





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	TCS Gito Bitan
Test Date	29/09/2022
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 Find the arithmetic mean of the following data.

x	6	10	18	24	30	36
f	4	3	4	2	1	1

Ans X 1. 13

√ 2. 16

× 3. 17

× 4. 12

Question ID: 75189712988 Option 1 ID: 75189751950

Option 2 ID: 75189751951 Option 3 ID: 75189751952

Option 4 ID: 75189751949

Status: Answered

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Q.2 Eight friends are sitting around a square table facing the centre. Four of them are sitting at the corners and remaining four are sitting at the exact middle of the four sides. Only Charu is sitting between Karan and Hitesh. Jay is sitting fourth to the left of Laxshita. Alok is sitting second to the left of Laxshita. Siya is sitting to the immediate right of Jay. Karan is sitting fourth to the left of Siya. Rashmi is sitting fourth to the right of Hitesh. Who is sitting to the immediate right of Alok?

Ans

✓ ¹. Rashmi

× 2. Siya

× 3. Hitesh

🗙 4. Jay

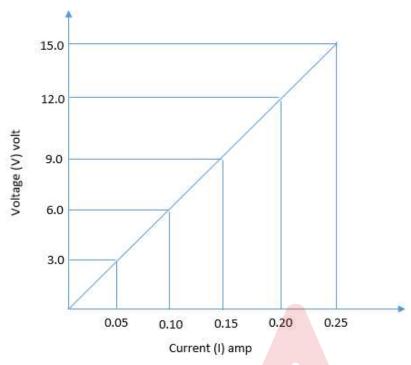
Question ID: 75189714165 Option 1 ID: 75189756660 Option 2 ID: 75189756657

Option 3 ID: **75189756659**Option 4 ID: **75189756658**Status: **Not Answered**





Find the resistance of the conductor using the given graph.



- Ans X 1. 600 ohm
 - × 2. 0.24 ohm
 - X 3. 0.016 ohm
 - √ 4. 60 ohm

Question ID: 75189713786 Option 1 ID: 75189755144 Option 2 ID: 75189755143 Option 3 ID: 75189755142 Option 4 ID: 75189755141 Status : Answered

Chosen Option: 4

- Q.4 India's golden boy Neeraj Chopra secured a historic silver medal in the men's Javelin final event at the World Athletics Championships 2022 held at _
- Ans
- X 1 Denmark
- × 2. Finland
- ✓ 3. United States of America
- ✗⁴ United Kingdom

Question ID: 75189712549

Option 1 ID: 75189750195 Option 2 ID: 75189750196

Option 3 ID: 75189750193

Option 4 ID: 75189750194

Status: Answered

If $a = 28 - 5\sqrt{12}$ and $b = 2 + \sqrt{3}$, find the value of $(a\sqrt{3} + b)$.

$$\times$$
 1. 31 - $8\sqrt{3}$

$$\times$$
 2. 32 + 27 $\sqrt{3}$

$$\times$$
 3. $-30 + 30\sqrt{3}$

$$\checkmark$$
 4. $-28 + 29\sqrt{3}$

Question ID: 75189712599 Option 1 ID: 75189750394 Option 2 ID: 75189750395 Option 3 ID: 75189750396 Option 4 ID: 75189750393

Status: Answered Chosen Option: 4

Q.6 Which of the following options is the closest approximate value which will come in place of the question mark (?) in the following equation?

 $2.59 \times 1.3 - 4 + 3 = ?$

Question ID: 75189713235 Option 1 ID: 75189752939 Option 2 ID: 75189752938 Option 3 ID: 75189752937

Option 4 ID: 75189752940 Status: Answered

Chosen Option: 3

- Q.7 After 2 to 3 days of whitewashing of walls with a solution of slaked lime, which of the following compounds is produced that gives a shiny finish to the walls?
- Ans ★ 1 Calcium hydroxide
 - Calcium dioxide
 - X 3. Calcium bicarbonate
 - 4. Calcium carbonate

Question ID: 75189712778

Option 1 ID: 75189751110

Option 2 ID: 75189751112 Option 3 ID: 75189751111

Option 4 ID: 75189751109

Status: Answered





Q.8 In a certain code language, 'QUILT' is written as 'RXJOU' and 'BLEAK' is written as 'COFDL'. How will 'CHAIR' be written in that language?

Ans

✓ 1. DKBLS

× 2. DJBKT

X 3. DBLKS

X 4. DJCLT

Question ID: 75189714474
Option 1 ID: 75189757896
Option 2 ID: 75189757894
Option 3 ID: 75189757895
Option 4 ID: 75189757893
Status: Answered

Chosen Option: 1

Q.9 According to the Hindu Calendar, Buddha Purnima falls on the full moon day of ______.

Ans

X 1. Chaitra

× 2. Magha

X 3. Ashadha

4. Vaishakha

Question ID: 7518977484

Option 1 ID: 75189729933

Option 2 ID: 75189729936

Option 3 ID: 75189729934

Option 4 ID: 75189729935

Status: Answered

Chosen Option: 4

Q.10 Which of the following options explains the objectives of the National Informatics Centre (NIC)?

- A) Technology partner of the government
- B) Develops e-Content and learning materials for school education
- C) Explores and advises on the use of emerging technologies
- D) Provides data networks packages to the government and private institutes

Ans X 1. B and C

✓ 2. A and C

X 3. A and D

X 4. C and D

Question ID: 75189713975 Option 1 ID: 75189755898 Option 2 ID: 75189755899 Option 3 ID: 75189755897 Option 4 ID: 75189755900

Status : Answered





Q.11 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

7:52::11:7::9:84

Ans X 1. 132

2. 124

X 3. 152

X 4. 119

Question ID: 75189714137 Option 1 ID: 75189756548 Option 2 ID: 75189756545

Option 3 ID: 75189756547 Option 4 ID: 75189756546

Status: Answered

Chosen Option: 2

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the given 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)

(1, 3, 4)

(8, 24, 18)

Ans X 1. (8, 13, 10)

× 2. (8, 14, 10)

X 3. (19, 25, 12)

4 (10, 23, 15)

Question ID: 75189713652

Option 1 ID: 75189754605 Option 2 ID: 75189754608

Option 3 ID: 75189754606 Option 4 ID: 75189754607

Status: Answered

Chosen Option: 2

Q.13 The second 'Muslim Women Rights Day' was observed across India on to commemorate the enactment of the law against Triple Talaq.

Ans

X 2. 1 September 2021

X 3. 1 July 2021

X 4. 1 June 2021

Question ID: 7518978506

Option 1 ID: 75189734023

Option 2 ID: 75189734024

Option 3 ID: 75189734022

Option 4 ID: 75189734021 Status: Not Answered





Q.14 In which of the following years was the Delhi Land Reforms Act enacted?

Ans

X 1. 1956

× 2. 1953

× 3. 1951

4. 1954

Question ID : 75189712488 Option 1 ID : 75189749951 Option 2 ID : 75189749952 Option 3 ID : 75189749950 Option 4 ID : 75189749949

Status : Not Answered Chosen Option : --

Q.15 Sarhul is the main festival of the tribal population of which of the following states?

Ans

X 1. Assam

× 2. Meghalaya

× 3. Nagaland

Question ID: 75189712363
Option 1 ID: 75189749452
Option 2 ID: 75189749451
Option 3 ID: 75189749450
Option 4 ID: 75189749449
Status: Not Answered

Chosen Option: --

Q.16

is defined as the output per unit of variable input.

Ans

X 1. Total product

X 2. Minimum product

X 4 Marginal product

Question ID: 75189712486 Option 1 ID: 75189749943 Option 2 ID: 75189749941 Option 3 ID: 75189749944 Option 4 ID: 75189749942

Status : **Answered**

Q.17 If pipe A can fill a cistern in X hours, pipe B can fill the same cistern in Y hours, and pipe C can empty the full cistern in Z hours, then find the time taken to completely fill the cistern, if Pipes A, B and C are opened together.

Ans

$$\checkmark 1. \frac{XYZ}{YZ + XZ - XY}$$

$$\times$$
 2. $\frac{XYZ}{YZ + XZ + XY}$

$$\times$$
 3. $\frac{XYZ}{YZ - XZ - XY}$

$$\times$$
 4. $\frac{XYZ}{YZ - XZ + XY}$

Question ID: **75189713337**Option 1 ID: **75189753345**Option 2 ID: **75189753347**

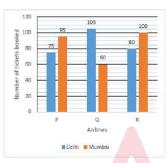
Option 3 ID : **75189753346** Option 4 ID : **75189753348**

Status : Answered

Chosen Option: 1

Q.18 Study the given bar-graph and answer the question that follows.

The bar-graph depicts the number of tickets booked for Delhi and Mumbai by Airlines P, Q and R.



The total number of tickets booked for Mumbai by Airlines Q and R was what per cent more than the number of tickets booked for Delhi by Airline R?

Ans

Question ID: 75189713672

Option 1 ID: 75189754688

Option 2 ID : **75189754687**

Option 3 ID: 75189754686

Option 4 ID: **75189754685**

Status : Answered





Q.19 The given statements are followed by three conclusions. Find out which conclusion is true based on the given statements.

Statements:

 $L > M = N \ge O, P \ge Q \le R = O$

Conclusions:

N ≥ O

II. L > R

III. $M \ge Q$

Ans

- 1. Only conclusion II is true
- × 2. Only conclusion III is true
- X 3. Only conclusion I is true

Question ID: 75189711496 Option 1 ID: 75189745982 Option 2 ID: 75189745983 Option 3 ID: 75189745981 Option 4 ID: 75189745984

Status: Answered

Chosen Option: 4

Q.20 What is the chemical behaviour of washing soda?

Ans

- ✓ 1. It is amphoteric in nature.
- × 2 It is acidic in nature.
- ★3 It is basic in nature.
- X 4. It is neutral in nature.

Question ID: 75189715152 Option 1 ID: 75189760608 Option 2 ID: 75189760607

Option 3 ID: 75189760606 Option 4 ID: 75189760605

Status: Answered Chosen Option: 3

Find the LCM of 20, 120 and 60.

Ans × 1. 100

X 2. 60

× 3. 80

√ 4. 120

Question ID: 75189712927

Option 1 ID: 75189751707 Option 2 ID: 75189751705

Option 3 ID: 75189751706

Option 4 ID: 75189751708 Status: Answered

Q.22 What is the relation between m, v, and u for a spherical mirror?

$$\times$$
 1. $m = v \times u$

$$\times$$
 2. $m = \frac{v}{u}$

$$\checkmark$$
 3. $m = \frac{-v}{u}$

$$\times$$
 4. $m = -v \times u$

Question ID: 7518979495 Option 1 ID: 75189737977 Option 2 ID: 75189737978 Option 3 ID: 75189737980

Option 4 ID: 75189737979 Status: Answered

Chosen Option: 3

Q.23 Each vowel in the word HOCKEY is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. If each letter thus formed is arranged in alphabetical order, which letter will be fourth from the right?

Question ID: 7518978248

Option 1 ID: 75189732992 Option 2 ID: 75189732990 Option 3 ID: 75189732991

Option 4 ID: 75189732989

Status: Answered

Chosen Option: 2

Q.24 What is the compound interest, rounded to nearest rupee, on ₹82,000 for 3 years at 6% per annum compounded annually?

Question ID: 75189712027

Option 1 ID: 75189748105 Option 2 ID: 75189748106 Option 3 ID: 75189748107

Option 4 ID: 75189748108

Status: Not Answered

Q.25 The correct relation between the focal length of a lens and its power is:

Ans

$$\checkmark$$
 1. $P = \frac{1}{f}$

$$\times$$
 2. $P = -\frac{1}{f}$

$$imes$$
 3. $P \propto f$

$$\times$$
 4. $P = f$

Question ID: 7518979520
Option 1 ID: 75189738079
Option 2 ID: 75189738080
Option 3 ID: 75189738078
Option 4 ID: 75189738077
Status: Answered

Chosen Option: 1

Q.26 A certain number of people are sitting in a row, facing north. Only three people sit between F and C. D sits second to the right of C. A sits third to the left of F. Only one person sits between D and B. If no other person is sitting in the row, what is the total number of persons seated?

Ans

Question ID: 75189713019
Option 1 ID: 75189752073
Option 2 ID: 75189752074
Option 3 ID: 75189752076
Option 4 ID: 75189752075
Status: Answered

Chosen Option: 3

Q.27 The formula for Joule's heating effect is represented as ______. (In the options, H denotes the heat produced, I is the current flowing through the conductor, R is the resistance and t is the time period.)

Ans

$$\times$$
 4. H = IRt

Question ID: 75189713824
Option 1 ID: 75189755295
Option 2 ID: 75189755296
Option 3 ID: 75189755293
Option 4 ID: 75189755294
Status: Answered





Q.28 According to Newlands law of octaves, which of the following elements have same properties?

Ans

✓ 1 Be and Mg

X 2. K and Co

X 3. Na and Cl

X 4. B and Si

Question ID: 75189710384
Option 1 ID: 75189741534
Option 2 ID: 75189741536
Option 3 ID: 75189741533
Option 4 ID: 75189741535

Status : Not Answered

Chosen Option: --

Q.29 If 1 is added to each digit of the number 870548362, what will be the sum of the fourth, fifth and sixth digit when counted from left?

Ans

X 1. 17

X 2. 24

√ 3. **20**

X 4. 16

Question ID: 7518979787 Option 1 ID: 75189739145 Option 2 ID: 75189739146 Option 3 ID: 75189739148

Option 4 ID : **75189739147**Status : **Answered**

Chosen Option: 3

Adda 247

Q.30 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All plums are guavas.

Some plums are mangoes.

No plum is a kiwi.

Conclusions:

- I. Some guavas are kiwis.
- II. Some mangoes are kiwis.

Ans

- ✓ 1. Neither conclusion I nor II follows
- ★ 2. Only conclusion II follows
- 3. Both conclusions I and II follow
- ★ 4. Only conclusion I follows

Question ID: 75189713496 Option 1 ID: 75189753983 Option 2 ID: 75189753982 Option 3 ID: 75189753984 Option 4 ID: 75189753981 Status: Answered

Chosen Option: 1

Q.31 Which two signs should be interchanged to make the following equation correct?

$$[\{(15+3)-(4\times2)\}\div(4-6)]\times5=10$$

Ans
$$\times$$
 1. + and ÷

X 2. X and ÷

 \times 3. \times and +

√ 4. + and –

Question ID: 75189714568

Option 1 ID: 75189758272 Option 2 ID: 75189758271 Option 3 ID: 75189758269

Option 4 ID: 75189758270

Status: Answered





Q.32 Kiran starts from Point A and drives 4 km towards the east. He then takes a right turn, drives 9 km, turns left and drives 5 km. He then takes a left turn and drives 17 km, takes a left turn and drives 14 km. He then turns left, drives 8 km and stops at Point B. How far and towards which direction should he drive in order to reach Point A from Point B? (All turns are 90 degree turns only)

Ans

√ 1. 5 km towards the east

× 2. 12 km towards the west

3. 9 km towards the south

¾ 4. 6 km towards the east

Question ID: 75189714496 Option 1 ID: 75189757984 Option 2 ID: 75189757982 Option 3 ID: 75189757981 Option 4 ID: 75189757983

Status: Answered

Chosen Option: 1

Q.33 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

X 1. Only (i)

× 2. Both (i) and (iii)

3. Only (iii)

X 4. Both (ii) and (iii)

Q.34 In the year 2022, tech giant Microsoft has announced to set up its fourth data centre in which of the following cities of India?

Ans

★ 1 Bengaluru

✓ 2. Hyderabad

X 3. Delhi

X 4. Mumbai

Question ID: 75189712438
Option 1 ID: 75189749750
Option 2 ID: 75189749749
Option 3 ID: 75189749752
Option 4 ID: 75189749751
Status: Answered



Q.35 Refer to the following letter series and answer the question.

(Left) BESUYNOAPSBGSAXTG (Right)

How many letters are there in the English alphabetical series between the letter which is sixth from the left end and the letter which is fifth from the right end of the given series?

Ans

√ 1. 4

X 2. 3

X 3. 6

X 4. 5

Question ID: **7518977660**

Option 1 ID: **75189730638** Option 2 ID: **75189730637**

Option 3 ID: **75189730640** Option 4 ID: **75189730639**

Status : Answered

Chosen Option: 3

Q.36 A heating device of power 1100 W is designed to operate at 220 V line voltage. If on a particular day the line voltage drops to 110 V, then the current through it and its output power will be _____ and ____.

Ans

X 1. 10 A, 275 W

× 2. 5 A, 550 W

× 3. 10 A, 550W

Question ID: 75189714108

Option 1 ID: 75189756432

Option 2 ID: **75189756429**

Option 3 ID: 75189756430

Option 4 ID: 75189756431

Status : Answered Chosen Option : 3

Q.37 Bansi starts from Point A and drives 18 km towards the west. He then takes a left turn, drives 8 km, turns right and drives 3 km. He then takes a right turn and drives 4 km, takes a right turn and drives 21 km and stops at Point B. How far and towards which direction should he drive in order to reach Point A from Point B? (All turns are 90 degree turns only)

Ans

✓ 1. 4 km towards the north

× 2. 8 km towards the south

X 3. 6 km towards the east

× 4. 4 km towards the south

Question ID: 75189714489

Option 1 ID: 75189757953

Option 2 ID: 75189757956

Option 3 ID: 75189757955

Option 4 ID: 75189757954

Status : Answered





Q.38 If p and q are co-primes, then p^7 and q^9 are:

Ans ×

× 1. primes

✓ 2. co-primes, and composite numbers

X 3. co-primes, but not composite numbers

× 4 composite numbers, but not co-primes

Question ID : 75189712922
Option 1 ID : 75189751686
Option 2 ID : 75189751688
Option 3 ID : 75189751685
Option 4 ID : 75189751687
Status : Answered

Chosen Option: 3

Q.39 Why do plants lack a defined excretory system like kidneys in mammals?

Ans

✓ 1. They excrete through their vegetative parts

× 2. Because plants do not produce waste materials

X 3.

Because plants produce only gaseous wastes which diffuse out

X 4. Because plants lack a circulatory system

Question ID: 75189712258
Option 1 ID: 75189749029
Option 2 ID: 75189749030
Option 3 ID: 75189749031
Option 4 ID: 75189749032
Status: Answered

Chosen Option: 1

Q.40 The nature of the roots of the quadratic equation $x^2 + 4x + 8 = 0$ is:

Ans

× 1. real, irrational, unequal roots

× 2. real, rational, unequal roots

× 3. real, rational, equal roots

✓ 4. not real roots

Question ID: 75189712847 Option 1 ID: 75189751386 Option 2 ID: 75189751387 Option 3 ID: 75189751388 Option 4 ID: 75189751385

Status : **Answered**

Q.41 If $x \neq y$, and $x^2y - xy^2 : yz(x - y) :: xa^2 - xb^2 : w$, then which of the options below gives an expression equivalent to w?

Ans

$$\sqrt{1} za^2 - zb^2$$

$$\times$$
 2. $a^2 - b^2$

$$\times$$
 3. $za^2 + zb^2$

$$\times$$
 4. $yza^2 - yzb^2$

Question ID: 75189713299 Option 1 ID: 75189753195 Option 2 ID: 75189753196 Option 3 ID: 75189753193 Option 4 ID: 75189753194

Status: Answered

Chosen Option: 1

As of April 2022, what is the maximum strength of Rajya Sabha?

Question ID: 75189712521 Option 1 ID: 75189750083 Option 2 ID: 75189750081

Option 3 ID: 75189750082 Option 4 ID: 75189750084 Status: Not Answered

Chosen Option: --

Q.43 As on August 2022, under the Pradhan Mantri Jeevan Jyoti Bima Yojana(PMJJBY), the life cover of Rs lakhs shall be for the one year period stretching from 1st June to 31st May and will be renewable.

Question ID: 75189711110

Option 1 ID: 75189744437 Option 2 ID: 75189744439 Option 3 ID: 75189744438

Option 4 ID: 75189744440 Status: Answered





Q.44 If the volume of a sphere is 4851 cm³, then find the radius of the sphere. [Use $\pi = \frac{22}{7}$]

Ans X 1. 12.5 cm

√ 2. 10.5 cm

× 3. 11.5 cm

× 4. 13.5 cm

Question ID: 75189712859
Option 1 ID: 75189751435
Option 2 ID: 75189751433
Option 3 ID: 75189751434
Option 4 ID: 75189751436
Status: Not Answered

Chosen Option: --

Q.45 According to the Constitution of India, the 'Protection of life and personal liberty' is a part of which Fundamental Right from the following?

Ans X 1. Right against Exploitation

✓ 2. Right to Freedom

X3. Right to Equality

X 4. Right to Constitutional Remedies

Question ID : 75189712516 Option 1 ID : 75189750064 Option 2 ID : 75189750063 Option 3 ID : 75189750061 Option 4 ID : 75189750062 Status : Not Answered

Chosen Option: --

Q.46 A, B, C, D, E,F and G are seven students standing in a row facing North. D stands at the exact centre of the row. A stands second from the right end of the row. B stands second to the left of D. G stands exactly between D and A. F stands third from the left end of the row. C is the immediate neighbour of B. Who stands fifth from the left end of the row?

Ans

🔭 1. A

X 2. F

X 3. E

√ 4. G

Question ID: 75189714723
Option 1 ID: 75189758891
Option 2 ID: 75189758890
Option 3 ID: 75189758889
Option 4 ID: 75189758892
Status: Answered





Q.47 What does a self-sustaining ecosystem mean?

Ans

√ 1.

The organic matter remains almost constant generation over generation.

X 2.

No organisms are added or removed from the biotic component.

X 3. It is not dependent on radiant energy for its maintenance.

X 4.

The organisms are well adapted to the local biotic components.

Question ID : 75189712307 Option 1 ID : 75189749228 Option 2 ID : 75189749226 Option 3 ID : 75189749225 Option 4 ID : 75189749227 Status : Answered

Chosen Option: 4

Q.48 How does the following organism get rid of its nitrogenous wastes?



Ans

★ 1 Through excretory vacuoles

✓ 2. By simple diffusion

X 3. By secretion

× 4. By depositing crystals in vacuoles

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Question ID: 75189712276
Option 1 ID: 75189749103
Option 2 ID: 75189749102
Option 3 ID: 75189749101
Option 4 ID: 75189749104
Status: Answered

Q.49 Which of the following statements is INCORRECT Mendel's pea plant experiments?

He took a tall plant and a short plant, produced progeny by crossing them and in the resulting F1 progeny, all plants

X 2.

Mendel used a number of contrasting visible characters of garden peas - round/wrinkled seeds, tall/short plants.

Appearance of both the tallness and shortness traits in F2 progeny indicated that both the traits were inherited in the F1 plants.

4.

In the second-generation, or F2 generation which are the progeny of the F1 tall plants, all the plants are tall.

Question ID: 75189712578 Option 1 ID: 75189750310 Option 2 ID: 75189750309 Option 3 ID: **75189750312** Option 4 ID: 75189750311 Status: Not Answered

Chosen Option: --

Simplify the given expression.

$$3x(x-9) - 9x^2 + 2x + 24 - x^3$$

Ans
$$\times$$
 1. $24 + 25x - 6x^2 - x^3$

$$\checkmark$$
 2. $24 - 25x - 6x^2 - x^3$

$$\times$$
 3. 24 - 25x + 6x² - x³

$$\times$$
 4. 24 - 25x - 6x² + x³



Question ID: 75189712995 Option 1 ID: 75189751980 Option 2 ID: 75189751977 Option 3 ID: 75189751979 Option 4 ID: 75189751978 Status: Answered

Chosen Option: 2

Which of the following belongs to homologous series of alkenes?

Question ID: 75189713957 Option 1 ID: 75189755825 Option 2 ID: 75189755827 Option 3 ID: 75189755828 Option 4 ID: 75189755826

Status: Marked For Review

Q.52 The force acting on a current carrying conductor placed in a magnetic field is ____

✓ 1. perpendicular to the direction of current and magnetic field

parallel to the direction of magnetic field and perpendicular to the direction of current

✗ 3 parallel to the direction of current and magnetic field

X 4.

parallel to the direction of current and perpendicular to the direction of magnetic field

Question ID: 75189713869 Option 1 ID: 75189755473 Option 2 ID: 75189755476 Option 3 ID: 75189755474 Option 4 ID: 75189755475

Status: Marked For Review

Chosen Option: 2

Q.53 Which of the following statements regarding reproduction in flowering plants is FALSE?

Ans

1. Reproduction may occur through seeds.

2 Reproduction may occur from fragments of stems.

3. Reproduction may occur through spores.

Reproduction may occur from tissues separated from the plant and grown on an artificial medium.

Question ID: 75189714875 Option 1 ID: 75189759497 Option 2 ID: 75189759498 Option 3 ID: 75189759499 Option 4 ID: 75189759500 Status: Answered

Chosen Option: 4

Identify the quadratic equation one of whose roots is $4 + \sqrt{3}$.

Ans
$$x^1 \cdot x^2 - 8x + 11 = 0$$

$$x^2 + 8x + 11 = 0$$

$$x^3$$
 $x^2 + 8x + 13 = 0$

$$\checkmark$$
 4. $x^2 - 8x + 13 = 0$

Question ID: 75189712838 Option 1 ID: 75189751351 Option 2 ID: 75189751352 Option 3 ID: 75189751349 Option 4 ID: 75189751350

Status: Answered





Q.55 In this question, the statement is followed by four conclusions. Find out which conclusion is NOT true based on the given statement.

 $Statement: I \geq Q \geq P \geq S = U \leq M \leq Z$

Ans

1. P ≥ U

X 2. **Q** > S

X 3. Z > U

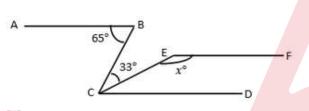
√ 4. I < P
</p>

Question ID: 75189714206 Option 1 ID: 75189756824 Option 2 ID: 75189756821 Option 3 ID: 75189756822 Option 4 ID: 75189756823

Status : Answered

Chosen Option: 4

Q.56 In the given figure, $AB \parallel CD \parallel EF$. The value of x° is:



Ans

X 1. 147°

X 2. 126°

X 3. 115°

√ 4. 148°

Question ID : **75189712874**

Option 1 ID : 75189751493 Option 2 ID : 75189751496 Option 3 ID : 75189751495 Option 4 ID : 75189751494

Status : Answered

Q.57

Simplify
$$\left(\frac{16a^{\frac{4}{3}}b^{\frac{-5}{6}}}{a^{\frac{-2}{3}}b^{\frac{1}{6}}}\right)^{\frac{1}{2}}$$
.

Ans

$$\times$$
 1. $\frac{4a}{b^2}$

$$\times$$
 2. $\frac{a}{b^2}$

$$\times$$
 4. $\frac{1}{(ab)^{\frac{1}{2}}}$

Question ID : 75189713447

Option 1 ID: 75189753788 Option 2 ID: 75189753786 Option 3 ID: 75189753787 Option 4 ID: 75189753785

Status : Answered

Chosen Option: 3

Q.58 Which of the following factors does NOT determine the climate of India?

Ans X 1. Distribution of land and water

✓ 2. Surface area of the country

X 3. Latitude

X 4. Altitude



Question ID : 75189712400

Option 1 ID : **75189749598**Option 2 ID : **75189749600**Option 3 ID : **75189749597**

Option 3 ID: **75189749597** Option 4 ID: **75189749599**

Status : Answered

Chosen Option: 2

Q.59 The marks of a student increased from 10 to 12. Find the percentage increase in the marks.

Ans

Question ID: 75189713286

Option 1 ID: 75189753141

Option 2 ID: 75189753144

Option 3 ID: 75189753143

Option 4 ID: 75189753142

Status: Answered





Q.60 Deeksha travels in her car from City A to City B at a speed of 120 km/h, and while coming back by the same route from City B to City A, she travels at a speed of 130 km/h. Find Deeksha's average speed during the whole journey

Ans X 1. 123.9 km/h

× 2. 122.8 km/h

√ 3. 124.8 km/h

× 4. 125.0 km/h

Question ID: 75189713342
Option 1 ID: 75189753365
Option 2 ID: 75189753366
Option 3 ID: 75189753368

Option 4 ID : **75189753367** Status : **Answered**

Chosen Option: 3

Q.61 In a certain code language, 'ASIDE' is written as 'CVMIK' and 'ARRAY' is written as 'CUVFE'. How will 'BOUND' be written in that language?

Ans

✓ 1. DRYSJ

× 2. DRSJY

X 3. DRJSY

X 4. DRYJS

Question ID: 7518978279
Option 1 ID: 75189733116
Option 2 ID: 75189733114
Option 3 ID: 75189733115
Option 4 ID: 75189733113

Status : **Answered** Chosen Option : **1**

Q.62 If the base area of a right circular cylinder is 346.50 cm² and its height is 21 cm, then find its total surface area.

[Use $\pi = \frac{22}{7}$]

Ans

× 1. 2145 cm²

× 2. 2231 cm²

✓ 3. 2079 cm²

× 4. 2352 cm²

Question ID: 75189712866
Option 1 ID: 75189751462
Option 2 ID: 75189751463
Option 3 ID: 75189751461
Option 4 ID: 75189751464

Status : Not Attempted and Marked For Review





Q.63 Which of the following numbers will replace the question mark (?) in the given series?

1.1 ?

Ans 🔭 1. 2

X 2. 3.3

√ 3. **2.2**

X 4. 1.1

Question ID: 75189712704

Option 1 ID : **75189750813** Option 2 ID : **75189750815**

Option 3 ID : **75189750816**

Option 4 ID : **75189750814**Status : **Answered**

Chosen Option: 3

Q.64 Which of the following Acts empowered the British East India Company to retain the territories and the revenues in India in trust for the crown not for any specified period?

Ans

★ 1. The Government of India Act, 1935

× 2. The Regulating Act, 1773

3.3 4.4 5.5

X 4 The Indian Council Act, 1909

Question ID: 7518978842

Option 1 ID: **75189735368** Option 2 ID: **75189735365**

Option 3 ID : **75189735367**

Option 4 ID : 75189735366 Status : Not Answered

Chosen Option : --

Q.65 If $3\sin^2\theta + 7\cos^2\theta = 6$ and $0 < \theta \le 90^\circ$, then the value of θ is:

Ans

X 1. 90°

X 2. 60°

√ 3. 30°

× 4. 45°

Question ID: 75189712884

Option 1 ID: **75189751533**

Option 2 ID: 75189751534

Option 3 ID: **75189751536**

Option 4 ID: **75189751535**

Status : Answered





Q.66 As on April 2022, under the RBI guidelines, the financial assets of Non Banking Financial Companies (NBFCs) should of the total assets (netted off by intangible assets).

Ans

X 1. 60%

2 50%

× 3. 70%

× 4. 80%

Question ID: 75189712473 Option 1 ID: 75189749890 Option 2 ID: 75189749889 Option 3 ID: 75189749891 Option 4 ID: 75189749892 Status: Not Answered

Chosen Option: --

Q.67 Which of the following languages does NOT enjoy classical status in India?

✓ ¹. Maithili

× 2. Kannada

× 3. Telugu

× 4 Malayalam

Question ID: 75189714048 Option 1 ID: 75189756189 Option 2 ID: 75189756192 Option 3 ID: **75189756190** Option 4 ID: 75189756191 Status: Not Answered

Chosen Option: --

Q.68 Six workers with the initials C, E, G, J, L and M are sitting around a circular table, facing the centre and at equal distance from each other, not necessarily in the same order. J sits at the immediate right of E. E sits second to the left of M. L sits at the left of E. G sits second to the left of L. C sits at the immediate left of L. M sits at the immediate left of G. Who sits second to the left of E?

Ans 🔀 1. J

X 2. G

X 3. M

√ 4. C

Question ID: 75189714958 Option 1 ID: 75189759830

Option 2 ID: 75189759829 Option 3 ID: 75189759831 Option 4 ID: 75189759832

Status: Answered





Q.69 Which of the following sites is NOT suitable for building a water-harvesting pit?

Ans X 1. Near a large and busy international airport

✓ 2. Near a large open landfill site

X 3. In the corner of a small one-storey house

X 4. In the yard of a large housing complex.

Question ID: 75189712327
Option 1 ID: 75189749308
Option 2 ID: 75189749307
Option 3 ID: 75189749306
Option 4 ID: 75189749305
Status: Answered

Chosen Option: 1

Q.70 If $\sqrt{y} \div \sqrt{121} = 0.03$, then find the value of y, giving your answer correct to 3 decimal places.

Ans X 1. 1.760

√ 2. 0.109

× 3. 0.176

× 4. 1.640

Question ID: 75189712902
Option 1 ID: 75189751607
Option 2 ID: 75189751605
Option 3 ID: 75189751606
Option 4 ID: 75189751608
Status: Answered

Chosen Option: 3

Q.71 Which of the following elements shows maximum metallic character?

Ans 🛹 1. Sc

X 2. Ga

X 3. Be

X 4. As

Question ID: **75189714706**Option 1 ID: **75189758823**Option 2 ID: **75189758821**Option 3 ID: **75189758824**

Option 4 ID : **75189758822**

Status: Answered





Q.72 In which year was the Mahatma Gandhi National Rural Employment Guarantee Act passed by the Government of

Ans

X 1. 2000

× 2. 2007

√ 3. 2005

X 4. 2003

Question ID: 7518979406 Option 1 ID: 75189737624 Option 2 ID: 75189737621 Option 3 ID: 75189737622 Option 4 ID: 75189737623

Status: Marked For Review

Chosen Option: 3

Q.73 A ray of light in air is incident at an angle of 60 ° on the surface separating air from a medium of refractive index

 $\sqrt{(3/2)}$. The ray is refracted in the medium at an angle of _____.

Ans

√ 1. 45°

× 2. 15°

X 3. 60°

× 4. 30°

Question ID: 7518976616
Option 1 ID: 75189726463
Option 2 ID: 75189726461
Option 3 ID: 75189726464
Option 4 ID: 75189726462

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.74 Which place receives the highest rainfall in the world?

Ans

X 1. Tura Peak

2. Mawsynram

× 3. Kangto

× 4 Dhupgarh

Question ID: 7518977530
Option 1 ID: 75189730118
Option 2 ID: 75189730117
Option 3 ID: 75189730120
Option 4 ID: 75189730119

Status: Not Answered

Q.75 If a% is the first discount and b% is the second discount on the marked price of an article, then an equivalent single discount percentage is given by:

Ans

$$\checkmark 1. a + b - \frac{ab}{100}$$

$$\times 2 a + b + \frac{ab}{100}$$

$$\times$$
 3. $a+b-\frac{a-b}{100}$

$$\times 4. \ a+b-\frac{a+b}{100}$$

Question ID : 75189713319

Option 1 ID: **75189753274**Option 2 ID: **75189753273**Option 3 ID: **75189753276**Option 4 ID: **75189753275**

Status : **Answered** Chosen Option : **1**

Q.76 Which of the following is NOT a leap year?

Ans

Adda

Question ID: 75189713576

Option 1 ID: 75189754304 Option 2 ID: 75189754302 Option 3 ID: 75189754301 Option 4 ID: 75189754303

Status : Answered

Chosen Option: 2

Q.77 Double displacement reaction occurs between:

Ans

- ★ 1. covalent compounds
- √ 2. ionic compounds
- ★ 3. both ionic and covalent compounds
- × 4 neither ionic nor covalent compounds

Question ID: 75189714769

Option 1 ID: **75189759074**Option 2 ID: **75189759073**Option 3 ID: **75189759075**Option 4 ID: **75189759076**

Status : Answered



Q.78 Who can direct to transfer any civil or criminal case from one State High Court to another State High Court or from a Court subordinate to another State High Court in India?

Ans

★ 1. Chief justice of High Court

X 2. Governor of state

Law commission of India

Question ID: 7518979447 Option 1 ID: 75189737786 Option 2 ID: 75189737788 Option 3 ID: 75189737787 Option 4 ID: 75189737785

Status: Not Answered

Chosen Option: --

Q.79 A certain number of people are sitting in a row, facing north. Only four people are sitting to the left of C. Only three people are sitting to the right of B. A is sitting fourth to the left of B. A is sitting fourth to the right of E. C is sitting third to the left of E. If no other person is sitting in the row, what is the total number of persons seated?

Ans

X 1. 23

X 2. 24

√ 3. **19**

X 4. 21

Question ID: 75189713494
Option 1 ID: 75189753976
Option 2 ID: 75189753973
Option 3 ID: 75189753974
Option 4 ID: 75189753975

Status: Answered





Q.80 In this question, a statement is followed by two conclusions numbered I and II. You have to assume everything in the statement to be true and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement -

Price of onions has increased by 60 percent due to shortage of onions in the market.

Conclusion -

- I. Government can consider importing onions to bring down prices.
- II. People must stop eating onions and switch to potatoes instead.

Ans

- 1. Only conclusion I follows
- 2 Both conclusions I and II follow
- X 3. Only conclusion II follows
- X 4. Neither conclusion I nor II follows

Question ID : **75189713174** Option 1 ID : **75189752693** Option 2 ID : **75189752696**

Option 3 ID : **75189752694** Option 4 ID : **75189752695**

Status: Answered

Chosen Option : 1

Q.81 Which of the following compounds is formed when baking soda is heated?

Ans

- X 1. Calcium oxide
- X 2. Sodium oxide
- X 4 Sodium hydroxide

Question ID: 75189710368

Option 1 ID: 75189741470

Option 2 ID: 75189741469

Option 3 ID: 75189741471

Option 4 ID : **75189741472**

Status : Answered





Q.82 Select the option that represents the letters that, when placed from left to right in the same sequence in the blanks below, will complete the letter series.

ZA__XC__CD_AYBX_ABC_Z_YB_CA__D

Ans X1. YBAAZBDAYBC

X2 YBDBACDBXBC

X3. YBACBCDAXAC

✓ 4. YBABZCDAXBC

Question ID: 75189713094 Option 1 ID: 75189752374 Option 2 ID: 75189752376 Option 3 ID: 75189752373 Option 4 ID: 75189752375

Status : Answered

Chosen Option: 4

Q.83 Which of the following players won a gold at the IBA Women's World Boxing Championship 2022?

Ans X 1. Lekha KC

✓ 2. Nikhat Zareen

X 3. Mary Kom

X 4. Sarita Devi

Question ID : **75189712542**Option 1 ID : **75189750168**Option 2 ID : **75189750165**Option 3 ID : **75189750167**

Option 4 ID : **75189750166**Status : **Not Answered**

Chosen Option : --

Q.84 Straight line FB is parallel to straight line GD. A is a point on straight line FB and C is a point on straight line GD. E is a point between FB and GD such that $\angle BAE = 118^{\circ}$ and $\angle DCE = 112^{\circ}$. What is the measure of $\frac{1}{2}$ $\angle AEC$?

Ans × 1. 75°

√ 2. 65°

X 3. 72°

X 4. 62°

Question ID: 75189712655

Option 1 ID: **75189750620**Option 2 ID: **75189750618**Option 3 ID: **75189750619**

Option 4 ID : **75189750617**Status : **Not Answered**

Chosen Option : --





Q.85 Which of the following compounds has 7 covalent bonds?

Ans

✓ 1. Ethane

X 2. Methane

X 3. Butane

× 4. Propane

Question ID: 75189714750 Option 1 ID: 75189758998 Option 2 ID: 75189759000 Option 3 ID: 75189758999 Option 4 ID: 75189758997 Status: Not Answered

Chosen Option: --

Q.86 What is the rumen?

Ans X 1 The region of the gut where cud is formed

X 2. The first part of the duodenum of a cow

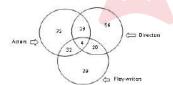
3. A chamber of the stomach to store food

X 4. A sac-like structure of the oesophagus

Question ID: 75189710082 Option 1 ID: 75189740327 Option 2 ID: 75189740328 Option 3 ID: 75189740326 Option 4 ID: 75189740325 Status: Not Answered

Chosen Option: --

Q.87 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many such actors are there who are also directors but NOT play-writers?

Ans

1.19

X 2. 23

X 3. 4

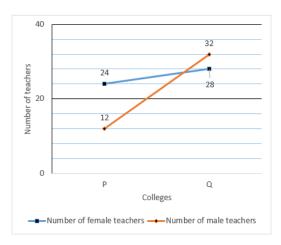
X 4. 32

Question ID: 75189713042 Option 1 ID: 75189752165 Option 2 ID: 75189752168 Option 3 ID: 75189752166

Option 4 ID: 75189752167 Status: Answered

Q.88 Study the given line graph and answer the following question.

The given line graph depicts the number of teachers (male and female) in two colleges P and Q.



The number of female teachers in college P is what percentage of male teachers in college Q?

Ans

- X 1. 80%
- × 2. 90%
- × 3. 85%
- **4.** 75%

Question ID: 75189712721

Option 1 ID : **75189750882**

Option 2 ID: **75189750884**

Option 3 ID: **75189750883**

Option 4 ID : **75189750881** Status : **Answered**

Chosen Option : 4

Q.89 The position of how many letters will remain unchanged if each of the letters in the word BRACKET is arranged in alphabetical order?

Ans

- X 1 Zero
- × 2. One
- √ 3. Two
- × 4. Three

Question ID: 75189713479

Option 1 ID: 75189753914

Option 2 ID: 75189753915

Option 3 ID: 75189753913

Option 4 ID: 75189753916

Status: Answered





Q.90 Which of the following converts acidic food into alkaline in the alimentary canal?

Ans X 1 Pancreatic juice

× 2. Intestinal juice

X 3. Gastric juice

Question ID: 75189710192 Option 1 ID: 75189740768 Option 2 ID: 75189740765 Option 3 ID: 75189740767

Option 4 ID : **75189740766**Status : **Answered**

Chosen Option: 1

Q.91 A number is split into two parts such that one part is 14 more than the other, and the ratio of the two parts is 7:5. Find the number.

Ans

X 1. 54

X 2. 49

√ 3. 84

X 4. 35

Question ID : **75189713007**Option 1 ID : **75189752028**Option 2 ID : **75189752027**Option 3 ID : **75189752025**

Option 4 ID: 75189752026 Status: Not Answered

Chosen Option: --

Q.92 Prakash and Vinesh can complete a certain piece of work in 12 and 14 days, respectively, They started to work together, and after 3 days, Vinesh left. In how many days will Prakash complete the remaining work?

Ans

$$\times$$
 3. $\frac{43}{8}$

$$\times$$
 4. $\frac{44}{7}$

Question ID : **75189713330**

Option 1 ID : **75189753319** Option 2 ID : **75189753320** Option 3 ID : **75189753318**

Option 4 ID : **75189753317** Status : **Answered**





Q.93 XS 18 is related to SN 22 in a certain way. In the same way, KN 28 is related to FI 32. To which of the following is PH 44 related following the same logic?

Ans X 1. KC 47

× 2. CK 48

X 4. CK 74

Question ID: 7518979865 Option 1 ID: 75189739457 Option 2 ID: 75189739459

Option 3 ID: 75189739458 Option 4 ID: 75189739460

Status: Answered

Chosen Option: 3

Q.94 Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow(s) from the given statements.

Statements:

All apples are papayas

Some papayas are berries

Some berries are cherries

Conclusions:

(I) Some berries are papayas

(II) All papayas are apples

(III) Some cherries are berries

Ans

None of the conclusions follow

X 2. Only conclusion II follows

✓ 3. Both conclusions I and III follow

Multiple 4 Only conclusion I follows

Question ID: 75189714524

Option 1 ID: 75189758096 Option 2 ID: 75189758094

Option 3 ID: 75189758095 Option 4 ID: 75189758093

Status: Answered



Q.95 In the following table, mirror, its application and the justification for the application are given. Identify the rows in which the information is completely correct, with regard to given spherical mirrors in column 2.

	Mirror	Application	Justification
1	Concave	Dentist Mirror	Virtual, Erect and Magnified Image
2	Convex	Street Lights	Diverges the light rays hence wider field of view is possible
3	Concave	Solar Furnace	Converges light rays from a distant source like sun
4	Convex	Rearview Mirrors	Virtual erect and enlarged images are formed

X 1, 1, 2, 3 and 4

X 2. Only 1

X 3. Only 1 and 2

Question ID: 75189714097 Option 1 ID: 75189756388

Option 2 ID: 75189756385 Option 3 ID: 75189756386

Option 4 ID: 75189756387 Status: Not Answered

Chosen Option: --

If $21.134 \times 10^x = 0.0021134$, then find the value of x.

Ans **×** 1. −3

X 2. 0

X 3. −2

√ 4. **−4**

Question ID: 75189712906

Option 1 ID: 75189751622

Option 2 ID: 75189751624

Option 3 ID: 75189751623

Option 4 ID: 75189751621

Status: Answered





Q.97 The ages of two persons differ by 14 years. If 4 years ago, the elder one was three times as old as the younger one, then the present age of younger one is:

Ans

× 1. 10 years

× 2. 12 years

4. 13 years

Question ID: 75189712831 Option 1 ID: 75189751321 Option 2 ID: 75189751323 Option 3 ID: 75189751322 Option 4 ID: 75189751324 Status: Answered

Chosen Option: 4

Q.98 Which of the following statements is INCORRECT about soil formation?

Ans

- ✓ 1. Altitude and slope determine the rate of humus formation.
- × 2. Time determines thickness of soil profile.
- × 3. Temperature and rainfall influence rate of weathering.
- A Parent rock determines colour.

Question ID: 75189714010
Option 1 ID: 75189756039
Option 2 ID: 75189756040
Option 3 ID: 75189756038
Option 4 ID: 75189756037
Status: Answered

Chosen Option: 2

Q.99 The marked price of a car is \$5,00,000. Under a scheme successive discount of 10% and 8% are offered on it. Find the total discount offered while selling the car under the given scheme.

Ans

X 1. ₹90,000

× 2. ₹76,000

√ 3. ₹86,000

× 4. ₹82,000

Question ID: 75189713425 Option 1 ID: 75189753698 Option 2 ID: 75189753697 Option 3 ID: 75189753700 Option 4 ID: 75189753699

Status: Answered





Q.100 Which of the following numbers will replace the question mark (?) in the given series?

5, 24, 61, 122, 213, ?

Ans

✓ 1. 340

X 2. 350

X 3. 320

X 4. 334

Question ID: 75189713124

Option 1 ID: **75189752495**

Option 2 ID : **75189752496** Option 3 ID : **75189752493**

Option 4 ID: 75189752494

Status : Answered

Chosen Option: 1

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