181**
Option 1 ID : **75189728724**
Option 2 ID : **75189728721**
Option 3 ID : **75189728723**
Option 4 ID : **75189728722**
Status : **Not Answered**
Chosen Option : **--**

Q.93 Consider the below statements and identify the correct answer.

Statement-I: The chemical formula for baking soda is $CaSO_4 \frac{1}{2} H_2O$.

Statement-II: Baking soda is used for making toys, materials for decoration and for making surfaces smooth

Ans ✗ 1. Statement-II is true, and Statement-I is false.

✗ 2. Both the statements are true.

✗ 3. Statement-I is true, and Statement-II is false.

✓ 4. Both the statements are false.

Question ID : **7518973673**
Option 1 ID : **75189714692**
Option 2 ID : **75189714689**
Option 3 ID : **75189714691**
Option 4 ID : **75189714690**
Status : **Answered**
Chosen Option : **4**

Q.94 Convert $0.2\overline{36}$ into a vulgar fraction.

Ans ✗ 1. $\frac{7}{33}$

✗ 2. $\frac{9}{44}$

✗ 3. $\frac{17}{66}$

✓ 4. $\frac{13}{55}$

Question ID : **7518976235**
Option 1 ID : **75189724940**
Option 2 ID : **75189724939**
Option 3 ID : **75189724937**
Option 4 ID : **75189724938**
Status : **Answered**
Chosen Option : **4**

Q.95 An object is placed on the principal axis of a convex lens of focal length 12 cm, at a distance of 18 cm. The magnification produced by the lens is _____ and the image is _____.

Ans ✗ 1. less than 1, inverted

✗ 2. less than 1, erect

✓ 3. more than 1, inverted

✗ 4. more than 1, erect

Question ID : **7518976629**
Option 1 ID : **75189726514**
Option 2 ID : **75189726513**
Option 3 ID : **75189726516**
Option 4 ID : **75189726515**
Status : **Answered**
Chosen Option : **2**

Q.96 Two resistors A and B have resistances 5 ohm and 10 ohm, respectively. If they are connected in series to a voltage source of 5 V. The ratio of power developed in resistor A to that of power developed in resistor B will be:

Ans

✗ 1. $4:1$
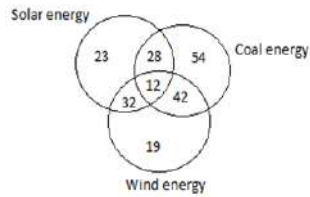
✔ 2. $1:2$

✗ 3. $1:4$

✗ 4. $2:1$

Question ID : **7518975499**
Option 1 ID : **75189721996**
Option 2 ID : **75189721993**
Option 3 ID : **75189721994**
Option 4 ID : **75189721995**
Status : **Answered**
Chosen Option : **4**

Q.97 Which of the following pairs of numbers is co-prime?

Ans

✔ 1. $(17, 23)$

✗ 2. $(14, 21)$

✗ 3. $(15, 25)$

✗ 4. $(12, 24)$

Question ID : **7518975814**
Option 1 ID : **75189723254**
Option 2 ID : **75189723253**
Option 3 ID : **75189723256**
Option 4 ID : **75189723255**
Status : **Answered**
Chosen Option : **1**

Q.98 Study the given diagram carefully and answer the following question. The numbers in different sections indicate the number of persons in a small village relying on different sources of energy for their daily needs.

How many people rely on both Solar energy and Coal energy?

Ans

  ✗ 1. 77

  ✔ 2. 40

  ✗ 3. 12

  ✗ 4. 28

Question ID : **7518974947**
Option 1 ID : **75189719787**
Option 2 ID : **75189719788**
Option 3 ID : **75189719786**
Option 4 ID : **75189719785**
Status : **Answered**
Chosen Option : **2**

Q.99 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.

13 : 96 :: 18 : 131 :: 14 : ?

Ans

  ✗ 1. 104

  ✗ 2. 100

  ✗ 3. 102

  ✔ 4. 103

Question ID : **7518977399**
Option 1 ID : **75189729596**
Option 2 ID : **75189729593**
Option 3 ID : **75189729594**
Option 4 ID : **75189729595**
Status : **Answered**
Chosen Option : **4**

Q.100 The radius and height of a cylinder are in the ratio 2 : 1 Find its total surface area if curved surface area is 616 m^2.

Ans

✗ 1. 908 m^2

✓ 2. 1848 m^2

✗ 3. 1232 m^2

✗ 4. 1512 m^2

Question ID : **7518975758**

Option 1 ID : **75189723029**

Option 2 ID : **75189723032**

Option 3 ID : **75189723031**

Option 4 ID : **75189723030**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**