RRB Group D

Previous Year Paper
2 Sept 2022 Shift 2

रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
सी ई एन आर आर सी - ०१/२०१९ - CEN RRC - 01/2019

Test Date	02/09/2022
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 Gandhiji founded Harijan Sevak Sangh in _____ to eradicate untouchability and uplift the depressed classes.

Ans ✗ 1. 1924

✔ 2. 1932

✗ 3. 1929

✗ 4. 1936

Question ID : **7518978518**
Option 1 ID : **75189734069**
Option 2 ID : **75189734072**
Option 3 ID : **75189734070**
Option 4 ID : **75189734071**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.2 _____, the first 'made in India' Petascale supercomputer that was deployed at IIT Roorkee in March 2022, has a supercomputing capacity of 1.66 Petaflops.

Ans ✔ 1. PARAM Ganga

✗ 2. PARAM Shakti

✗ 3. PARAM Yukti

✗ 4. PARAM Brahma

Question ID : **7518978493**
Option 1 ID : **75189733969**
Option 2 ID : **75189733971**
Option 3 ID : **75189733972**
Option 4 ID : **75189733970**
Status : **Answered**
Chosen Option : **4**

Q.3 A concave mirror is made from a section of the surface of a sphere of radius 18.0 cm. According to New Cartesian Sign Convention, its principal focus is located at x = _____ .

Ans ✗ 1. 18 cm

✗ 2. −18 cm

✔ 3. −9 cm

✗ 4. 9 cm

Question ID : **7518976594**
Option 1 ID : **75189726375**
Option 2 ID : **75189726373**
Option 3 ID : **75189726374**
Option 4 ID : **75189726376**
Status : **Answered**
Chosen Option : **3**

Q.4 The Planning Commission was set up on _____ and the plan era started from 1 April 1951 with the launching of the First Five-Year Plan (1951-56).

Ans ✗ 1. 1 March 1950

✗ 2. 26 January 1950

✗ 3. 15 August 1949

✔ 4. 15 March 1950

Question ID : **7518978894**
Option 1 ID : **75189735576**
Option 2 ID : **75189735573**
Option 3 ID : **75189735574**
Option 4 ID : **75189735575**
Status : **Not Answered**
Chosen Option : **--**

Q.5 According to India State Forest Survey Report 2021, the forest cover in India is _____ of the geographical area of the country.

Ans ✔ 1. 24.62%

✗ 2. 37.05%

✗ 3. 31.05%

✗ 4. 27.50%

Question ID : **7518979433**
Option 1 ID : **75189737729**
Option 2 ID : **75189737732**
Option 3 ID : **75189737730**
Option 4 ID : **75189737731**
Status : **Answered**
Chosen Option : **4**

Q.6 What is a possible reason for young females becoming teen mothers?

Ans ✗ 1. Females belonging to educated families

✗ 2. Good education to the females

✔ 3. Familial and societal pressure

✗ 4. Good support from family and society

> Question ID : **7518974632**
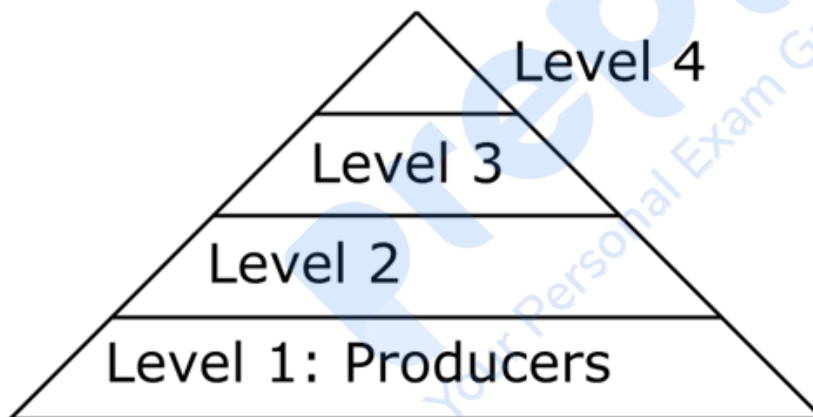> Option 1 ID : **75189718527**
> Option 2 ID : **75189718526**
> Option 3 ID : **75189718525**
> Option 4 ID : **75189718528**
> Status : **Answered**
> Chosen Option : **3**

Q.7 In the following figure, deer occupies _____.

Ans ✗ 1. Level 3

✔ 2. Level 2

✗ 3. Level 1

✗ 4. Level 4

> Question ID : **7518974460**
> Option 1 ID : **75189717839**
> Option 2 ID : **75189717838**
> Option 3 ID : **75189717837**
> Option 4 ID : **75189717840**
> Status : **Answered**
> Chosen Option : **2**

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Q.8 Find the values of b for which the quadratic equation $4x^2 + bx + 1 = 0$ has equal roots.

Ans
✗ 1. Only 4

✗ 2. -8 and 8

✔ 3. - 4 and 4

✗ 4. Only -4

Question ID : **7518976172**
Option 1 ID : **75189724686**
Option 2 ID : **75189724688**
Option 3 ID : **75189724685**
Option 4 ID : **75189724687**
Status : **Answered**
Chosen Option : **3**

Q.9 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.
B lives on an even numbered floor but not on floor number 4. Only two people live between B and E. D lives immediately below A. A lives on an even numbered floor. Neither D nor C live on the lowermost floor. Who lives on floor number 4?

Ans
✗ 1. F

✔ 2. A

✗ 3. C

✗ 4. E

Question ID : **7518978187**
Option 1 ID : **75189732748**
Option 2 ID : **75189732746**
Option 3 ID : **75189732745**
Option 4 ID : **75189732747**
Status : **Answered**
Chosen Option : **2**

Q.10 Read the given statement(s) and conclusions carefully and decide which of the conclusions logically follow(s) from the statement(s).

Statements:
$L \leq R < M \geq Q, N > Q \geq T$
Conclusions:
I. $N \geq M$
II. $Q \leq R$
III. $M > L$
IV. $N \geq L$

Ans
✔ 1. Only conclusion III follows

✗ 2. All conclusions I, II, III and IV follow

✗ 3. Only conclusions I and IV follow

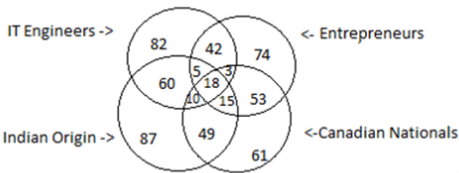✗ 4. Only conclusions III and IV follow

Question ID : **7518978973**
Option 1 ID : **75189735891**
Option 2 ID : **75189735892**
Option 3 ID : **75189735889**
Option 4 ID : **75189735890**
Status : **Answered**
Chosen Option : **1**

Q.11 In a code language, 'let's cook dinner' is written as 'li mu ha', 'dinner is late' is written as 'ha ve ka', and 'let's go out' is written as 'yo pa mu'. What is the code for the word 'cook' in that language?

Ans   ✔ 1. li
      ✘ 2. ha
      ✘ 3. ve
      ✘ 4. mu

Question ID : **7518977671**
Option 1 ID : **75189730684**
Option 2 ID : **75189730683**
Option 3 ID : **75189730681**
Option 4 ID : **75189730682**
Status : **Answered**
Chosen Option : **1**

Q.12 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.

IT Engineers -> 82 42 74 <- Entrepreneurs
60 5 3 18 15 53
40
Indian Origin -> 87 49 <-Canadian Nationals
61

How many Canadian nationals are there who are entrepreneurs of Indian origin but NOT IT engineers?

Ans   ✘ 1. 18
      ✘ 2. 36
      ✘ 3. 33
      ✔ 4. 15

Question ID : **7518977615**
Option 1 ID : **75189730457**
Option 2 ID : **75189730460**
Option 3 ID : **75189730459**
Option 4 ID : **75189730458**
Status : **Answered**
Chosen Option : **4**

Q.13 Refer to the following letter series and answer the question that follows.

(Left) A F R G H U I N H F W D C T V G Y J M K O Q (Right)

If every third letter in the above series is dropped, which letter would appear at the fifth place from the left?

Ans   ✘ 1. H
      ✘ 2. N
      ✘ 3. U
      ✔ 4. I

Question ID : **7518977978**
Option 1 ID : **75189731909**
Option 2 ID : **75189731910**
Option 3 ID : **75189731911**
Option 4 ID : **75189731912**
Status : **Answered**
Chosen Option : **4**

Q.14 Combustion of one methane gas molecule gives _____ carbon dioxide and _____ water molecules, respectively.

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

Question ID : **7518973417**
Option 1 ID : **75189713665**
Option 2 ID : **75189713668**
Option 3 ID : **75189713666**
Option 4 ID : **75189713667**
Status : **Not Attempted and Marked For Review**
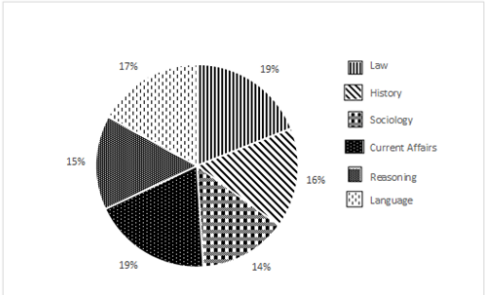Chosen Option : **--**

Q.15 Which element is neither metal nor non-metal?

Ans
- ✗ 1. Al
- ✗ 2. P
- ✗ 3. Mg
- ✔ 4. Ge

Question ID : **7518973734**
Option 1 ID : **75189714934**
Option 2 ID : **75189714936**
Option 3 ID : **75189714933**
Option 4 ID : **75189714935**
Status : **Answered**
Chosen Option : **1**

Q.16 Study the given pie-chart and answer the question that follows.

The pie-chart shows the percentage of questions asked in a competitive examination.

If the total number of question asked in the examination was 350, how many questions were asked in History, Law and Language taken together?

Ans
- ✗ 1. 111.50
- ✔ 2. 182 .00
- ✗ 3. 171.50
- ✗ 4. 122.50

Question ID : **7518978095**
Option 1 ID : **75189732379**
Option 2 ID : **75189732378**
Option 3 ID : **75189732380**
Option 4 ID : **75189732377**
Status : **Answered**

Q.17 If the number 6484y6 is divisible by 8, then find the least value of y?

Ans ✗ 1. 7

✔ 2. 1

✗ 3. 4

✗ 4. 3

Question ID :	**7518976240**
Option 1 ID :	**75189724959**
Option 2 ID :	**75189724958**
Option 3 ID :	**75189724960**
Option 4 ID :	**75189724957**
Status :	**Answered**
Chosen Option :	**2**

Q.18

The value of $\sqrt{75 + \sqrt{41 - \sqrt{21 + \sqrt{19 - \sqrt{9}}}}}$ is:

Ans ✔ 1. 9

✗ 2. 6

✗ 3. 3

✗ 4. 5

Question ID :	**7518978624**
Option 1 ID :	**75189734493**
Option 2 ID :	**75189734494**
Option 3 ID :	**75189734496**
Option 4 ID :	**75189734495**
Status :	**Answered**
Chosen Option :	**1**

Q.19 C is twice as efficient as A, while B takes thrice as many days as C to do the same work. A takes 10 days to do the work alone. If they work in pairs [like (A, B), (B, C) and (C, A)], with (A, B) working on the first day, then (B, C) working on the second day and (C, A) working on the third day and continuing the cycle till the work gets completed, then how many days will be required to complete this work?

Ans ✗ 1. $5\frac{7}{8}$ days

✗ 2. $7\frac{5}{8}$ days

✔ 3. $4\frac{3}{8}$ days

✗ 4. $6\frac{1}{8}$ days

Question ID :	**7518976301**
Option 1 ID :	**75189725203**
Option 2 ID :	**75189725201**
Option 3 ID :	**75189725204**
Option 4 ID :	**75189725202**
Status :	**Not Attempted and Marked For Review**
Chosen Option :	**--**

Q.20 Some features of a respiratory surface in animals are mentioned below. Select the INCORRECT option.

Ans ✗ 1. Usually placed inside the body

✗ 2. presence of a mechanism for moving air in and out of this area

✓ 3. Is very thick

✗ 4. Has a large surface area

Question ID : **7518974589**
Option 1 ID : **75189718355**
Option 2 ID : **75189718356**
Option 3 ID : **75189718354**
Option 4 ID : **75189718353**
Status : **Answered**
Chosen Option : **3**

Q.21 Three times the present age of Renu is 11 years more than two times the present age of Manav, and three times the present age of Manav is 9 years less than four times the present age of Renu. The sum of the present ages (in years) of Renu and Manav is:

Ans ✗ 1. 29

✓ 2. 32

✗ 3. 31

✗ 4. 37

Question ID : **7518978443**
Option 1 ID : **75189733769**
Option 2 ID : **75189733771**
Option 3 ID : **75189733770**
Option 4 ID : **75189733772**
Status : **Answered**
Chosen Option : **2**

Q.22 Magnetic field lines at north pole of a magnet are:

Ans ✗ 1. parallel lines

✗ 2. lines merging at the pole

✓ 3. lines emerging from the pole

✗ 4. intersecting lines

Question ID : **7518978148**
Option 1 ID : **75189732589**
Option 2 ID : **75189732591**
Option 3 ID : **75189732590**
Option 4 ID : **75189732592**
Status : **Answered**
Chosen Option : **3**

Q.23 Refer to the following letter, number, symbol series and answer the question.

(Left) H ^ 2 K L 4 D & 3 $ D @ 5 7 % J B # S (Right)

How many such symbols are there which are immediately preceded by a letter and also immediately followed by a number?

Ans
✔ 1. 3
✘ 2. 2
✘ 3. 4
✘ 4. 1

Question ID : **7518979164**
Option 1 ID : **75189736655**
Option 2 ID : **75189736654**
Option 3 ID : **75189736656**
Option 4 ID : **75189736653**
Status : **Answered**
Chosen Option : **1**

Q.24 In 2021, who among the following was awarded the Major Dhyan Chand Khel Ratna award?

Ans
✘ 1. PV Sindhu
✘ 2. Jwala Gutta
✘ 3. Tara Iyer
✔ 4. Ravi Kumar

Question ID : **7518977140**
Option 1 ID : **75189728559**
Option 2 ID : **75189728558**
Option 3 ID : **75189728557**
Option 4 ID : **75189728560**
Status : **Answered**
Chosen Option : **4**

Q.25 For a regular polygon, the sum of the interior angles is 200% more than the sum of its exterior angles. Each interior angle of the polygon measures $x°$. What is the value of $x°$?

Ans
✔ 1. 135°
✘ 2. 144°
✘ 3. 140°
✘ 4. 108°

Question ID : **7518978474**
Option 1 ID : **75189733894**
Option 2 ID : **75189733893**
Option 3 ID : **75189733895**
Option 4 ID : **75189733896**
Status : **Answered**
Chosen Option : **1**

Q.26 P, Q, R, S, T, U, V and W are sitting around a square table facing the centre of the table. Some of them are sitting at the corners, while some are sitting at the middle of the sides. R sits third to the left of U. R sits at one of the corners. T does not sit at any of the corners. V sits second to the right of T. T is not an immediate neighbour of R. Only three people sit between S and Q. S is an immediate neighbour of W. S does not sit at any of the middle of the sides.

Who sits second to the left of V?

Ans ✗ 1. S

✓ 2. T

✗ 3. U

✗ 4. W

Question ID :	**7518978169**
Option 1 ID :	**75189732676**
Option 2 ID :	**75189732674**
Option 3 ID :	**75189732675**
Option 4 ID :	**75189732673**
Status :	**Answered**
Chosen Option :	**2**

Q.27 The Kumaun Himalayas (according to the east-west division of the Himalayas) lie between which of the following two rivers?

Ans ✗ 1. Indus and Sutlej

✓ 2. Sutlej and Kali

✗ 3. Kali and Teesta

✗ 4. Teesta and Dibang

Question ID :	**7518974272**
Option 1 ID :	**75189717085**
Option 2 ID :	**75189717086**
Option 3 ID :	**75189717087**
Option 4 ID :	**75189717088**
Status :	**Answered**
Chosen Option :	**1**

Q.28 In the given letter-cluster triads, the letter-clusters in a particular triad are related following a certain logic. Study the given triads carefully and from the given options, select the triad that follows the same logic.

ABC : DFH : ILO

RST : UWY : ZCF

Ans ✗ 1. OPQ : RTV : WYA

✗ 2. STU : VWX : YZA

✓ 3. FGH : IKM : NQT

✗ 4. EFG : HKN : ORU

Question ID :	**7518978033**
Option 1 ID :	**75189732131**
Option 2 ID :	**75189732129**
Option 3 ID :	**75189732130**
Option 4 ID :	**75189732132**
Status :	**Not Answered**
Chosen Option :	**--**

Q.29 In a certain code language, 'ANGLE' is written as 'CQKQK' and 'BEING' is written as 'DHMSM'. How will 'BROKE' be written in that language?

Ans ✔ 1. DUSPK

✘ 2. DUKSP

✘ 3. DUPPK

✘ 4. DUSKP

Question ID : **7518978280**
Option 1 ID : **75189733119**
Option 2 ID : **75189733117**
Option 3 ID : **75189733120**
Option 4 ID : **75189733118**
Status : **Answered**
Chosen Option : **1**

Q.30 Five friends P, Q, R, S, and T live in a five-storeyed building numbered from 1 (lowest floor) to 5 (top most floor). Each of them lives on different floor of the building. R lives on the floor below Q's floor. T does not live on the top floor. There are equal number of people living above and below the floor on which S lives. Two people live between the floors where T and R live. Q does not live above or below the floor where S lives. Who lives on second floor?

Ans ✘ 1. T

✘ 2. R

✔ 3. P

✘ 4. S

Question ID : **7518977897**
Option 1 ID : **75189731587**
Option 2 ID : **75189731585**
Option 3 ID : **75189731588**
Option 4 ID : **75189731586**
Status : **Answered**
Chosen Option : **3**

Q.31 The pH of milk of magnesia is about _____.

Ans ✔ 1. 10.4

✘ 2. 13.2

✘ 3. 4.7

✘ 4. 2.9

Question ID : **7518973463**
Option 1 ID : **75189713851**
Option 2 ID : **75189713852**
Option 3 ID : **75189713850**
Option 4 ID : **75189713849**
Status : **Answered**
Chosen Option : **1**

Q.32 Prince starts from Point A and walks 6 km toward south, and then turns to the right, walks for 4 km. He takes a final turn to the left and walks 6 km. Now, in which direction is he from the starting place?
(All turns are 90 degree turns only)

Ans
  ✗ 1. South
  ✔ 2. South-west
  ✗ 3. East
  ✗ 4. South-east

Question ID : **7518979018**
Option 1 ID : **75189736069**
Option 2 ID : **75189736070**
Option 3 ID : **75189736072**
Option 4 ID : **75189736071**
Status : **Answered**
Chosen Option : **2**

Q.33 It is found that during dispersion of white light by a glass prism, the more a colour component is bent, the more is the refractive index of the glass for that colour component. If μ_B, μ_Y and μ_G are refractive indices for blue, yellow and green lights, respectively, then which of the following relations between them is correct?

Ans
  ✗ 1. $\mu_Y > \mu_G > \mu_B$
  ✗ 2. $\mu_Y = \mu_G = \mu_B$
  ✗ 3. $\mu_G > \mu_B > \mu_Y$
  ✔ 4. $\mu_B > \mu_G > \mu_Y$

Question ID : **7518976651**
Option 1 ID : **75189726601**
Option 2 ID : **75189726602**
Option 3 ID : **75189726603**
Option 4 ID : **75189726604**
Status : **Answered**
Chosen Option : **3**

Q.34 In which year was the Panchayats (Extension to the Scheduled Areas) Act (PESA act) passed in India?

Ans
  ✗ 1. 1994
  ✔ 2. 1996
  ✗ 3. 1990
  ✗ 4. 1992

Question ID : **7518979455**
Option 1 ID : **75189737818**
Option 2 ID : **75189737817**
Option 3 ID : **75189737820**
Option 4 ID : **75189737819**
Status : **Not Answered**
Chosen Option : **--**

Q.35 An object is placed in front of a convex mirror of focal length 9 cm, at a distance of 18 cm. Its image is formed at a distance of:

Ans ✔ 1. 6 cm

✘ 2. 12 cm

✘ 3. 24 cm

✘ 4. 18 cm

Question ID : **7518976602**
Option 1 ID : **75189726405**
Option 2 ID : **75189726406**
Option 3 ID : **75189726408**
Option 4 ID : **75189726407**
Status : **Answered**
Chosen Option : **4**

Q.36 Which of the following interchanges in signs and numbers will make the given equation correct?

$9 - 11 \times 24 = 75$

Ans ✔ 1. × and −, 9 and 11

✘ 2. × and =, 24 and 9

✘ 3. − and ×, 75 and 11

✘ 4. = and −, 75 and 24

Question ID : **7518979056**
Option 1 ID : **75189736223**
Option 2 ID : **75189736221**
Option 3 ID : **75189736222**
Option 4 ID : **75189736224**
Status : **Answered**
Chosen Option : **1**

Q.37 If the resistance of a conductor is doubled then the heat produced is:

Ans ✔ 1. Two times

✘ 2. Unchanged

✘ 3. Half

✘ 4. Zero

Question ID : **7518978142**
Option 1 ID : **75189732566**
Option 2 ID : **75189732567**
Option 3 ID : **75189732565**
Option 4 ID : **75189732568**
Status : **Answered**
Chosen Option : **1**

Q.38 Which Veda contains the maximum number of verses?

Ans

✔ 1. Rig Veda

✘ 2. Atharva Veda

✘ 3. Sama Veda

✘ 4. Yajur Veda

Question ID : **7518973843**
Option 1 ID : **75189715370**
Option 2 ID : **75189715372**
Option 3 ID : **75189715371**
Option 4 ID : **75189715369**
Status : **Answered**
Chosen Option : **1**

Q.39 The carbon and energy requirements of plants are fulfilled by which of the following processes?

Ans

✘ 1. Absorption

✘ 2. Translocation

✘ 3. Transpiration

✔ 4. Photosynthesis

Question ID : **7518977794**
Option 1 ID : **75189731174**
Option 2 ID : **75189731176**
Option 3 ID : **75189731173**
Option 4 ID : **75189731175**
Status : **Answered**
Chosen Option : **4**

Q.40 How many cubic cm of water can a hemispherical container of radius 7 cm hold (rounded off to 2 decimal places) $\left(\textbf{use } \boldsymbol{\pi} = \frac{22}{7} \right)$?

Ans

✘ 1. 616.25

✘ 2. 1437.33

✘ 3. 154.75

✔ 4. 718.67

Question ID : **7518976183**
Option 1 ID : **75189724729**
Option 2 ID : **75189724732**
Option 3 ID : **75189724730**
Option 4 ID : **75189724731**
Status : **Answered**
Chosen Option : **4**

Q.41 Researchers at IIT Guwahati have developed a 'smart' window material in May 2021. What is the use of this material?

Ans

✗ 1. It locates sources of faint light from distant quasars

✗ 2. It maintains oxygen pressure that works without electricity.

✔ 3. It allows automatic climate control of buildings.

✗ 4. It increases the life of medical oxygen cylinders.

> Question ID : **7518973976**
> Option 1 ID : **75189715904**
> Option 2 ID : **75189715901**
> Option 3 ID : **75189715902**
> Option 4 ID : **75189715903**
> Status : **Not Answered**
> Chosen Option : **--**

Q.42 Which of the following elements is most metallic in nature?

Ans

✔ 1. Ba

✗ 2. Be

✗ 3. Sr

✗ 4. Ca

> Question ID : **7518973521**
> Option 1 ID : **75189714083**
> Option 2 ID : **75189714081**
> Option 3 ID : **75189714084**
> Option 4 ID : **75189714082**
> Status : **Not Answered**
> Chosen Option : **--**

Q.43 Which of the following pairs will be in the same homologous series?

Ans

✗ 1. CH_3CHO and CH_3OH

✗ 2. CH_3OH and $HCOOH$

✗ 3. C_2H_5OH and $CH_3 COOH$

✔ 4. $CH_3 COCH_3$ and $C_2H_5 COCH_3$

> Question ID : **7518973408**
> Option 1 ID : **75189713631**
> Option 2 ID : **75189713630**
> Option 3 ID : **75189713629**
> Option 4 ID : **75189713632**
> Status : **Not Answered**
> Chosen Option : **--**

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Q.44 Seven people R, S, T, U, V, W and X were sitting around a circular table, facing the centre. They were equidistant to one another. T was sitting to the immediate right of S. W was sitting to the immediate left of V. R and U were immediate neighbours. Only X was sitting between V and S. U was sitting to the immediate right of T. Who was sitting to the immediate left of W?

Ans
- ✗ 1. T
- ✓ 2. R
- ✗ 3. S
- ✗ 4. U

Question ID : **7518977575**
Option 1 ID : **75189730300**
Option 2 ID : **75189730299**
Option 3 ID : **75189730298**
Option 4 ID : **75189730297**
Status : **Answered**
Chosen Option : **2**

Q.45 Which of the following is a characteristic of public goods?

Ans
- ✓ 1. Non-rivalry
- ✗ 2. Inelasticity
- ✗ 3. Elasticity
- ✗ 4. Excludable

Question ID : **7518974219**
Option 1 ID : **75189716876**
Option 2 ID : **75189716875**
Option 3 ID : **75189716873**
Option 4 ID : **75189716874**
Status : **Not Answered**
Chosen Option : **--**

Q.46 Which of the following cellular components is absent in most of the prokaryotes?

Ans
- ✓ 1. Nuclear membrane
- ✗ 2. Ribosome
- ✗ 3. Cell wall
- ✗ 4. Cytoplasm

Question ID : **7518977783**
Option 1 ID : **75189731129**
Option 2 ID : **75189731130**
Option 3 ID : **75189731131**
Option 4 ID : **75189731132**
Status : **Not Answered**
Chosen Option : **--**

Q.47 Which team won the Pro Kabaddi League title of Season 8 in 2022?

Ans ✔ 1. Dabang Delhi KC

✘ 2. Bengaluru Bulls

✘ 3. U Mumba

✘ 4. Patna Pirates

Question ID : **7518976466**
Option 1 ID : **75189725864**
Option 2 ID : **75189725862**
Option 3 ID : **75189725861**
Option 4 ID : **75189725863**
Status : **Answered**
Chosen Option : **2**

Q.48 The expression $\dfrac{1+x}{1-x} - \dfrac{1-x}{1+x} + \dfrac{4x}{1+x^2} + \dfrac{8x^3}{1-x^4}$ is equal to:

Ans ✔ 1. $\dfrac{8x}{1-x^2}$

✘ 2. $\dfrac{8x}{1+x^2}$

✘ 3. $\dfrac{4x}{1+x^2}$

✘ 4. $\dfrac{4x}{1-x^2}$

Question ID : **7518978427**
Option 1 ID : **75189733705**
Option 2 ID : **75189733708**
Option 3 ID : **75189733706**
Option 4 ID : **75189733707**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.49 Consider the below statements and identify the correct answer.

Statement-I: The chemical formula for baking soda is $NaHCO_3$.
Statement-II: It is used in soda-acid fire extinguisher.

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

✘ 2. Statement-II is true, and Statement-I is false.

✘ 3. Both the statements are false.

✔ 4. Both the statements are true.

Question ID : **7518973658**
Option 1 ID : **75189714631**
Option 2 ID : **75189714632**
Option 3 ID : **75189714630**
Option 4 ID : **75189714629**
Status : **Answered**
Chosen Option : **4**

Q.50 For a data, if the mean is 28.5 and the median is 32, then the mode using empirical formula is:

Ans ✗ 1. 42

✓ 2. 39

✗ 3. 41

✗ 4. 40

Question ID : **7518975686**
Option 1 ID : **75189722741**
Option 2 ID : **75189722744**
Option 3 ID : **75189722742**
Option 4 ID : **75189722743**
Status : **Answered**
Chosen Option : **2**

Q.51 Who among the following holds the record of presenting the maximum number of budgets in the history of independent India by presenting 10 budgets during his stint as union finance minister?

Ans ✗ 1. P Chidambaram

✗ 2. Pranab Mukherjee

✓ 3. Morarji Desai

✗ 4. Yashwant Sinha

Question ID : **7518979403**
Option 1 ID : **75189737610**
Option 2 ID : **75189737611**
Option 3 ID : **75189737609**
Option 4 ID : **75189737612**
Status : **Answered**
Chosen Option : **1**

Q.52 A and B started moving at the same time towards each other from points X and Y, respectively. After meeting on the way, A and B took 5.4 hours and p hours, respectively to reach Y and X, respectively. If the speed of B is 50% more than that of A, then what is the value of p?

Ans ✗ 1. 1.8

✓ 2. 2.4

✗ 3. 3.6

✗ 4. 2.7

Question ID : **7518978397**
Option 1 ID : **75189733585**
Option 2 ID : **75189733587**
Option 3 ID : **75189733588**
Option 4 ID : **75189733586**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.53 Sanjay is 25 years older than his son and Sanjay's wife is 65 years old. If the average age of all the three members of this family is 58 years, then find the age of the son.

Ans ✗ 1. 45 years

✔ 2. 42 years

✗ 3. 43 years

✗ 4. 41 years

Question ID : **7518975937**
Option 1 ID : **75189723747**
Option 2 ID : **75189723745**
Option 3 ID : **75189723748**
Option 4 ID : **75189723746**
Status : **Answered**
Chosen Option : **2**

Q.54 Four bells ring at intervals of 4 minutes, 8 minutes, 12 minutes, and 24 minutes respectively. All the four bells rang together at 12 noon. How many times after 12 noon will all the four bells ring together in the next four hours, with the ringing at 4 p.m. being included?

Ans ✗ 1. 8 times

✗ 2. 11 times

✔ 3. 10 times

✗ 4. 9 times

Question ID : **7518975824**
Option 1 ID : **75189723293**
Option 2 ID : **75189723296**
Option 3 ID : **75189723295**
Option 4 ID : **75189723294**
Status : **Answered**
Chosen Option : **2**

Q.55 Amongst six friends A, B, C, D, E and F, each has a different height. A is taller than only three other friends. B is taller than F. D is taller than only one friend. C is taller than D but shorter than F. Who is the second tallest among all the friends?

Ans ✗ 1. A

✗ 2. B

✔ 3. F

✗ 4. C

Question ID : **7518979117**
Option 1 ID : **75189736465**
Option 2 ID : **75189736468**
Option 3 ID : **75189736466**
Option 4 ID : **75189736467**
Status : **Answered**
Chosen Option : **3**

Q.56 If $x^2 + y^2 - 4x + 8y + 20 = 0$, then the value of $x^2 + y^2$ is :

Ans
- ✗ 1. 30
- ✗ 2. 40
- ✔ 3. 20
- ✗ 4. 10

Question ID : **7518978630**
Option 1 ID : **75189734518**
Option 2 ID : **75189734517**
Option 3 ID : **75189734519**
Option 4 ID : **75189734520**
Status : **Answered**
Chosen Option : **3**

Q.57 Harsh walks 45 m towards the west and turns to left and walks 25 m. He then turns to the left and walks 21 m. Again, he turns left and walks 18 m. After that he turns right and walks 23 m and finally, he turns left and walks for 37 m. Which direction is Harsh facing now?
(All turns are 90 degree turns only)

Ans
- ✔ 1. North
- ✗ 2. West
- ✗ 3. South
- ✗ 4. East

Question ID : **7518979021**
Option 1 ID : **75189736084**
Option 2 ID : **75189736082**
Option 3 ID : **75189736083**
Option 4 ID : **75189736081**
Status : **Answered**
Chosen Option : **1**

Q.58 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. 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)
25 : 6 :: 64 : 9 :: 9 : ?

Ans
- ✗ 1. 3
- ✔ 2. 4
- ✗ 3. 2
- ✗ 4. 5

Question ID : **7518977733**
Option 1 ID : **75189730930**
Option 2 ID : **75189730932**
Option 3 ID : **75189730929**
Option 4 ID : **75189730931**
Status : **Answered**
Chosen Option : **2**

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Q.59 Which of the following numbers will replace the question mark (?) in the given series?

12, 17, 27, 42, 62, ?

Ans
- ✗ 1. 80
- ✗ 2. 82
- ✔ 3. 87
- ✗ 4. 85

Question ID : **7518978297**
Option 1 ID : **75189733185**
Option 2 ID : **75189733186**
Option 3 ID : **75189733188**
Option 4 ID : **75189733187**
Status : **Answered**
Chosen Option : **3**

Q.60 The direction of the current in a coil of a motor is reversed by:

Ans
- ✗ 1. slip ring
- ✗ 2. brushes
- ✗ 3. axle
- ✔ 4. split ring

Question ID : **7518978159**
Option 1 ID : **75189732635**
Option 2 ID : **75189732633**
Option 3 ID : **75189732636**
Option 4 ID : **75189732634**
Status : **Answered**
Chosen Option : **4**

Q.61 Amita travels a certain distance at a speed of 50 km/h and double the earlier distance at 60 km/h. She then returns to the starting point through same route. If her average speed for the entire journey is 45 km/h, then what is her average speed (in km/h) for the return journey?

Ans
- ✔ 1. 37.5
- ✗ 2. 42.5
- ✗ 3. 42
- ✗ 4. 40

Question ID : **7518978414**
Option 1 ID : **75189733653**
Option 2 ID : **75189733655**
Option 3 ID : **75189733656**
Option 4 ID : **75189733654**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.62 The simple interest on a certain sum for $4\frac{2}{5}$ years at the rate of 9.5% p.a. is ₹3,553. What will be the amount payable on the same sum at 8.4% p.a. simple interest in $7\frac{1}{2}$ years?

Ans

✗ 1. ₹14,855

✗ 2. ₹13,950

✗ 3. ₹13,850

✔ 4. ₹13,855

Question ID :	**7518978373**
Option 1 ID :	**75189733489**
Option 2 ID :	**75189733492**
Option 3 ID :	**75189733490**
Option 4 ID :	**75189733491**
Status :	**Answered**
Chosen Option :	**4**

Q.63 ABCD is a quadrilateral in which AB ∥ DC, and E and F are the mid points of the diagonals AC and BD, respectively. If AB = 28 cm, BC = 15 cm, DC = 40 cm, and AD = 9 cm, then what is the length (in cm) of EF?

Ans

✗ 1. 8

✔ 2. 6

✗ 3. 9

✗ 4. 12

Question ID :	**7518978479**
Option 1 ID :	**75189733914**
Option 2 ID :	**75189733913**
Option 3 ID :	**75189733915**
Option 4 ID :	**75189733916**
Status :	**Not Attempted and Marked For Review**
Chosen Option :	**--**

Q.64 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:

Reading books will make you a morally good person.

Assumptions:

I.   Reading books helps one gain knowledge.

II.   All successful people read books.

Ans

✗ 1. Only assumption I is implicit

✗ 2. Both assumptions I and II are implicit

✔ 3. Neither assumption I nor II is implicit

✗ 4. Only assumption II is implicit

Question ID :	**7518979194**
Option 1 ID :	**75189736775**
Option 2 ID :	**75189736774**
Option 3 ID :	**75189736773**
Option 4 ID :	**75189736776**
Status :	**Answered**
Chosen Option :	**3**

Q.65 Kendriya Hindi Sansthan is an autonomous educational institution established in 1960 by the Department of Higher Education of the Ministry of Education, Government of India. Where is its headquarters located?

Ans

✗ 1. Lucknow

✗ 2. Meerut

✗ 3. Kanpur

✓ 4. Agra

Question ID : **7518974007**
Option 1 ID : **75189716027**
Option 2 ID : **75189716026**
Option 3 ID : **75189716028**
Option 4 ID : **75189716025**
Status : **Not Answered**
Chosen Option : **--**

Q.66 Under the 'Jiyo Parsi' scheme launched by the Government of India Rupees_____ is the maximum amount of childcare support per child per month only up to the age of 18 years as per the guidelines w.e.f. 22nd Oct 2021.

Ans

✗ 1. 10,000

✗ 2. 12,000

✓ 3. 8000

✗ 4. 15,000

Question ID : **7518979368**
Option 1 ID : **75189737470**
Option 2 ID : **75189737471**
Option 3 ID : **75189737469**
Option 4 ID : **75189737472**
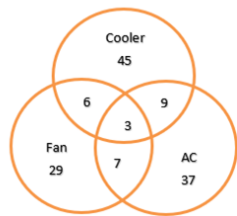Status : **Not Answered**
Chosen Option : **--**

Q.67 Which of the following statements about double displacement reactions is correct?

Ans

✓ 1. An exchange of ions between two reactants.

✗ 2. Only one reactant is required.

✗ 3. The reactant should be organic.

✗ 4. The number of products should be one.

Question ID : **7518978124**
Option 1 ID : **75189732493**
Option 2 ID : **75189732496**
Option 3 ID : **75189732495**
Option 4 ID : **75189732494**
Status : **Answered**
Chosen Option : **1**

Q.68 Study the given diagram carefully and answer the questions. The numbers in different sections indicate the number of things.
Which number represents AC which are coolers but are not fans?

Ans ✗ 1. 3

✗ 2. 6

✔ 3. 9

✗ 4. 7

Question ID : **7518978963**
Option 1 ID : **75189735850**
Option 2 ID : **75189735849**
Option 3 ID : **75189735851**
Option 4 ID : **75189735852**
Status : **Answered**
Chosen Option : **3**

Q.69 Two resistors, A (10 Ω) and B (20 Ω), are connected in parallel. The combination is connected to a 6 V battery. The currents in A and B are respectively _____.

Ans ✗ 1. 0.3 A and 0.6 A

✗ 2. 0.6 A and 0.6 A

✔ 3. 0.6 A and 0.3 A

✗ 4. 0.2 A and 0.2 A

Question ID : **7518976696**
Option 1 ID : **75189726781**
Option 2 ID : **75189726784**
Option 3 ID : **75189726782**
Option 4 ID : **75189726783**
Status : **Answered**
Chosen Option : **2**

Q.70 Harish bought an article for ₹520 and sold it to Renu at a loss of 30%. With this amount, Harish bought another article and sold it at a gain of 55%. What is Harish's overall gain percentage?

Ans ✗ 1. 9.5%

✔ 2. 8.5%

✗ 3. 9%

✗ 4. 7.8%

Question ID : **7518978380**
Option 1 ID : **75189733520**
Option 2 ID : **75189733517**
Option 3 ID : **75189733519**
Option 4 ID : **75189733518**
Status : **Answered**
Chosen Option : **2**

Q.71 The value of $84 - 4 \div 2 \times 3 + 7$ is:

Ans
- ✗ 1. 173
- ✗ 2. 127
- ✗ 3. 97
- ✔ 4. 85

Question ID : **7518976003**
Option 1 ID : **75189724011**
Option 2 ID : **75189724010**
Option 3 ID : **75189724012**
Option 4 ID : **75189724009**
Status : **Answered**
Chosen Option : **4**

Q.72 In which state is the five day religious festival of 'Shad Nongkrem' celebrated?

Ans
- ✗ 1. Andhra Pradesh
- ✔ 2. Meghalaya
- ✗ 3. Uttar Pradesh
- ✗ 4. Tripura

Question ID : **7518979379**
Option 1 ID : **75189737515**
Option 2 ID : **75189737514**
Option 3 ID : **75189737513**
Option 4 ID : **75189737516**
Status : **Answered**
Chosen Option : **2**

Q.73 If $a : b = 7 : 9$ and $b : c = 15 : 7$, then $a : b : c$ is:

Ans
- ✗ 1. $21 : 35 : 45$
- ✔ 2. $35 : 45 : 21$
- ✗ 3. $45 : 35 : 21$
- ✗ 4. $35 : 45 : 25$

Question ID : **7518975835**
Option 1 ID : **75189723339**
Option 2 ID : **75189723337**
Option 3 ID : **75189723338**
Option 4 ID : **75189723340**
Status : **Answered**
Chosen Option : **2**

Q.74 Arun was performing an experiment in the laboratory. He took a solution of ferric chloride and added some smaller pieces of zinc. When the yellow colour of ferric chloride disappeared, which compound was formed?

Ans ✔ 1. $ZnCl_2$

✘ 2. $Fe(OH)_3$

✘ 3. $FeCl_2$

✘ 4. $Zn(OH)_2$

Question ID : **7518973435**
Option 1 ID : **75189713737**
Option 2 ID : **75189713740**
Option 3 ID : **75189713738**
Option 4 ID : **75189713739**
Status : **Answered**
Chosen Option : **1**

Q.75 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$2.04 + 5.019 - 3.001 \times 2.04 = ?$

Ans ✔ 1. 1

✘ 2. 4

✘ 3. 5

✘ 4. 3

Question ID : **7518978068**
Option 1 ID : **75189732269**
Option 2 ID : **75189732272**
Option 3 ID : **75189732271**
Option 4 ID : **75189732270**
Status : **Answered**
Chosen Option : **1**

Q.76 Which Article of the Constitution of India says that 'No person shall be deprived of his life or personal liberty except according to procedure established by law'?

Ans ✘ 1. Article 22

✘ 2. Article 23

✔ 3. Article 21

✘ 4. Article 24

Question ID : **7518979443**
Option 1 ID : **75189737770**
Option 2 ID : **75189737771**
Option 3 ID : **75189737769**
Option 4 ID : **75189737772**
Status : **Answered**
Chosen Option : **3**

Q.77 Which of the following methods is a surgical method that is used to prevent sperm transfer from males?

Ans ✗ 1. Condom is used

✗ 2. Copper T is inserted

✔ 3. Vas deferens is blocked

✗ 4. Fallopian tubes are blocked

Question ID : **7518977841**
Option 1 ID : **75189731364**
Option 2 ID : **75189731363**
Option 3 ID : **75189731361**
Option 4 ID : **75189731362**
Status : **Answered**
Chosen Option : **3**

Q.78 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 /deleting /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)

(33, 56)

(44, 67)

Ans ✗ 1. (11, 36)

✗ 2. (12, 36)

✗ 3. (7, 38)

✔ 4. (5, 28)

Question ID : **7518978058**
Option 1 ID : **75189732229**
Option 2 ID : **75189732231**
Option 3 ID : **75189732230**
Option 4 ID : **75189732232**
Status : **Answered**
Chosen Option : **4**

Q.79 The power of a convex lens of focal length 20 cm is _____.

Ans ✔ 1. 5.0 D

✗ 2. −0.05 D

✗ 3. 0.05 D

✗ 4. −5.0 D

Question ID : **7518976635**
Option 1 ID : **75189726540**
Option 2 ID : **75189726537**
Option 3 ID : **75189726538**
Option 4 ID : **75189726539**
Status : **Answered**
Chosen Option : **1**

Q.80 If each vowel in the word RUBAL is changed to the next vowel in the English alphabetical order and each consonant is changed to the next letter in the English alphabetical order, which letter will be present in the newly formed word?

Ans   ✗ 1.   R

     ✗ 2.   U

     ✔ 3.   A

     ✗ 4.   L

Question ID : **7518977968**
Option 1 ID : **75189731869**
Option 2 ID : **75189731870**
Option 3 ID : **75189731871**
Option 4 ID : **75189731872**
Status : **Answered**
Chosen Option : **3**

Q.81 The following table shows the expenditures of a company (in ₹ lakh) per annum over the given years. Study the following table carefully and answer the question that follows.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
2016	355	56	3.5	34.2	75
2017	285	85	4.2	28.6	61
2018	361	72	4.0	29.4	83
2019	310	69	5.5	45.6	71
2020	395	76	5.1	38.2	98

Total expenditure on all the items in 2018 was what percent of the total expenditure of all the items in 2020?

Ans   ✗ 1.   89.93%

     ✗ 2.   88.63%

     ✗ 3.   87.93%

     ✔ 4.   89.73%

Question ID : **7518979067**
Option 1 ID : **75189736265**
Option 2 ID : **75189736268**
Option 3 ID : **75189736267**
Option 4 ID : **75189736266**
Status : **Answered**
Chosen Option : **4**

Q.82 A man has to cover a distance of 150 km in 12 hours. If he covers two-third of this distance in $\frac{5}{8}$ of the time, then what should be his speed (in km/h, correct to one decimal place) to cover the remaining distance in the time left?

Ans   ✗ 1.   6.7

     ✗ 2.   11.5

     ✔ 3.   11.1

     ✗ 4.   10.5

Question ID : **7518978395**
Option 1 ID : **75189733577**
Option 2 ID : **75189733580**
Option 3 ID : **75189733579**
Option 4 ID : **75189733578**
Status : **Answered**
Chosen Option : **3**

Q.83 Which of the following organisms has a three chambered heart?

Ans ✗ 1. Bird

✔ 2. Frog

✗ 3. Fish

✗ 4. Man

Question ID : **7518977831**
Option 1 ID : **75189731324**
Option 2 ID : **75189731323**
Option 3 ID : **75189731321**
Option 4 ID : **75189731322**
Status : **Answered**
Chosen Option : **2**

Q.84 Out of a few people who participated in a race, Sandeep ranked 17th from the top and 15th from the bottom. How many persons participated in the race?

Ans ✔ 1. 31

✗ 2. 29

✗ 3. 32

✗ 4. 30

Question ID : **7518977904**
Option 1 ID : **75189731615**
Option 2 ID : **75189731613**
Option 3 ID : **75189731616**
Option 4 ID : **75189731614**
Status : **Answered**
Chosen Option : **1**

Q.85 What will come in the place of the question mark (?) in the following equation if '+' and '−' are interchanged and also '×' and '÷' are interchanged?

$28 - 168 \times 4 + 10 \div 2 = ?$

Ans ✔ 1. 50

✗ 2. 25

✗ 3. 40

✗ 4. 30

Question ID : **7518977419**
Option 1 ID : **75189729676**
Option 2 ID : **75189729673**
Option 3 ID : **75189729675**
Option 4 ID : **75189729674**
Status : **Answered**
Chosen Option : **1**

Q.86 A man sold a shirt for ₹960, at a loss of 4%. He sells a sweater for ₹840 at a profit of 20%. Find his net profit or loss.

Ans   ✗ 1. Profit, ₹123

   ✗ 2. Loss, ₹100

   ✔ 3. Profit, ₹100

   ✗ 4. Loss, ₹123

Question ID :	**7518975628**
Option 1 ID :	**75189722509**
Option 2 ID :	**75189722510**
Option 3 ID :	**75189722512**
Option 4 ID :	**75189722511**
Status :	**Answered**
Chosen Option :	**3**

Q.87 The surface area of a cuboid having length 6 cm, breadth 7 cm and height 8 cm is:

Ans   ✔ 1. 292 cm^2

   ✗ 2. 392 cm^2

   ✗ 3. 592 cm^2

   ✗ 4. 492 cm^2

Question ID :	**7518978795**
Option 1 ID :	**75189735180**
Option 2 ID :	**75189735179**
Option 3 ID :	**75189735177**
Option 4 ID :	**75189735178**
Status :	**Answered**
Chosen Option :	**1**

Q.88 This question is based on the following 3-letter words
(left)   BOW   SAD   LOW   RAY   (right)
If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

Ans   ✔ 1. Three

   ✗ 2. One

   ✗ 3. Two

   ✗ 4. None

Question ID :	**7518978269**
Option 1 ID :	**75189733074**
Option 2 ID :	**75189733076**
Option 3 ID :	**75189733075**
Option 4 ID :	**75189733073**
Status :	**Answered**
Chosen Option :	**1**

Q.89 Three statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they do not conform to real world knowledge, decide which of the given conclusions/possibilities can be true on the basis of the statements.

Statements:
1. All pots are sands.
2. Some sands are clays.
3. All greys are clays.

Conclusions:
I. Some greys are pots.
II. All clays are sands is a possibility.
III. Some clays are pots.

Ans ✗ 1. Only conclusion III is true

✗ 2. Only conclusion I is true

✗ 3. Only conclusion I and II are true

✓ 4. Only conclusion II is true

Question ID : **7518978204**
Option 1 ID : **75189732815**
Option 2 ID : **75189732813**
Option 3 ID : **75189732816**
Option 4 ID : **75189732814**
Status : **Answered**
Chosen Option : **4**

Q.90 Which of the following is NOT an example of 'fiat' money in India?

Ans ✓ 1. ₹1,000 cheque

✗ 2. ₹500 note

✗ 3. ₹1 coin

✗ 4. ₹100 note

Question ID : **7518976820**
Option 1 ID : **75189727280**
Option 2 ID : **75189727278**
Option 3 ID : **75189727279**
Option 4 ID : **75189727277**
Status : **Answered**
Chosen Option : **1**

Q.91 Select the term from among the given options that can replace the question mark (?) in the following series.

ABCD, ABCD1, ABC1D1, AB1C1D1, A1B1C1D1, A1B1C1D2, ?

Ans ✗ 1. A1B1C2D22

✗ 2. A1B1C2D11

✓ 3. A1B1C2D2

✗ 4. A1B1C2D12

Question ID : **7518977954**
Option 1 ID : **75189731816**
Option 2 ID : **75189731814**
Option 3 ID : **75189731813**
Option 4 ID : **75189731815**
Status : **Answered**
Chosen Option : **3**

Q.92 The value of $\frac{20 + 20\tan^2 A}{50 + 50\cot^2 A}$ is:

Ans

✗ 1. $\frac{2}{5}\cot^2 A$

✗ 2. $\frac{5}{2}\tan^2 A$

✗ 3. $\frac{5}{2}\cot^2 A$

✔ 4. $\frac{2}{5}\tan^2 A$

Question ID :	**7518978814**
Option 1 ID :	**75189735254**
Option 2 ID :	**75189735255**
Option 3 ID :	**75189735253**
Option 4 ID :	**75189735256**
Status :	**Answered**
Chosen Option :	**4**

Q.93 Which of the following has NO effect on the resistance of a conductor?

Ans

✗ 1. Thickness

✔ 2. Shape

✗ 3. Length

✗ 4. Temperature

Question ID :	**7518978132**
Option 1 ID :	**75189732526**
Option 2 ID :	**75189732528**
Option 3 ID :	**75189732525**
Option 4 ID :	**75189732527**
Status :	**Answered**
Chosen Option :	**2**

Q.94 Some reasons for conserving coal and petroleum are given below. Select the INCORRECT option.

Ans

✗ 1. Saves money of citizens

✗ 2. Decreases the effect of climate change

✔ 3. Increases air pollution even upon judicious usage

✗ 4. No acidification of oceans causing death of aquatic animals

Question ID :	**7518974693**
Option 1 ID :	**75189718770**
Option 2 ID :	**75189718769**
Option 3 ID :	**75189718772**
Option 4 ID :	**75189718771**
Status :	**Answered**
Chosen Option :	**1**

Q.95 If α and β, where α > β, are the roots of the equation $5x^2 - 3x - 2 = 0$, then what is the value of $(α - 2β)$?

Ans

✗ 1. $\dfrac{11}{5}$

✓ 2. $\dfrac{9}{5}$

✗ 3. $\dfrac{7}{5}$

✗ 4. $\dfrac{1}{5}$

Question ID : **7518978452**
Option 1 ID : **75189733808**
Option 2 ID : **75189733807**
Option 3 ID : **75189733805**
Option 4 ID : **75189733806**
Status : **Answered**
Chosen Option : **4**

Q.96 Select the number from among the given options that can replace the question mark (?) in the following series.

2, 8, 4, 16, 8, 32, ?, 64

Ans

✗ 1. 48

✗ 2. 32

✓ 3. 16

✗ 4. 96

Question ID : **7518978047**
Option 1 ID : **75189732188**
Option 2 ID : **75189732187**
Option 3 ID : **75189732186**
Option 4 ID : **75189732185**
Status : **Answered**
Chosen Option : **3**

Q.97 River _____ flows through the Malwa Plateau.

Ans

✗ 1. Rangeet

✗ 2. Bhima

✗ 3. Godavari

✓ 4. Betwa

Question ID : **7518978577**
Option 1 ID : **75189734305**
Option 2 ID : **75189734308**
Option 3 ID : **75189734306**
Option 4 ID : **75189734307**
Status : **Not Answered**
Chosen Option : **--**

Q.98 If 1.6 : 0.6 :: 0.6 : x, find the value of x.

Ans ✗ 1. 0.98

✔ 2. 0.225

✗ 3. 0.275

✗ 4. 0.25

Question ID : **7518978368**
Option 1 ID : **75189733472**
Option 2 ID : **75189733469**
Option 3 ID : **75189733471**
Option 4 ID : **75189733470**
Status : **Answered**
Chosen Option : **2**

Q.99 In India, _____ is/are governed by the provisions of Section 29A of the Representation of the People Act, 1951.

Ans ✗ 1. withdrawal of candidature

✗ 2. appointment of dates for nominations, etc.

✗ 3. general duties of chief electoral officers

✔ 4. registration of political parties

Question ID : **7518978600**
Option 1 ID : **75189734400**
Option 2 ID : **75189734399**
Option 3 ID : **75189734398**
Option 4 ID : **75189734397**
Status : **Not Answered**
Chosen Option : **--**

Q.100 As of July 2022, under the National Pension Scheme for Traders and Self-employed Persons, beneficiaries are entitled to receive minimum monthly assured pension of how much after attaining the age of 60 years?

Ans ✗ 1. ₹4,500

✔ 2. ₹3,000

✗ 3. ₹5,000

✗ 4. ₹2,500

Question ID : **7518976556**
Option 1 ID : **75189726223**
Option 2 ID : **75189726222**
Option 3 ID : **75189726224**
Option 4 ID : **75189726221**
Status : **Not Answered**
Chosen Option : **--**