





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	iON Digital Zone iDZ Nayanipalli Village
Test Date	11/10/2022
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.

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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:

Few spiders are caterpillars

No caterpillar is a grasshopper

All grasshoppers are bedbugs

Conclusions:

(I) Some bedbugs are not caterpillars

(II) All caterpillars are spiders

(III) All bedbugs are grasshoppers

Either conclusion I or III follows

✓ 2. Only conclusion I follows

X 3. Only conclusion II follows

None of the conclusions follow

Question ID: 75189714528

Option 1 ID: 75189758111 Option 2 ID: 75189758109

Option 3 ID: 75189758110

Option 4 ID: **75189758112** Status: Answered

Chosen Option: 2

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

1.1 1.2 1.4 1.8 2.5 ?

Ans X 1. 3.2

X 2. 3.5

√ 3. 3.6

X 4. 3.7

Question ID: 75189712697

Option 1 ID: 75189750787

Option 2 ID: 75189750786

Option 3 ID: 75189750785

Option 4 ID: 75189750788

Status: Marked For Review



Q.4 The 'Northern Circars' is the name of a _____ in India.

Ans × 1 mountain

2. coastal plain

X 3. waterfall

X 4. river valley

Question ID: 75189712497 Option 1 ID: 75189749985 Option 2 ID: 75189749986

Option 3 ID: 75189749988 Option 4 ID: 75189749987

> Not Attempted and Marked For Review

Chosen Option: --

Amongst six friends A, B, C, D, E and F, each has a different height. B is taller than D but shorter than A. D is not the Q.5 shortest. Only one person is shorter than C. Only two people are shorter than E. Who is the shortest among all the

Ans X 1. B

√ 2. F

X 3. C

X 4. D

Question ID: 75189713161

Option 1 ID: 75189752642 Option 2 ID: 75189752641 Option 3 ID: 75189752643 Option 4 ID: 75189752644

Status: Answered

Chosen Option: 2

Q.6 Refer to the given number, symbol series and answer the question that follows.

(Left) % Ω 8 3 1 S 2 4 @ 6 7 @ 1 & & S 5 # 2 8 @ 3 % & S 3 (Right)

How many such symbols are there (from left to right) which are immediately followed by an even number and also immediately preceded by an odd number?

Ans

√ 1. 2

X 2. 3

X 3. 4

X 4. 1

Question ID: 75189714546

Option 1 ID: 75189758182 Option 2 ID: 75189758183 Option 3 ID: 75189758184

Option 4 ID: 75189758181 Status: Answered





Q.7 A tailor has 22 metres of cloth and he has to cut each metre of cloth into 5 pieces. How many pieces can he get from the 22 metres of cloth he has?

Ans

X 1. 11

X 2. 55

3. 110

× 4. 1110

Question ID : 75189712909
Option 1 ID : 75189751633
Option 2 ID : 75189751634
Option 3 ID : 75189751635
Option 4 ID : 75189751636

Status: Marked For Review

Chosen Option: 3

Q.8 When Mendel crossed tall pea plants with short pea plants, the progeny was all tall plants. When he crossed plants bearing round seeds with plants bearing wrinkled seeds, the progeny was all round seeds. If he crossed tall plants bearing wrinkled seeds with short plants bearing round seeds, what would the progeny plants look like?

Ans

- X 1 Short plants with wrinkled seeds
- × 2. Short plants with round seeds
- X 4. Tall plants with wrinkled seeds

Question ID: 75189710117 Option 1 ID: 75189740467 Option 2 ID: 75189740468 Option 3 ID: 75189740466 Option 4 ID: 75189740465 Status: Not Answered

Chosen Option: --

Q.9 In plants, resins and gums are stored especially in

Ans

X 1 old phloem

X 2. old cortex

× 3. old pith

Question ID: 75189712574

Option 1 ID: 75189750293

Option 2 ID: 75189750296

Option 3 ID: 75189750295

Option 4 ID: 75189750294

Status: Marked For Review





Q.10 Find area of a triangle whose base measures 126.4 cm and height 54.8 cm.

Ans

× 1. 3343.36 cm²

× 2. 9267.72 cm²

× 3. 6926.72 cm²

✓ 4. 3463.36 cm²

Question ID: 75189712083 Option 1 ID: 75189748329 Option 2 ID: 75189748332 Option 3 ID: 75189748331 Option 4 ID: 75189748330

Status: Marked For Review

Chosen Option: 4

Q.11 If 1.345 + 13.45 + 0.1354 + 0.0596 = 11.453 - 0.543 + k, then what is the value of k?

Ans

1. 4.08

× 2. 4.48

× 3. 3.06

X 4. 3.28

Question ID: 75189712601 Option 1 ID: 75189750403 Option 2 ID: 75189750404 Option 3 ID: 75189750401 Option 4 ID: 75189750402 Status: Answered

Chosen Option: 1

Q.12 All 20 students of a class are sitting in a straight row facing east. Ram is 8th from the right end and Sita is 16th from the left end. How many students are sitting between Ram and Sita?

Ans X 1. 3

√ 2. 2

X 3. 4

X 4. 8

Question ID: 75189713175 Option 1 ID: 75189752700 Option 2 ID: 75189752697

Option 3 ID: 75189752698 Option 4 ID: 75189752699

Status: Marked For Review





Q.13 The average weight of 4 persons increases by 3 kg when a person of 53 kg is replaced by a new person. The weight (in kg) of the new person is:

Ans X 1. 62

√ 2. 65

X 3. 67

X 4. 68

Question ID: 75189713438 Option 1 ID: 75189753749 Option 2 ID: 75189753750 Option 3 ID: 75189753751 Option 4 ID: 75189753752 Status: Answered

Chosen Option: 2

Q.14 If the ratio of two exterior angles on the same side of a transversal line intersecting the two parallel lines is 7:5, then how much more is the larger of these two exterior angles than the smaller one?

Ans X 1. 60 °

√ 2. 30 °

X 3. 45 °

X 4. 75 °

Question ID: 75189712871 Option 1 ID: 75189751483 Option 2 ID: 75189751481 Option 3 ID: 75189751482 Option 4 ID: 75189751484

Status: Marked For Review

Chosen Option: 2

Q.15 Rahman goes 20 km towards north from a fixed-point F, then after turning to his right and he goes 15 km. After this he goes 20 km after turning to his right. How far and in what direction is he now with respect to the starting point F?

(All turns are 90° turns only)

Ans

× 1 15 km towards north

2 15 km towards south

3 15 km towards west

4. 15 km towards east

Question ID: 75189713111 Option 1 ID: 75189752443 Option 2 ID: 75189752444 Option 3 ID: 75189752442 Option 4 ID: 75189752441

Status: Answered



Q.16 The melting and boiling points of ionic compounds are very high because _____.

a large amount of energy is required to break the strong inter-ionic attraction

a small amount of energy is required to break the weak inter-ionic attraction

a large amount of energy is required to break the weak inter-ionic attraction

X 4.

a small amount of energy is required to break the strong inter-ionic attraction

Question ID: 75189712809 Option 1 ID: 75189751234 Option 2 ID: 75189751236 Option 3 ID: 75189751235 Option 4 ID: 75189751233

Status: Marked For Review

Chosen Option: 1

Q.17 An electric circuit consumes energy at a rate of 540 W per minute when heated. If the voltage across the circuit is 270 V, what is the resistance of the circuit?

Ans X 1. 270 ohm

√ 2. 135 ohm

× 3. 65 ohm

× 4. 540 ohm

Question ID: 75189713832 Option 1 ID: 75189755327

Option 2 ID: 75189755326 Option 3 ID: 75189755325

Option 4 ID: 75189755328 Status: Answered

Chosen Option: 2

Q.18 A and B invest in a business in the ratio of 7:8 for same time. If 7% of the total profit goes to charity and A's share in profit is ₹12,600, then what is the total amount of profit earned? [Give your answer correct to 2 decimal places.]

Ans × 1. ₹28,025.32

× 2. ₹28,032.25

× 3. ₹29,025.32

Question ID: 75189712944 Option 1 ID: 75189751776

Option 2 ID: 75189751774 Option 3 ID: 75189751775

Option 4 ID: 75189751773

Not Attempted and Status: Marked For Review





Q.19 A class consisting of 30 students took a competitive exam. 18 of these students got an average of 90 marks and the remaining students of this class got an average of 80 marks. What is the average score of the class as a whole?

Ans X 1. 92

× 2. 76

3. 86

X 4. 82

Question ID: 75189712986 Option 1 ID: 75189751943 Option 2 ID: 75189751941 Option 3 ID: 75189751942 Option 4 ID: 75189751944 Status: Answered

Chosen Option: 3

Q.20 Find the smallest number, which when tripled, will leave the remainder as zero on being divided by 5, 15 and 35.

Ans

X 1. 70

× 2. 150

√ 3. **35**

X 4. 100

Question ID: 75189713281 Option 1 ID: 75189753124 Option 2 ID: 75189753122 Option 3 ID: 75189753123 Option 4 ID: 75189753121

Status: Marked For Review

Chosen Option: 3

Q.21 Which of the following properties is required for a material to be used in filament of an electric bulb?

Ans

X 1. Low melting point

× 2. Low temperature

X 3. High conductivity

Question ID: 75189713792 Option 1 ID: 75189755166 Option 2 ID: 75189755165

Option 3 ID: 75189755168 Option 4 ID: 75189755167

Status: Marked For Review

Q.22 All 28 students of a class are standing in a straight row facing north. Jay is 14th from the right end, while Bela is 12th from the left end. How many students stand between Jay and Bela?

Ans

√ 1. 2

X 2. 3

X 3. 4

X 4. 1

Question ID: 75189714454 Option 1 ID: 75189757813 Option 2 ID: 75189757814 Option 3 ID: 75189757815 Option 4 ID: 75189757816

Status: Answered

Chosen Option: 1

Q.23 Who won a bronze medal at the U23 Asian Wrestling Championships in 2022?

Ans

X 1. Sushil Kumar

X 2. Anshu Malik

X 3. Ravi K Dahiya

4. Deepak Punia

Question ID: 75189712548 Option 1 ID: 75189750192 Option 2 ID: 75189750191

Option 3 ID: 75189750190 Option 4 ID: 75189750189

Status: Marked For Review

Chosen Option: 4

Q.24 Consider the following reaction.

$$Na_2SO_4(aq) + BaCl_2(aq)$$
 -

ightharpoonup BaSO₄(s) + 2NaCl (s)

This reaction is an example of:

Ans X1. combination reaction

× 2. displacement reaction

× 3. decomposition reaction

4 precipitation reaction

Question ID: 75189714674

Option 1 ID: 75189758696 Option 2 ID: 75189758695 Option 3 ID: 75189758694

Option 4 ID: 75189758693

Status: Marked For Review

Q.25 A statement is given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $A \ge S \ge D \ge F \le G \le H$

Ans

$$\times$$
 2. $S = H$

Question ID: 7518978217 Option 1 ID: 75189732866 Option 2 ID: 75189732867 Option 3 ID: 75189732868

Option 3 ID : **75189732868** Option 4 ID : **75189732865**

Status: Answered

Chosen Option : 1

Q.26 Simplify the given expression.

$$2(x^2 + y^2)^2 - 3xy(x^2 + y^2) - 2x^2y^2$$

Ans

$$\times$$
 1. $(x^2+y^2-xy)(2x^2+2y^2-xy)$

$$\checkmark$$
 2. $(2x^2+2y^2+xy)(x^2+y^2-2xy)$

$$\times$$
 3. $(x^2+y^2+xy)(2x^2+2y^2+xy)$

$$\times$$
 4. $(2x^2+2y^2-xy)(x^2+y^2-2xy)$

Question ID : 75189711773
Option 1 ID : 75189747091
Option 2 ID : 75189747089
Option 3 ID : 75189747092
Option 4 ID : 75189747090

Status : Not Attempted and Marked For Review





Q.27 The production function of a firm is a relationship between inputs used and ______

Ans

- X 1 quantity of inputs used by the firm
- × 2. quality of inputs used by the firm
- X 4. price of inputs used by the firm

Question ID: 75189712386 Option 1 ID: 75189749542 Option 2 ID: 75189749544 Option 3 ID: 75189749543 Option 4 ID: 75189749541

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.28 In an electric motor, the

act(s) as a contact between the commutator and the terminals of the battery.

Ans

- × 1 magnetic poles
- × 2. split ring
- × 3. plug key
- ✓ 4. carbon brushes

Question ID: 75189713877 Option 1 ID: 75189755507 Option 2 ID: 75189755505 Option 3 ID: 75189755508 Option 4 ID: 75189755506

Status: Marked For Review

Chosen Option: 2

Q.29 The conversion of ethanol to acetic acid is an example of:

Δne

- × 1. substitution reaction
- √ 2. oxidation reaction
- × 3. addition reaction
- × 4. reduction reaction

Question ID : **75189714651** Option 1 ID : **75189758604**

Option 2 ID : **75189758602** Option 3 ID : **75189758601** Option 4 ID : **75189758603**

Status : Marked For Review





Q.30 Carbon makes strong bonds with other elements.

Which of the following is the correct explanation for the given statement?

Ans X

A carbon nucleus holds the shared pairs of electrons weakly due to its small size.

2

A carbon nucleus holds the shared pairs of electrons strongly due to its small size.

X 3

A carbon nucleus holds the shared pairs of electrons strongly due to its large size.

X 4.

A carbon nucleus holds the shared pairs of electrons weakly due to its large size.

Question ID: 75189711849
Option 1 ID: 75189747394
Option 2 ID: 75189747393
Option 3 ID: 75189747395
Option 4 ID: 75189747396

Status: Marked For Review

Chosen Option : 2

Q.31 Which of the following is a balanced food in itself?

Ans X 1. Pulses

✓ 2. Milk

X 3. Meat

× 4. Honey

Question ID : 75189710218
Option 1 ID : 75189740872
Option 2 ID : 75189740869
Option 3 ID : 75189740871
Option 4 ID : 75189740870
Status : Marked For Review

Chosen Option: 2

Q.32 India's first amputee clinic was launched in which place?

Ans

✓ 1. Chandigarh

× 2. Bhopal

X 3. Bengaluru

× 4. Kanpur

Question ID: 75189713977 Option 1 ID: 75189755908 Option 2 ID: 75189755905 Option 3 ID: 75189755906 Option 4 ID: 75189755907

Status : Not Attempted and Marked For Review





Q.33 In the year 2021, who among the following became the first Indian Chairperson of the United Nations Advisory Committee of the Human Rights Council (HRC)?

Ans

- X 1. Syed Akbaruddin
- X 2. Nirupama Rao
- X 3. Barakat Ahmad
- 4. Ajai Malhotra

Question ID: 75189710536
Option 1 ID: 75189742142
Option 2 ID: 75189742144
Option 3 ID: 75189742141
Option 4 ID: 75189742143

Status: Marked For Review

Chosen Option: 3

- Q.34 Identify the FALSE statement in the context of digestion.
- Ans X 1 Assimilation and absorption both occur before egestion.
 - X 2. Digestion comes before egestion but after ingestion.
 - X 3. Absorption comes before assimilation but after digestion.
 - ✓ 4. Assimilation comes before ingestion but after absorption.

Question ID : **75189710083**Option 1 ID : **75189740332**Option 2 ID : **75189740329**Option 3 ID : **75189740330**Option 4 ID : **75189740331**

Status: Marked For Review

Chosen Option: 3

Q.35 Which of the following numbers will replace the question mark (?) in the given number series?

590, 605, 588, 607, 586, ?

Ans

X 1. 611

2. 609

X 3. 613

× 4. 605

Question ID : Option 1 ID : Option 2 ID : Option 3 ID :

Option 4 ID : **75189754542**Status : **Answered**





Q.36 Six friends are sitting around a round table facing the centre with equal distances between two neighbours. Sarah is sitting to the immediate left of Laura. Ron is sitting second to the right of Tyler. Sarah is sitting third to the left of Adam. Laura is sitting to the immediate left of Tyler. Tessa is sitting to the immediate right of Ron. Who is sitting to the immediate left of Sarah?

Ans

X 1. Laura

2. Tessa

X 3. Ron

X 4. Tyler

Question ID: 75189714158
Option 1 ID: 75189756630
Option 2 ID: 75189756629
Option 3 ID: 75189756631
Option 4 ID: 75189756632

Status: Marked For Review

Chosen Option: 2

Q.37 The respiratory pigment, haemoglobin is present in:

Ans

X 1 blood platelets

× 2 white blood corpuscles

4. blood plasma

Question ID: 75189710193
Option 1 ID: 75189740772
Option 2 ID: 75189740770
Option 3 ID: 751897407769
Option 4 ID: 75189740771
Status: Answered

Chosen Option: 3

Q.38 What does the cost of self-owned inputs used in the production process refer to?

Ans

★ 1 Total cost

2. Marginal cost

X 3. Total variable cost

4. Implicit cost

Question ID : **75189714068** Option 1 ID : **75189756269**

Option 2 ID : **75189756271** Option 3 ID : **75189756270** Option 4 ID : **75189756272**

Status : Not Attempted and Marked For Review





Q.39 In a certain code language, 'MATCH' is written as 'NDYJQ' and 'SKULL' is written as 'TNZSU'. How will 'CHAMP' be written in that language?

Ans X 1. ELFTY

✓ 2. DKFTY

X 3. DJFTZ

X 4. EJFTZ

Question ID: 75189714472 Option 1 ID: 75189757886 Option 2 ID: 75189757885 Option 3 ID: 75189757887 Option 4 ID: 75189757888

Status: Marked For Review

Chosen Option: 2

Q.40 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.

6:27::8:7::12:54

Ans X 1. 34

X 2. 35

X 3. 32

√ 4. 36

Question ID: 75189714118 Option 1 ID: 75189756472 Option 2 ID: 75189756469 Option 3 ID: 75189756470 Option 4 ID: 75189756471 Status: Answered

Chosen Option: 4

Q.41 The marked price of an article is ₹1,820 and its selling price is ₹1,420. Find the discount percentage. (Round the answer to the nearest whole number.)

Ans X 1. 26%

X 2. 25%

√ 3. 22%

× 4. 28%

Question ID: 75189713320

Option 1 ID: 75189753280 Option 2 ID: 75189753278 Option 3 ID: 75189753277 Option 4 ID: 75189753279

Status: Answered





Q.42 Which of the following ports is located along the east coast of India?

Ans

✓ 1. Paradip

× 2. Kandla

X 3. Mazagaon

Question ID : **75189712404** Option 1 ID : **75189749615**

Option 2 ID: **75189749613**Option 3 ID: **75189749614**Option 4 ID: **75189749616**

Status : Answered

Chosen Option : 1

Q.43 Mining causes pollution because of the large amount of:

Ans

★ 1. sludge

X 3. ore

× 4. slurry

Question ID: **75189710306**

Option 1 ID : **75189741223** Option 2 ID : **75189741222**

Option 3 ID: **75189741224** Option 4 ID: **75189741221**

Status: Marked For Review

Chosen Option: 3

Q.44 A trader owes a merchant ₹9,000 due in one year. However, the trader wants to settle the amount after 4 months. If the rate of interest is 6% per annum, then, how much money should be pay? (Give your answer correct to the nearest whole number value.)

Ans

× 1. ₹8,686

√ 2. ₹8,654

× 3. ₹8,645

× 4. ₹8,688

Question ID: 75189712971

Option 1 ID : 75189751881

Option 2 ID: **75189751883** Option 3 ID: **75189751884**

Option 4 ID: 75189751882

Status : Not Attempted and Marked For Review





Q.45 Refer to the following letter-symbol series and answer the question that follows:

(Left) SR ^ * *F SV #Y @ ZYT GBY S & ZR SV @ ^ CYN (Right)

From left how many such letters are there that are immediately preceded by a symbol and immediately followed by a

Ans

X 1. 4

X 2. 7

√ 3. **3**

X 4. 5

Question ID: 7518977985

Option 1 ID: 75189731938 Option 2 ID: 75189731940 Option 3 ID: 75189731937

Option 4 ID: 75189731939

Status: Answered

Chosen Option: 3

Q.46 A sum of ₹5,000 is divided into two parts. One part is deposited in bank A at simple interest at 5% per annum, and the other part is deposited in bank B at simple interest at 10% per annum. If the total annual interest received is ₹325, then the money deposited in bank A was:

Ans × 1. ₹5,000

√ 2. ₹3,500

× 3. ₹4,000

× 4. ₹1,500

Question ID: 75189713303

Option 1 ID: 75189753210

Option 2 ID: 75189753211

Option 3 ID: 75189753212 Option 4 ID: 75189753209

Status: Marked For Review

Chosen Option: 2

Q.47 In March 2022, has been elected as the superior general of the Missionaries of Charity, becoming the fourth occupant of the top post of the global organisation founded by Saint Teresa of Kolkata.

Ans

★ 1 Sister Anselm

X 2. Sister Mary Prema Pierick

× 3. Sisters Marguerite

4. Sister Mary Joseph

Question ID: 75189711102

Option 1 ID: 75189744408

Option 2 ID: 75189744405

Option 3 ID: 75189744407

Option 4 ID: 75189744406

Not Attempted and Status: Marked For Review





Q.48 Which Indian golfer was the runner-up at the Players Championship 2022 at Florida?

Ans 🔀 1. Shiv Kapur

✓ 2. Anirban Lahiri

X 3. Arjun Atwal

X 4. Gaurav Ghei

Question ID: 75189712112
Option 1 ID: 75189748445
Option 2 ID: 75189748446
Option 3 ID: 75189748448
Option 4 ID: 75189748447

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.49 Refer to the following letter series and answer the question that follows.

PLMOKIJNBHUYGAVECFT

How many such consonants are there in the above series, each of which is immediately preceded by a vowel and immediately followed by a vowel?

Ans

✓ 1. Two

× 2. Zero

X 3. One

X 4. Three

Question ID: 7518978991

Option 1 ID: 75189735963

Option 2 ID: 75189735961

Option 3 ID : **75189735962** Option 4 ID : **75189735964**

Status : Answered





Q.50 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:

Providing LPG connections to BPL (Below Poverty Level) households will ensure universal coverage of cooking gas in country X.

Conclusions:

- I. Usage of traditional cooking fuels such as firewood, coal, etc., is a common practice in rural parts of country X.
- II. No other mode of cooking is as effective as using LPG.

Ans

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

Question ID: 75189715123
Option 1 ID: 75189760491
Option 2 ID: 75189760492
Option 3 ID: 75189760489
Option 4 ID: 75189760490
Status: Answered

Chosen Option: 3

Q.51 Suppose an object of height 5 cm is placed in front of a concave mirror and a real and inverted image of the same size is formed at a distance of 20.0 cm. Then the centre of curvature of the mirror is at:

Ans

- X 1. 10 cm
 - √ 2. 20 cm
- × 3. 15 cm
- × 4. 5 cm

Adda

Question ID: 75189712178
Option 1 ID: 75189748710
Option 2 ID: 75189748712
Option 3 ID: 75189748711

Option 4 ID : **75189748709**

Status : Not Attempted and Marked For Review





Q.52 U, V, W, X, Y and Z are six students sitting around a circular table, facing the centre of the table for a school assignment. X is the immediate neighbour of W. V is seated third to the left of W. U is seated to the immediate right of Y. V is seated second to the right of X. Who is seated third to the left of Z?

Ans

X 2. W

X 3. Y

√ 4. U

Question ID: 75189714582 Option 1 ID: 75189758328 Option 2 ID: 75189758327 Option 3 ID: 75189758326 Option 4 ID: 75189758325

Status: Marked For Review

Chosen Option: 3

Simplify the given expression.

$$\frac{z(x^3-y^3)}{x^2+xy+y^2} + \frac{x(y^3-z^3)}{y^2+yz+z^2} + \frac{y(z^3-x^3)}{z^2+zx+x^2}$$

Ans
$$x_1$$
 $x - y - z$

$$x^3 \cdot x^2 + y^2 + z^2$$

$$\times$$
 4 $x + y + z$

Question ID: 75189711778 Option 1 ID: 75189747111 Option 2 ID: 75189747112 Option 3 ID: 75189747110 Option 4 ID: 75189747109 Status: Not Answered

Chosen Option: --

Q.54 In a certain alpha-numeric code, 'PLATE' is written as 45 and 'BLEAK' is written as 13. How will 'PASTE' be written in the same code?

Ans X 1. 12

X 2. 21

X 3. 54

4. 16

Question ID: 75189714639 Option 1 ID: 75189758556 Option 2 ID: 75189758555 Option 3 ID: 75189758554 Option 4 ID: 75189758553 Status: Answered





3 men can complete a piece of work in 6 days while 6 women can do it in 5 days. In how many days can 5 women and 3 men complete it?

Ans

× 1. 5 days

× 2. 4 days

× 3. 6 days

Question ID: 75189712980 Option 1 ID: 75189751919 Option 2 ID: 75189751918 Option 3 ID: 75189751920 Option 4 ID: 75189751917

Status: Marked For Review

Chosen Option: 4

What was the main reason behind Mendel's success in deriving the laws of inheritance?

Ans

1. He selected the pea plant.

2. He studied only one character at a time in his crosses.

3. He chose parents that were identical.

X 4.

He counted the individuals exhibiting a particular trait in each generation.

Question ID: 75189714857 Option 1 ID: 75189759428 Option 2 ID: 75189759426 Option 3 ID: 75189759425 Option 4 ID: 75189759427

Status: Marked For Review

Chosen Option: 4

Q.57 If a an b are the roots of the equation $x^2 + 5x + 4 = 0$, then the value of $\frac{a^2 + b^2}{a^2 + b^2 - 4}$ is:

Ans **×** 1. −6

√ 2. **−5**

X 3. −4

× 4. −7

Question ID: 75189712852 Option 1 ID: 75189751407 Option 2 ID: 75189751406 Option 3 ID: 75189751405 Option 4 ID: 75189751408

> Not Attempted and Status: Marked For Review



Q.58 A device employed to produce large currents for use in homes and industry is	
---	--

Ans X 1. electric motor

X 2. electric toaster

X 4. electric kettle

Question ID : 75189713891 Option 1 ID : 75189755561 Option 2 ID : 75189755564 Option 3 ID : 75189755563 Option 4 ID : 75189755562

Status: Marked For Review

Chosen Option: 3

Q.59 Pawl Kut is the greatest of all the festivals celebrated in the state of _____.

Ans

★ 1 Meghalaya

× 2. Kerala

X 3. Goa

4. Mizoram

Question ID: 75189713989
Option 1 ID: 75189755954
Option 2 ID: 75189755955
Option 3 ID: 75189755956
Option 4 ID: 75189755953
Status: Answered

Chosen Option: 4

Q.60 Which of the following is India's first AI-based job platform for persons with disabilities?

Ans

1. Swarajability

X 2. Ujalaability

X 3. Jeevanability

X 4. Bhartability

Question ID : **75189712439** Option 1 ID : **75189749756** Option 2 ID : **75189749754**

Option 3 ID : **75189749755** Option 4 ID : **75189749753**

Status: Answered





Q.61 Focal length of the concave mirror which can produce magnification of -2 and real image at a distance 1.5 m from the

Ans X 1. 5 m

× 2. 0.5 m

√ 3. 1.5 m

X 4. 2 m

Question ID: 75189714087 Option 1 ID: 75189756346 Option 2 ID: 75189756345 Option 3 ID: 75189756347 Option 4 ID: 75189756348 Status: Not Answered

Chosen Option: --

Q.62 Select the correct Dobereiner's triads from the given sets.

Ans X 1. Ca, Sr, I

X 2. Li, Na, Ba

× 4. F, Cl, Br

Question ID: 75189714690 Option 1 ID: 75189758759 Option 2 ID: 75189758757 Option 3 ID: 75189758760 Option 4 ID: 75189758758 Status: Answered

Chosen Option: 3

Q.63 The substance which doctors use as plaster for supporting fractured bones in the right position is:

Ans X 1. Na₂CO₃.10H₂O

× 2. CuSO₄.5H₂O

× 3. CaSO₄.2H₂O

✓ 4. CaSO₄.½H₂O

Question ID: 7518979660
Option 1 ID: 75189738640
Option 2 ID: 75189738639
Option 3 ID: 75189738638
Option 4 ID: 75189738637
Status: Answered



Q.64 If '+' means '+', '-' means '+', '*' means '-' and '+' means 'x', what will be the value of the following expression?

 $[\{(16 \times 6) - (2 \div 3)\} + (4 - 4)] \div 2$

Ans 🔀 1. 8

X 2. 6

3. **4**

X 4. 2

Question ID: 75189714570

Option 1 ID: 75189758279 Option 2 ID: 75189758280

Option 3 ID: 75189758277 Option 4 ID: 75189758278

Status: Marked For Review

Chosen Option: 3

Q.65 The area of a triangle whose sides measures 10 cm, 12 cm and 14 cm is:

Ans

 \times 1 32 $\sqrt{3}$ cm²

× 2. $25\sqrt{5}$ cm²

× 3. $30\sqrt{2}$ cm²

 \checkmark 4. 24√6 cm²

Question ID: 75189712854

Option 1 ID: 75189751413 Option 2 ID: 75189751416 Option 3 ID: 75189751415

Option 4 ID: 75189751414

Status: Marked For Review

Chosen Option: 4

Q.66 Which of the following properties remain same while moving down the group in the periodic table?

× 1 Non-metallic character

X 2. Atomic size

★ 3. Metallic character

√ 4. Valency

Question ID: 75189714699

Option 1 ID: 75189758796 Option 2 ID: 75189758794

Option 3 ID: 75189758795 Option 4 ID: 75189758793

Status: Marked For Review



Q.67 A ______ is a retail establishment that combines a department store and a grocery supermarket.

Ans

√ 1. hypermarket

× 2. supermarket

X 3. minimart

× 4. hitmart

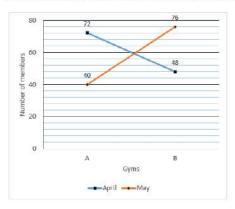
Question ID: 75189714071
Option 1 ID: 75189756281
Option 2 ID: 75189756284
Option 3 ID: 75189756282
Option 4 ID: 75189756283

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.68 Study the given line graph and answer the following question.

The given line graph depicts the number of members in two gyms A and B, in the months of April and May.



The number of members in Gym B in April is what percentage more than the number of members in Gym A in May?

Ans

× 1. 10%

2. 20%

X 3. 12%

× 4. 40%

Question ID : **75189712722** Option 1 ID : **75189750886**

Option 2 ID : **75189750887** Option 3 ID : **75189750885** Option 4 ID : **75189750888**

Status: Marked For Review

Q.69 Clouds can be seen as white because the small water droplets of the cloud _____.

X 1 do not scatter any one of the wavelengths of visible light

scatter very high amount of red and blue wavelength of visible light

scatter all the wavelengths of the visible light with almost equal intensity

scatter very less amount of red and blue wavelength of visible light

Question ID: 75189712214 Option 1 ID: 75189748853 Option 2 ID: 75189748856 Option 3 ID: 75189748855 Option 4 ID: 75189748854

Not Attempted and Status: Marked For Review

Chosen Option: --

Q.70 Seven boxes S, T, U, V, W, X and Y are kept one over the other but not necessarily in the same order. X is kept immediately below V. Only two boxes are kept above U. T is kept immediately above S. U is kept immediately above V. Only two boxes are kept below X. How many boxes are below V?

Ans

X 1. One

X 2. Two

× 3. Four

√ 4. Three

Question ID: 75189713542 Option 1 ID: 75189754167 Option 2 ID: 75189754166 Option 3 ID: 75189754168 Option 4 ID: 75189754165 Status: Marked For Review

Chosen Option: 4

Which of the following equations does NOT have real roots?

$$\checkmark$$
 1. $6x^2 - 14x + 9 = 0$

$$x^2$$
 $3x^2 - 5x + 2 = 0$

$$x^3$$
 $x^2 - 4x - 3 = 0$

$$x^4$$
 $x^2 - 7x + 5 = 0$

Question ID: 75189712650 Option 1 ID: 75189750600 Option 2 ID: 75189750597 Option 3 ID: 75189750598 Option 4 ID: 75189750599

Status: Marked For Review

Q.72 Each of the digits in the number 46734 is arranged in ascending order from left to right. The position of how many digits will change as compared to that in the original number?

Ans X 1. 2

∧ 1. 2

X 2. 3

X 3. 4

4. 5

Question ID: 75189713241 Option 1 ID: 75189752964 Option 2 ID: 75189752963 Option 3 ID: 75189752962 Option 4 ID: 75189752961

Status : Answered

Chosen Option: 4

Q.73 Simplify the given expression.

$$\frac{x^2 + 3x - 10}{x^2 - 25} \times \frac{x^2 + 3x + 2}{x^2 - 4} \times \frac{x(x+2)}{(x+1)^2 + (x+1)}$$

Ans

- \times 1. $\frac{x-5}{x}$
- \times 2. $\frac{x+5}{x}$
- \times 3. $\frac{x}{x+5}$
- \checkmark 4. $\frac{x}{x-5}$



Question ID: 75189712642

Option 1 ID: 75189750567 Option 2 ID: 75189750565 Option 3 ID: 75189750566 Option 4 ID: 75189750568

Status: Not Answered



Q.74 In \(\triangle \) ABC, AD \(\triangle \) BC at D, BE \(\triangle \) AC at E and AD and BE intersect at a point F (in the interior of the triangle). If BF = AC, then which of the following is correct?

Ans

 \times 2. $\triangle CAD \cong \triangle BFD$

× 3. ΔCAD ≅ ΔDBF

 \times 4. $\triangle CAD \cong \triangle DFB$

Question ID: 75189712659
Option 1 ID: 75189750634
Option 2 ID: 75189750635
Option 3 ID: 75189750633
Option 4 ID: 75189750636

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.75 When a Tirthankara leaves a mortal body, it is known as ______.

An

🔀 1. Janma Kalyana

X 2. Tapa Kalyana

X 3. Siddhashila

4. Nirvana

Question ID : 75189714058
Option 1 ID : 75189756231
Option 2 ID : 75189756230
Option 3 ID : 75189756229
Option 4 ID : 75189756232
Status : Marked For Review

Chosen Option: 4

Q.76 When we consider biodegradable substances, we see that the common property is that

Ans

★ 1. they are all water-soluble

× 2. they are all plant products

 \checkmark 3. they are all biological in origin

× 4 they are not toxic

Question ID: 75189712316 Option 1 ID: 75189749263 Option 2 ID: 75189749261 Option 3 ID: 75189749264 Option 4 ID: 75189749262

Status: Marked For Review





Q.77 Dibru-Saikhowa National Park is located in which of the following states?

Ans

√ 1. Assam

2. Meghalaya

× 3. Nagaland

X 4. Mizoram

Question ID : 75189712501 Option 1 ID : 75189750001 Option 2 ID : 75189750003 Option 3 ID : 75189750002 Option 4 ID : 75189750004

Status: Answered

Chosen Option : 1

Q.78 Ashutosh walks 90 m towards north from his house, then he turns left and walks 110 m. He again turns left and walks 150 m. He then turns left again, and covers a distance of 130 m. In which direction is Ashutosh now, with respect to the starting point? (All turns are 90° turns only)

Ans

✓ 1. South-east

× 2. North-east

X 3. North-west

X 4. South-west

Question ID: 75189713117
Option 1 ID: 75189752465
Option 2 ID: 75189752466
Option 3 ID: 75189752467
Option 4 ID: 75189752468
Status: Answered

Chosen Option: 1

Q.79 In the given letter-cluster pairs, the first letter-cluster is related to the second letter-cluster following a certain logic.

Study the given pairs carefully, and from the given options, select the pair that follows the same logic.

ACR : BDS GUX : HVY

Ans

X 1. SIO: KQP

✓ 2. MQF: NRG

X 3. OIF: NHE

★ 4. HJL: SQO

Question ID: 75189714923 Option 1 ID: 75189759692 Option 2 ID: 75189759690 Option 3 ID: 75189759689 Option 4 ID: 75189759691

Status : Answered





Q.80 Which of the following schemes is aimed at better administration of Waqf properties and safeguarding and preventing the encroachment of these properties?

Ans

- X 1 Awami Waqf Board Taraqqiati Scheme (AWBTS)
- 2. Qaumi Waqf Board Taraqqiati Scheme (QWBTS)
- 3 Molana Waqf Board Taraqqiati Scheme (MWBTS)
- ★ 4. Islamic Waqf Board Taraqqiati Scheme (IWBTS)

Question ID: 75189712454 Option 1 ID: 75189749815 Option 2 ID: 75189749816 Option 3 ID: 75189749813 Option 4 ID: 75189749814 Status: Not Answered

Chosen Option: --

Q.81 A copper wire has radius 0.5 mm and length 100 m. If the resistivity of the material is 2.5 × 10-8 ohm -m, then the resistance of the wire is

- Ans \times 1. 10π ohm
 - \times 2 1000 π ohm
 - \times 3. 1000 / π ohm
 - \checkmark 4. 10 / π ohm

Question ID: 75189713800 Option 1 ID: 75189755198 Option 2 ID: 75189755199 Option 3 ID: 75189755197 Option 4 ID: 75189755200

Status: Marked For Review

Chosen Option: 3

Q.82 If $12600 = p^3 \times q^2 \times r^2 \times s^1$, where p, q, r and s are consecutive prime numbers in ascending order, then what is the value of (3p+2q-r+s)?

- Ans X 1. 12
 - X 2. 13
 - **√** 3. **14**
 - × 4. 17

Question ID: 75189712612 Option 1 ID: 75189750445

Option 2 ID: 75189750446 Option 3 ID: 75189750447 Option 4 ID: 75189750448

Status: Marked For Review





Q.83 Ao is a prominent language spoken in the state of ______.

Ans

X 1 Chhattisgarh

× 2. Tripura

X 4. Odisha

Question ID: 75189712138

Option 1 ID: 75189748551

Option 2 ID: 75189748550

Option 3 ID: 75189748549

Option 4 ID: 75189748552

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.84 Which Articles of the Constitution of India deals with the provision of Attorney General of India?

Ans

✓ 1. Article 76

X 2. Article 56

X 3. Article 66

X 4. Article 46

Question ID: 7518979444
Option 1 ID: 75189737774
Option 2 ID: 75189737775
Option 3 ID: 75189737773
Option 4 ID: 75189737776
Status: Answered

Chosen Option: 1

Q.85 Which of the following is NOT a leap year?

Ans

X 1. 6800

√ 2. 2600

× 3. 8800

× 4. 4800

Question ID : **75189713580** Option 1 ID : **75189754319**

Option 2 ID : **75189754317** Option 3 ID : **75189754320**

Option 4 ID : **75189754318**

Status: Answered





Q.86 Which of the following options is the closest approximate value which will come in place of the question mark (?) in the following equation?

20.01% of 320.002 + 121.99 =?

Ans

× 1. 174

X 2. 154

X 3. 162

4. 186

Question ID: 75189712718

Option 1 ID: **75189750871**

Option 2 ID: **75189750869** Option 3 ID: **75189750870**

Option 4 ID : **75189750872** Status : **Answered**

Chosen Option: 4

Q.87 Select the option that is related to the fifth number in the same way as the second number is related to the first number, the fourth number is related to the third number.

23:14::11:8::7:?

Ans

√ 1. 6

X 2. 4

X 3. 8

X 4. 5

Question ID: 75189713233

Option 1 ID : **75189752930** Option 2 ID : **75189752931**

Option 3 ID: 75189752932

Option 4 ID: 75189752929

Status : Not Attempted and

Marked For Review

Chosen Option: --

Q.88 Which of the following states has started the 'Kudumbashree' programme which plays a vital role in enhancing the financial status of the less privileged women in the State through its thrift and credit programme?

Ans

X 1. Assam

× 2. West Bengal

√ 3. Kerala

X 4. Odisha

Question ID: 75189712477

Option 1 ID : 75189749906

Option 2 ID: 75189749907

Option 3 ID: 75189749905

Option 4 ID: 75189749908

Status: Marked For Review





Q.89 $cot\theta \left(\frac{1}{cosec\theta-1} + \frac{1}{cosec\theta+1}\right) \times (sin\theta-cosec\theta)(cos\theta-sec\theta), 0^{\circ} < \theta < 90^{\circ}, \text{ is equal to:}$

Ans $\sqrt{1.2} \sin \theta$

× 2. cosec θ

× 3. 2 cos θ

× 4. sec θ

Question ID: 75189712661 Option 1 ID: 75189750643 Option 2 ID: 75189750641 Option 3 ID: 75189750644 Option 4 ID: 75189750642

> Not Attempted and Status : Marked For Review

Chosen Option: --

Q.90 Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

Statements:

All Bats are Mammals.

Some Bats are Viruses.

All Viruses are Diseases.

Conclusions:

(I) Some Bats are Diseases.

(II) Some Mammals are Viruses.

Ans

1 Both conclusions (I) and (II) follow.

× 2. Neither conclusion (I) nor (II) follows.

3. Only conclusion (I) follows.

X 4. Only conclusion (II) follows.

Question ID: 75189714589

Option 1 ID: 75189758355

Option 2 ID: 75189758356 Option 3 ID: 75189758353 Option 4 ID: 75189758354

Status: Answered



Q.91 The sum of two consecutive multiples of 8 is 56. The greater of these two multiples is:

Ans

X 1. 24

× 2. 42

X 3. 23

√ 4. 32

Question ID : 75189713005 Option 1 ID : 75189752017 Option 2 ID : 75189752018

Option 3 ID: **75189752020** Option 4 ID: **75189752019**

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.92 Two trains of equal length are running on parallel lines in the same direction at speeds of 46 km/h and 36 km/h. The faster train passes the slower train in 36 seconds. The relative speed of these two trains (in m/s) is:

Ans



× 2. $\frac{25}{18}$

 \times 3. $\frac{25}{8}$

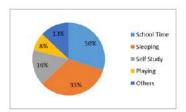
 \times 4. $\frac{25}{7}$



Question ID: 75189712976
Option 1 ID: 75189751901
Option 2 ID: 75189751902
Option 3 ID: 75189751903
Option 4 ID: 75189751904
Status: Not Answered



Q.93 The given pie chart shows use of time in a full day (24 hours) by a student. Study the pie chart and answer the question



What is the approximate difference between the number of hours used for self study and school time?

- × 1 4 hours
- × 2. 2 hours
- × 3. 4.5 hours

Question ID: 75189713666

Option 1 ID: 75189754663 Option 2 ID: 75189754661 Option 3 ID: 75189754662

Option 4 ID: 75189754664 Status: Answered

Chosen Option: 4

Q.94 The splitting of light of the sun into various colours of the rainbow is called _____.

Ans

- ✓ 1. Dispersion of light
- X 2. scattering of light
- × 3. Reflection of light
- X 4. Total internal reflection

Question ID: 75189713769 Option 1 ID: 75189755076

Option 2 ID: 75189755073 Option 3 ID: 75189755074

Option 4 ID: 75189755075 Status: Answered

Chosen Option: 1

Q.95 If 12:3::8:x, then find the value of x.

- Ans X 1. 6
 - X 2. 1
 - √ 3. 2
 - X 4. 4

Question ID: 75189713298

Option 1 ID: 75189753191

Option 2 ID: **75189753192**

Option 3 ID: 75189753190

Option 4 ID: 75189753189

Status: Answered





Q.96 Under which amendment in The Constitutional Act 1992 did the Panchayati Raj Institutions receive their constitutional

Ans

√ 1. 73rd Amendment

× 2. 70th Amendment

X 3. 75th Amendment

X 4. 65th Amendment

Question ID: 75189714022 Option 1 ID: 75189756088 Option 2 ID: 75189756087 Option 3 ID: 75189756086 Option 4 ID: 75189756085

Status: Answered

Chosen Option: 1

Q.97 Three statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide

which of the conclusions logically follow(s) from the statements.

Statements:

All books are papers.

All trees are papers.

All papers are recyclable.

Conclusions:

I. Some books are trees.

II. All trees are recyclable.

Ans

★ 1 Neither conclusion I nor II follows

✓ 2. Only conclusion II follows

X 3. Both conclusions I and II follow

★ 4. Only conclusion I follows

Question ID: 75189713025

Option 1 ID: 75189752100

Option 2 ID: 75189752097

Option 3 ID: **75189752099**

Option 4 ID: **75189752098**

Status : **Answered**





Q.98 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.

 $JJL_KKJJ_KKKJ_LKKKJJ$

Ans

X 2. KJL

※ 3. JKL

X 4. KLK

Question ID: 7518977652 Option 1 ID: 75189730606 Option 2 ID: 75189730605 Option 3 ID: 75189730607 Option 4 ID: 75189730608

Status: Marked For Review

Chosen Option: 1

 $\{40 \div (2^5 \div 4) \times 125\}$ equals:

Ans X 1. 2000

X 2. 225

X 3. 1000

4 4. 625

Question ID: 75189711996 Option 1 ID: 75189747982 Option 2 ID: 75189747984 Option 3 ID: 75189747981 Option 4 ID: 75189747983 Status: Answered

Chosen Option: 3

In the given reaction, reduction of which substance takes place?

 $Fe_2O_3(s) + 2Al(s) \rightarrow Al_2O_3(s) + 2Fe(l)$

Ans 🗸 1. Ferric oxide

X 2. Aluminium oxide

X 3. Aluminium

× 4. Iron

Question ID: 75189715025 Option 1 ID: 75189760097 Option 2 ID: 75189760099 Option 3 ID: 75189760098 Option 4 ID: 75189760100

Status: Marked For Review