

RRB GROUP - D SHIFT - 1 (19-09-2022)



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



Test Date	19/09/2022	
Test Time	9:00 AM - 10:30 AM	
Subject	Level 1	

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 Suppose a proton moves towards the east by entering a uniform magnetic field in the downward direction. The direction of the force acting on the proton will be:

Ans X 1. towards the west

× 2. towards the east

√ 3. towards the north

X 4. towards the south

Question ID: 75189711367 Option 1 ID: 75189745466 Option 2 ID: 75189745465

Option 3 ID: 75189745467 Option 4 ID : **75189745468**

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.2 If '+' means '-', '-' means 'X', 'X' means '÷', '÷' means '+', what will come in place of the question mark (?) in the following equation?

 $44 \div 120 \times 5 - 2 + 10 \times 2 = ?$

Ans X 1. 86

X 2. 85

× 3. 84

√ 4. 87

Question ID: 75189711641

Option 1 ID: 75189746563

Option 2 ID: 75189746562

Option 3 ID: 75189746561

Option 4 ID: 75189746564

Status: Answered



The value of $\frac{\sin(90^{\circ}-\theta)\cos(90^{\circ}-\theta)\cot(90^{\circ}-\theta)}{\cos^{2}\theta-1}$ is ______

X 2. **0**

 \times 3. $2\sin\theta\cos\theta$

× 4. tan θ

Question ID : 75189711995 Option 1 ID : 75189747978 Option 2 ID : 75189747979 Option 3 ID : 75189747977 Option 4 ID : 75189747980 Status : Answered

Chosen Option : 1

Q.4 In a queue, Mahima is 28th from the front end and Anshul is 22th from the rear end, and there are 5 people between them. How many people are there in the queue if Anshul is standing somewhere behind Mahima in the queue?

Ans 🗼 1. 55

X 2. 56

X 3. 54

X 4. 53

Question ID: 75189711442

Option 1 ID: 75189745767

Option 2 ID: 75189745768

Option 3 ID: 75189745766

Option 4 ID : **75189745765** Status : **Answered**

Chosen Option : 1

Q.5 Factorise $(64x^6 - y^6)$.

Ans \times 1. $(2x-y)(2x+y)(4x^2+2xy-y^2)(4x^2-2xy+y^2)$

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

 \checkmark 3. $(2x - y)(2x + y)(4x^2 + 2xy + y^2)(4x^2 - 2xy + y^2)$

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

Question ID: 75189711204

Option 1 ID: 75189744816

Option 2 ID: 75189744815

Option 3 ID: 75189744813

Option 4 ID: 75189744814

Status : Answered



Q.6 Due to phenomena, when light is passed through suspended particles in a medium, some portion of light is absorbed and emitted in all directions. Ans X1 dispersion of light X 3. reflection of light ★ 4. refraction of light Question ID: 7518979534 Option 1 ID: 75189738135 Option 2 ID: 75189738136 Option 3 ID: 75189738133 Option 4 ID: 75189738134 Status: Answered Chosen Option: 2 of trade refers to the type of goods and services a country exports and imports. Ans × 1. Volume × 2. Value X 3. Gain 4. Composition Question ID: 75189712111 Option 1 ID: 75189748442 Option 2 ID: 75189748441 Option 3 ID: 75189748444 Option 4 ID: 75189748443 Status: Marked For Review Chosen Option: 4 Q.8 The price of a laptop in a shop is decreased by 35%, as a result of which the sales increased by 20%. What is the effect on the total revenue of the shop from the sale of laptops? Ans X 1. 10% decrease √ 2. 22% decrease X 3. 10% increase X 4. 18% increase Question ID: 75189711957



Option 1 ID : 75189747825 Option 2 ID : 75189747826 Option 3 ID : 75189747827 Option 4 ID : 75189747828 Status : Answered

Q.9 What kind of roots does the quadratic equation $5x^2 + 7x + 4 = 0$ have?

Ans X 1. Real and unequal roots

✓ 2. No real roots

X 3. Real and equal roots

★ 4. Only one real root

Question ID: 75189712081 Option 1 ID: 75189748322 Option 2 ID: 75189748323 Option 3 ID: 75189748321 Option 4 ID: 75189748324 Status: Answered

Chosen Option : 1

Q.10 Refer to the letter and symbol series, and answer the question that follows.

(Left) G H T % K & L M # S T * Q @ N O (Right)

How many symbols are there between the seventh element from the right end and the fifth element from the left end of the given series?

Ans 🔀 1. 4

X 2. 1

√ 3. 2

X 4. 3

Question ID: 75189711038

Option 1 ID: 75189744149

Option 2 ID: 75189744152

Option 3 ID: 75189744150

Option 4 ID: 75189744151 Status : Answered

Chosen Option : 1

Q.11 Majuli, in the _____, is the largest inhabited riverine island in the world.

Ans X 1. Ganga river

X 2. Yamuna river

X 4. Godavari river

Question ID: 7518979423

Option 1 ID: 75189737689

Option 2 ID: 75189737691

Option 3 ID: 75189737690

Option 4 ID: 75189737692 Status: Answered



Q.12 Which of the following is the standard representation of quadratic equation (x-4)(x+1)=2?

Ans
$$\times 1. \ x^2 - x - 2 = 0$$

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

$$\sqrt{3}$$
 $x^2 - 3x - 6 = 0$

$$\times$$
 4. $x^2 - 4x - 2 = 0$

Question ID: 7518979301 Option 1 ID: 75189737204 Option 2 ID: 75189737201 Option 3 ID: 75189737203 Option 4 ID: 75189737202 Status: Answered

Chosen Option: 3

Q.13 Which of the following numbers will replace the question mark (?) in the given series?

8 13 17 20 22 ?

Ans X 1. 24

Question ID: 75189711673

Option 1 ID: 75189746690

Option 2 ID: 75189746689

Option 3 ID: 75189746692

Option 4 ID: 75189746691

Status: Answered

Chosen Option: 2

Q.14 Which of the following statements is INCORRECT about AIDS?

Ans

The virus can be transmitted by shaking hands with a person infected with HIV.

X 2.

The virus can pass on to a normal person from an infected person by sharing the syringes used for injecting drugs.

The virus can be transmitted through sexual contact with a person infected with HIV.

The virus can be transmitted to an infant from the infected mother through her milk.

Question ID: 75189710221

Option 1 ID: 75189740884

Option 2 ID: 75189740881

Option 3 ID: 75189740883

Option 4 ID: 75189740882

Status: Answered

Q.15 Anu, Dilip, Eshwar, Jahnavi, Komal, Pallavi, Riya, and Tara are sitting around a square table facing the centre of the table (but not necessarily in the same order). Some of them are sitting at the corners, while some are sitting at the exact centre of the sides. Tara is to the immediate right of Komal and to the immediate left of Jahnavi. Anu is to the immediate left of Riya. Dilip and Jahnavi have only one person between them. Eshwar is sitting at the exact centre of one of the sides and has Riya to the immediate left and Komal to the immediate right.

Who is sitting to the immediate right of Pallavi?

Ans 🗙 1. Anu

2. Dilip

X 3. Jahnavi

× 4. Tara

Question ID: 75189711431 Option 1 ID: 75189745721 Option 2 ID: 75189745722 Option 3 ID: 75189745723 Option 4 ID: 75189745724 Status : Answered

Chosen Option: 2

Q.16 Which group in the Modern Periodic Table has only one non-metallic element?

Ans X 1. 16

√ 2. **14**

X 3. 15

X 4. 17

Question ID: 7518979705 Option 1 ID: 75189738819 Option 2 ID: 75189738817 Option 3 ID: 75189738818

Option 4 ID: 75189738820 Status: Answered Chosen Option: 2

Q.17 Which of the following parts is responsible to give a specific colour to the eyes?

Ans 🗸 1. Iris

× 2. Lens

X3. Retina

X 4. Cornea

Question ID: 75189710522

Option 1 ID: 75189742085

Option 2 ID: 75189742087

Option 3 ID: 75189742086

Option 4 ID: 75189742088

Status: Marked For Review Chosen Option : 1

Q.18 Each of six friends has a different height. Anant is taller than Gagan. Manoj is shorter than Janak. Parth is taller than Janak but shorter than Gagan. If Anurag is the shortest, then who is the tallest among them? Ans ✓ 1. Anant × 2. Manoj X 3. Parth × 4. Janak Question ID: 75189711509 Option 1 ID: 75189746034 Option 2 ID: 75189746036 Option 3 ID: 75189746033 Option 4 ID: 75189746035 Status: Answered Chosen Option: 1 Q.19 The lengths of corresponding sides of two similar triangles are in the ratio 5:6. The areas of these triangles are in the Ans **√** 1. 25:36 X 2. 16:42 X 3. 3:4 X 4. 36:25 Question ID: 75189711825 Option 1 ID: 75189747298 Option 2 ID: 75189747299 Option 3 ID: 75189747297 Option 4 ID: 75189747300 Status: Answered Chosen Option : 1 Q.20 The radius of the base of a cylinder is increased from 4 cm to 16 cm, but its curved surface area remains unchanged. If the initial height of the cylinder was 4 cm, what will be its new height? Ans X 1. 2 cm × 2. 4 cm X 3. 3 cm √ 4. 1 cm

Question ID : 75189711812
Option 1 ID : 75189747247
Option 2 ID : 75189747245
Option 3 ID : 75189747248
Option 4 ID : 75189747246
Status : Answered
Chosen Option : 4



Q.21 Which of the following forms the lining of kidney tubules and ducts of salivary glands?

Ans X 1. Squamous epithelium

× 2. Columnar epithelium

★ 3. Glandular epithelium

✓ 4. Cuboidal epithelium

Question ID: 75189710178 Option 1 ID: 75189740710 Option 2 ID: 75189740711 Option 3 ID: 75189740712 Option 4 ID: 75189740709

Status : Not Answered

Chosen Option : --

Q.22 Islam is a major world religion promulgated by the Prophet Muhammad in Arabia in the:

Ans

√ 1. 7th century

× 2. 6th century

X 3. 5th century

× 4. 4th century

Question ID: 75189710560

Option 1 ID: 75189742240

Option 2 ID: 75189742239

Option 3 ID: 75189742238

Option 4 ID: 75189742237 Status: Answered

Chosen Option : 1

Q.23 Dipika Pallikal and Joshna Chinappa won the doubles title at the World Championships in which sport on 9 April 2022?

Ans X 1. Table Tennis

X 2. Badminton

X 4. Lawn tennis

Question ID : **75189712115**

Option 1 ID: 75189748458

Option 2 ID : **75189748457**

Option 3 ID: **75189748459**

Option 4 ID : 75189748460

Status : Not Attempted and Marked For Review

Chosen Option : --



Q.24 Three statements are given, followed by three conclusions numbered I, II and III. 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.

All anklets are printers.

Some printers are birds.

Some birds are cherries.

Conclusions:

I. Some birds are printers.

II. All printers are anklets.

III. Some cherries are birds.

Ans X 1. Only conclusion I follows.

★ 2. Only conclusion II follows.

X 3. None of the conclusions follow.

✓ 4. Both conclusions I and III follow.

Question ID: 75189711472

Option 1 ID: 75189745885

Option 2 ID: 75189745886

Option 3 ID: 75189745888

Option 4 ID: 75189745887

Status: Answered

Chosen Option: 4

Q.25 If 10: 16:: 30: y, then find the value of y,

Ans X 1. 54

× 2. 42

3. 48

× 4. 40

Question ID: 75189711952

Option 1 ID: 75189747808

Option 2 ID: 75189747806

Option 3 ID: 75189747807 Option 4 ID: 75189747805

Status: Answered

Chosen Option: 3

Q.26 In this question, a statement is followed by two conclusions. Which of the two conclusions is/are true with respect to the statement?

Statement: $E \le T = D \le Q \ge Z = G$

Conclusions:

I. T < G

II. Z > D

Ans X 1. Only conclusion I is true

X 2. Both conclusions I and II are true

✓ 3. Neither conclusion I nor II is true

★ 4. Only conclusion II is true

Question ID: 7518974954 Option 1 ID: 75189719813

Option 2 ID: 75189719815

Status: Answered

Option 3 ID: 75189719816 Option 4 ID: 75189719814



Q.27 Which Union Territory launched two women's squads headed by Khalida Parveen, for ensuring the safety and security of women in February 2022?

Ans X 1. Chandigarh

X 2. Ladakh

X 3. Puducherry

✓ 4. Jammu And Kashmir

Question ID: 75189710422
Option 1 ID: 75189741685
Option 2 ID: 75189741687
Option 3 ID: 75189741688
Option 4 ID: 75189741686
Status: Not Answered

Chosen Option : --

Q.28 If in the word 'BOARD' all the letters are arranged in alphabetical order from left to right, then the position of how many letters will be remain unchanged?

Ans X 1. One

√ 2. None

X 3. Three

× 4. Four

Question ID: 7518978987 Option 1 ID: 75189735945 Option 2 ID: 75189735946

Option 3 ID : **75189735947**Option 4 ID : **75189735948**Status : **Answered**

Chosen Option: 2

Q.29 The distance between two stations, Delhi and Amritsar is 450 km. A train starts at 4 p.m. from Delhi and moves towards Amritsar at an average speed of 60 km/h. Another train starts from Amritsar at 3:20 p.m. and moves towards Delhi at an average speed of 80 km/h. At what distance from Delhi will the two trains meet?

Ans X 1. 165 km

× 2. 160 km

X 3. 180 km

√ 4. 170 km

Question ID: 75189711759

Option 1 ID : 75189747036

Option 2 ID : **75189747034** Option 3 ID : **75189747035**

Option 4 ID : **75189747033**

Status: Answered



Q.30 Select the option that is related to the seventh number in the same way as the second number is related to the first number, the fourth number is related to the third number and the sixth number is related to the fifth number.

25:4::49:6::9:2::100:?

Ans X 1. 4

X 2. 7

X 3. 6

√ 4. **9**

Question ID: 75189711075

Option 1 ID: 75189744299

Option 2 ID: 75189744300

Option 3 ID: 75189744298

Option 4 ID: 75189744297

Status: Answered

Chosen Option: 4

Q.31 In an electrical circuit four identical bulbs are connected in parallel to each other to a battery of 10 V (negligible internal resistance). When all the four bulbs glow, a current of 4 A is recorded. Then the power dissipated in the circuit and the resistance of each bulb are _____ and _____, respectively.

Ans \times 1. 22.4 W, 1.4 Ω

× 2. 24 W, 1.5 Ω

× 3. 27.2 W, 1.7 Ω

√ 4. 25.6 W, 1.6 Ω

Question ID: 75189712223

Option 1 ID: 75189748889

Option 2 ID: 75189748890

Option 3 ID: 75189748892

Option 4 ID: 75189748891 Status: Marked For Review

Q.32 Which of the following expressions is correct?

1.
$$Mode - median = 2 (median - mean)$$

3.
$$Mode = 2 Median - mean$$

2Median - mode

Ans 🚀 1. 1

X 2. 3

X 3. 4

X 4. 2

Question ID: 75189711770

Option 1 ID: 75189747077

Option 2 ID: 75189747080

Option 3 ID: 75189747079 Option 4 ID: 75189747078

Status : Answered

Chosen Option : 1

Q.33 Simplify the given expression.

$$11 - \{7 - 56 \div (2 \times 3 + 1)\}$$

Ans × 1. 9

X 2. 11

X 3. 10

√ 4. 12

Question ID: 75189711379

Option 1 ID: 75189745516

Option 2 ID: 75189745514

Option 3 ID: 75189745515

Option 4 ID: 75189745513

Status: Answered

 $\textbf{Q.34} \quad \text{Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of the property of the property$ persons. The circle represents 'men', the square represents 'photographers', and the triangle represents 'musicians'. How many men are there who are NEITHER photographers NOR musicians?



X 2. 4

X 3. 5

4. 6

Question ID: 75189711478

Option 1 ID: 75189745912

Option 2 ID: 75189745909

Option 3 ID: 75189745911 Option 4 ID: 75189745910

Status: Answered

Chosen Option: 4

Q.35 Which of the following pairs of numbers are co-prime?

Ans X 1. 51, 119

× 2. 65, 91

√ 3. 59, 97

× 4. 133, 171

Question ID: 75189712012

Option 1 ID: 75189748047

Option 2 ID: 75189748046

Option 3 ID: 75189748045 Option 4 ID: 75189748048

Status: Answered

Chosen Option: 3

Q.36 In the reference of Constitution of India, who was the elected president of the Constituent Assembly from following?

Ans X 1. Jawahar Lal Nehru

X 2. Dr. BR Ambedkar

🗸 3. Dr. Rajendra Prasad

X 4. Lal Bahadur Shastri

Question ID: 75189710488

Option 1 ID: 75189741952

Option 2 ID: 75189741950

Option 3 ID: 75189741949

Option 4 ID: 75189741951

Status: Answered Chosen Option: 3



Q.37 Which of the following numbers will replace the question mark (?) in the given series? 15, 16, 32, 35, 140, ? Ans 🗳 1. 145 X 2. 144 **X** 3. 142 X 4. 700 Question ID: 75189710919 Option 1 ID: 75189743675 Option 2 ID: 75189743673 Option 3 ID: 75189743674 Option 4 ID: 75189743676 Status: Answered Chosen Option: 1 Q.38 Lala Lajpat Rai was associated with the ___ since 1921. Ans 🗳 1. Servants of the People Society ★ 2. Satyashodhak Samaj X 3. Sarbatatyadipika Sabha ★ 4. Chinmaya Mission Question ID: 7518978516 Option 1 ID: 75189734064 Option 2 ID: 75189734062 Option 3 ID: 75189734063 Option 4 ID: 75189734061 Status: Marked For Review Chosen Option: 2 Q.39 Which of the following compounds gets precipitated when lead nitrate solution is mixed with sodium iodide solution? Ans X 1. Sodium nitrite ✓ 2. Lead iodide X 3. Lead nitrite X 4. Sodium nitrate Question ID: 75189711877 Option 1 ID: 75189747505



Option 2 ID : Option 3 ID : Option 4 ID : Status : **Answered**

 $\textbf{Q.40} \quad \text{In a queue, Rahul is } 21^{\text{st}} \text{ from the front end and Ankit is } 10^{\text{th}} \text{ from the rear end, and there are 4 people between them.}$ How many people are there in the queue if Ankit is standing somewhere behind Rahul in the queue? Ans X 1. 36 X 2. 37 X 3. 38 **√** 4. 35 Question ID: 75189711439 Option 1 ID: 75189745754 Option 2 ID: 75189745755 Option 3 ID: 75189745756 Option 4 ID: 75189745753 Status: Answered Chosen Option : 4 Q.41 The compound interest in 2 years on ₹30,000 at 7% interest per annum, compounded annually, is Ans × 1. ₹4,777 × 2. ₹4,447 × 3. ₹4,437 Question ID: 75189711954 Option 1 ID: 75189747816 Option 2 ID: 75189747815 Option 3 ID: 75189747813 Option 4 ID: 75189747814 Status: Answered Chosen Option: 4 Q.42 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. EXAMPLE: 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) 3:25::8:100::12:? Ans **1.** 196 X 2. 144 X 3. 225 X 4. 169 Question ID: 75189711619 Option 1 ID: 75189746476 Option 2 ID: 75189746473 Option 3 ID: 75189746475 Option 4 ID: 75189746474



Status: Answered

Q.43 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5613743658, which of the following digits will be second from the left?

Ans X 1. 6

2. **4**

X 3. 2

X 4. 3

Question ID : 75189711634 Option 1 ID : 75189746533 Option 2 ID : 75189746534 Option 3 ID : 75189746535 Option 4 ID : 75189746536 Status : Answered

Chosen Option : 2

Q.44 The Government of India, on January 2022, approved the Production Linked Incentive (PLI) Scheme 'National

Programme on Advanced Chemistry Cell (ACC) Battery Storage with a budgetary outlay of

Ans × 1. ₹21,100 crore

× 2. ₹19,100 crore

× 4. ₹20,100 crore

Question ID : **75189710411** Option 1 ID : **75189741641** Option 2 ID : **75189741644**

Option 3 ID : **75189741643** Option 4 ID : **75189741642**

Status : **Not Answered** Chosen Option : --

Q.45 1 commercial unit of electrical energy is equal to _____joules.

Ans \times 1. 3.6 \times 10⁵

√ 2. 3.6 × 10⁶

 \times 3. 3.6 \times 10⁷

 \times 4. 3.6 \times 10⁸

Question ID: 75189711340

Option 1 ID: 75189745360

Option 2 ID: 75189745359

Option 3 ID: 75189745358

Option 4 ID: 75189745357

Status : Answered



Q.46 Which Lok Sabha was constituted after the General Elections to Lok Sabha, 2019?

Ans

√ 1. 17th

× 2. 16th

× 3. 18th

× 4. 15th

Question ID: 7518976564
Option 1 ID: 75189726255
Option 2 ID: 75189726254
Option 3 ID: 75189726256
Option 4 ID: 75189726253

Status : **Answered** Chosen Option : **4**

Q.47 The direction of the magnetic field produced by the current carrying solenoid is:

Ans

✓ 1. parallel to the axis of the solenoid

X 2. perpendicular to the axis of the solenoid

X 3. parallel to the direction of the current

× 4. parallel to the diameter of the solenoid

Question ID: 75189711171

Option 1 ID: 75189744683

Option 2 ID: **75189744682**

Option 3 ID : **75189744681**

Option 4 ID : **75189744684** Status : **Not Answered**

Chosen Option: --

Q.48 On entering Amrit Kaal, the 25 year long lead up to India @100, the Union Budget 2022-23 provides impetus for growth along ______ priorities.

Ans

√ 1. Four

X 2. Two

X 3. Three

X 4. Six

Question ID: 7518977499

Option 1 ID: 75189729996

Option 2 ID: 75189729993

Option 3 ID: 75189729994

Option 4 ID : **75189729995**

Status : Not Answered Chosen Option : --

 $\textbf{Q.49} \quad \text{Two consecutive numbers are such that one-fourth of the smaller number exceeds one-fifth of the larger number by 3.}$ The larger number is _ Ans X 1. 75 X 2. 25 X 3. 45 **√** 4. 65 Question ID: 75189711968 Option 1 ID: 75189747872 Option 2 ID: 75189747869 Option 3 ID: 75189747870 Option 4 ID: 75189747871 Status: Answered Chosen Option : 4 Q.50 The position of how many letters will remain unchanged if each of the letters in the word 'SHIRT' is arranged in alphabetical order? Ans X 1. Three × 2. Two × 4. Four Question ID: 75189711528 Option 1 ID: 75189746111 Option 2 ID: 75189746110 Option 3 ID: 75189746109 Option 4 ID: 75189746112 Status: Answered Chosen Option: 3 Q.51 Which of the following elements is a metal? Ans X 1. Germanium ✓ 2. Sodium X 3. Bromine X 4. Neon Question ID: 75189711940 Option 1 ID: 75189747758 Option 2 ID: 75189747757 Option 3 ID: 75189747759 Option 4 ID: 75189747760 Status : Answered Chosen Option: 2



Q.52 Given below are two letter-cluster pairs in which the second letter-cluster is related to the first letter-cluster following a certain logic. Select the letter-cluster pair from among the options that follows the same logic.

NZF : FAN

HSE: EHH

Ans 1. CPN: NKC

X 2. CPN: NQC

X 3. CPN: NEC X 4. CPN: NFC

> Question ID: 7518979771 Option 1 ID: 75189739082 Option 2 ID: 75189739081

Option 3 ID: 75189739083 Option 4 ID: 75189739084 Status : Answered

Chosen Option: 1

Q.53 Two adjacent angles of a parallelogram are such that one is two-thirds the other. Find the measure of the smaller angle

Ans X 1. 36°

√ 2. 72°

X 3. 18°

× 4. 108°

Question ID: 75189712101

Option 1 ID: 75189748404 Option 2 ID: 75189748403

Option 3 ID: 75189748401 Option 4 ID: 75189748402 Status : Answered

Chosen Option : 2

Q.54 Each of the six graduate students, Anudeep, Yamuna, Chinmayi, Divija, Esha and Guna, has an online PG entrance exam on a different day of a week, starting from Monday and ending on Saturday of the same week, but not necessarily in the same order. None of them have the exam before Chinmayi and after Yamuna. Guna has the exam immediately after Anudeep and immediately before Divija. Esha has the exam on Tuesday and immediately before Anudeep.

Who among the following has the exam on Friday?

Ans X 1. Yamuna

× 2. Anudeep

X 4. Guna

Question ID: 75189711444

Option 1 ID: 75189745776

Option 2 ID: 75189745775

Option 3 ID: 75189745774

Option 4 ID: 75189745773 Status: Answered



Q.55 Doddabetta peak, which means a big mountain, is the highest mountain peak in the __

Ans 💢 1

★ 1. Ananthagiri Hills

✓ 2. Nilgiri Hills

X 3. Cardamom Hills

X 4. Shevaroy Hills

Question ID: 75189710481
Option 1 ID: 75189741924
Option 2 ID: 75189741922
Option 3 ID: 75189741923
Option 4 ID: 75189741921
Status: Not Answered

Chosen Option : --

Q.56 What happens when we exhale during normal breathing?

Ans

- ✓ 1. A residual amount of air remains in the lungs
- **X** ≥ The diaphragm is flattened
- ★ 3. The lungs are contracted
- X4. All carbon dioxide is expelled from the body

Question ID : 75189710079
Option 1 ID : 75189740316
Option 2 ID : 75189740313
Option 3 ID : 75189740314
Option 4 ID : 75189740315
Status : Answered

Chosen Option: 2

Q.57 Three statements are given, followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem at variance from commonly known facts. Decide which of the given conclusions logically follow/s from the given statements.

Statements:

All sachets are bags.

Some bags are clocks.

No clock is a toaster.

Conclusions

I. Some toasters are clocks.

II. No sachet is a toaster.

III. Some bags are sachets.

Ans X 1. Only conclusions I and II follow.

✓ 2. Only conclusion III follows.

X 3. Only conclusions II and III follow.

★ 4. Only conclusion I follows.

Question ID : **75189711477** Option 1 ID : **75189745905** Option 2 ID : **75189745908**

Option 3 ID : **75189745906** Option 4 ID : **75189745907**

Status : **Answered** Chosen Option : **2**



Q.58 Which of the following is INCORRECT regarding the flow of energy between various components of the environment?

The amount of organic matter present at each trophic level is 10%.

× 2. Energy flow is unidirectional.

3.

Green plants capture about 10% of the solar energy that falls on leaves.

Every trophic level loses some energy as heat to the environment.

Question ID: 7518974662 Option 1 ID: 75189718646

Option 2 ID: 75189718647 Option 3 ID: 75189718645 Option 4 ID: 75189718648

Status : Not Answered

Chosen Option : --

Q.59 The cost of a pen is twice the cost of a pencil. If the cost of the pencil is ₹1, the cost of 3 pens and 2 pencils is:

Ans × 1. ₹7

X 2. ₹2

X 3. ₹10

√ 4. ₹8

Question ID: 7518979987

Option 1 ID: 75189739946 Option 2 ID: 75189739945 Option 3 ID: 75189739948

Option 4 ID: 75189739947 Status: Answered

Chosen Option: 4

Q.60 If the ratio of the areas of two squares is 2: 3, then the ratio of the perimeters of these two squares, in the order mentioned, is _____

$$\times 4. \sqrt{2}:3$$

Question ID: 75189711981

Option 1 ID: 75189747924

Option 2 ID: 75189747923

Option 3 ID: 75189747921

Option 4 ID: 75189747922

Status : Answered

 $\textbf{Q.61} \quad \text{The greatest number which on dividing 50, 58 and 69 leaves remainders of 1, 2 and 6, respectively, is:} \\$

Ans × 1. 8

X 2. 6

√ 3. **7**

×4. 0

Question ID: 75189711729 Option 1 ID: 75189746914 Option 2 ID: 75189746915 Option 3 ID: 75189746916 Option 4 ID: 75189746913 Status: Answered

Chosen Option: 3

Q.62 Ferrous sulphate on heating gives a solid product and two different gases. Select the gases evolved during the reaction.

★ 1. Oxygen and disulphur

X 2. Sulphur trioxide and oxygen

X 3. Sulphur dioxide and oxygen

Question ID: 75189711868

Option 1 ID: 75189747472 Option 2 ID: 75189747470

Option 3 ID: 75189747471

Option 4 ID: 75189747469

Status: Marked For Review

Chosen Option: 1

Q.63 A salt is dissolved in water and the pH of this salt solution is measured with a universal indicator paper. If the pH of solution is more than 7, the salt is most likely to be

Ans

√ 1. K₂CO₃

× 2. Na₂SO₄

X 3. KCl

×4. NH₄Cl

Question ID: 7518973626

Option 1 ID: 75189714502

Option 2 ID: 75189714501

Option 3 ID: 75189714503

Option 4 ID: 75189714504

Status: Marked For Review



 $^{ extsf{Q.64}}$ Sangam literature was composed in which classical language?

Ans X 1. Odiya

× 2. Malayalam

X 3. Sanskrit

√ 4. Tamil

Question ID: 75189712132
Option 1 ID: 75189748528
Option 2 ID: 75189748526
Option 3 ID: 75189748525
Option 4 ID: 75189748527
Status: Not Answered

Chosen Option: --

Q.65

At which of these places is the thickness of the troposphere the greatest?

Ans

★ 1. South Pole

✓ 2. Equator

X 3. Above Mountains

★ 4. North Pole

Question ID: 7518973890
Option 1 ID: 75189715557
Option 2 ID: 75189715558
Option 3 ID: 75189715560
Option 4 ID: 75189715559
Status: Not Answered

Chosen Option : --

 $^{Q.66}$ Which of the following is NOT an elected functionary?

Ans X 1. Chairman - Municipal Corporation

Chairman - District Board
 Chairman - District Board

X 4. Chairman - Municipal Board

Question ID: 75189712171
Option 1 ID: 75189748684
Option 2 ID: 75189748683
Option 3 ID: 75189748681
Option 4 ID: 75189748682
Status: Answered



Q.67 The value of 0.87 is _____.

Ans

 \times 1. $\frac{7}{90}$

 \times 2. $\frac{87}{9}$

√ 3. ⁷⁹/₉₀

 \times 4. $\frac{8}{90}$

Question ID: 75189711948

Option 1 ID : **75189747792** Option 2 ID : **75189747789**

Option 3 ID : **75189747791** Option 4 ID : **75189747790**

Status : Answered

Chosen Option: 3

Q.68 If ₹3.50 : ₹7.50 :: ₹8.26 : x, then what is the value of x?

Ans ✓ 1. ₹17.70

X 2. ₹17.00

X 3. ₹18.10

×4. ₹17.85

Question ID: 75189711741

Option 1 ID: 75189746961

Option 2 ID: 75189746962

Option 3 ID: 75189746963

Option 4 ID : **75189746964**Status : **Answered**

Chosen Option : 1

Q.69 Pallavi starts walking towards the north and after covering a distance, she turns to the right, then again to the right and after covering some more distance, she again turns to the right. Now, in which direction is she facing? (All turns are 90 degree turns only)

Ans X 1. North

✓ 2. West

× 3. East

X 4. South

Question ID: 75189711583

Option 1 ID: 75189746330

Option 2 ID : **75189746331**

Option 3 ID: 75189746332

Option 4 ID : **75189746329** Status : **Answered**

Q.70 If a pin is placed in front of the converging lens at a distance of 20 cm, the converging lens forms an image that is real, inverted and equal to the size of the object. Then the power of the lens is:

Ans 🗳 1. +10 D

X 2. +5D

X 3. −5D

X 4. −10 D

Question ID : 75189712205 Option 1 ID : 75189748817 Option 2 ID : 75189748820 Option 3 ID : 75189748819 Option 4 ID : 75189748818 Status : Answered

Chosen Option : 1

Q.71 The e-PGPathshala scheme of the Government of India is related to which of the following?

Ans X 1. Secondary education

➤ 2. Nursery education

★ 4. Primary education

Question ID: 75189711108 Option 1 ID: 75189744431 Option 2 ID: 75189744429 Option 3 ID: 75189744432

Option 4 ID : **75189744430**Status : **Marked For Review**

Chosen Option: 3

Q.72 Which of the following statements is correct for saturated carbon compounds?

Ans X 1. They have carbon-carbon double bond only.

✓ 2. They have carbon-carbon single bond only.

★ 3. They have carbon-carbon triple bond only.

× 4. They have both double and triple bond.

Question ID: 75189711844

Option 1 ID: 75189747374

Option 2 ID: 75189747373

Option 3 ID: **75189747375**

Option 4 ID : **75189747376** Status : **Not Answered**

Chosen Option : --

 $\textbf{Q.73} \quad \text{If $'+'$ means $'+'$, $'-'$ means $'+'$, $'+'$ means $'-'$, what will come in place of the question mark (?) in the $(?)$ in the $(?)$ of the question mark $(?)$ of$ following equation? $81 \div 3 - 14 \div 7 \times 6 + 6 - 5 = ?$ Ans 🗙 1. 55 **√** 2. **37 X** 3. 43 X 4. 50 Question ID: 7518974883 Option 1 ID: 75189719532 Option 2 ID: 75189719529 Option 3 ID: 75189719530 Option 4 ID: 75189719531 Status: Answered Chosen Option: 2 Q.74 Which of the following statements about conductivity of electricity in ionic compounds is correct? Ans X 1. Ionic compounds are bad conductors of electricity in both solid as well as in molten state.

3.
Ionic compounds conduct electricity in molten state but not in solid state.

Ionic compounds conduct electricity in solid state but not in molten state.

X 4.
Ionic compounds conduct electricity in both solid as well as in molten state.

Question ID : 75189711912 Option 1 ID : 75189747648 Option 2 ID : 75189747647 Option 3 ID : 75189747646 Option 4 ID : 75189747645 Status : Answered Chosen Option : 3

Q.75 Seven toy cars and five toy bikes together cost ₹600. Five toy cars and three toy bikes together cost ₹400. The cost of each toy car is:

Ans × 1. ₹200 × 2. ₹150

X 3. ₹100

4. ₹50

Question ID: 7518978744

Option 1 ID: 75189734973

Option 2 ID: 75189734974

Option 3 ID: 75189734975

Option 4 ID: 75189734976

Status: Answered



Q.76 What is the primary function of money?

Ans X 1. It is a store house of goods

✓ 2. It is a medium of exchange

× 3. It is the basis of debit

× 4. It is the basis of distribution of income

Question ID: 7518978887 Option 1 ID: 75189735548 Option 2 ID: 75189735546 Option 3 ID: 75189735547 Option 4 ID: 75189735545

Status : **Answered** Chosen Option : **2**

Q.77 The radius of curvature of a spherical mirror is the distance between:

Ans X 1. pole and principal focus

× 2. centre of curvature and infinity

× 3. principal focus and centre of curvature



Question ID : 7518979469
Option 1 ID : 75189737873
Option 2 ID : 75189737876
Option 3 ID : 75189737874
Option 4 ID : 75189737875
Status : Answered

Chosen Option : 4

Q.78 Suppose Sita has kept a needle in front of a concave mirror of focal length f at a distance (f+x) and a real image of the needle is seen on a screen at a distance (f+y). Then the focal length f can be expressed as:

Ans

$$\times$$
 1. $f = -\sqrt{xy}$

$$\times$$
 2. $f = -2\sqrt{xy}$

$$\checkmark$$
 3. $f = \sqrt{xy}$

$$\times$$
 4. $f = 2\sqrt{xy}$

Question ID : 75189712192

Option 1 ID : **75189748768** Option 2 ID : **75189748765**

Option 3 ID : **75189748767**

Option 4 ID : **75189748766** Status : **Marked For Review**

Q.79 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

MON 4, QSR 10, UWV 16, YAZ 22, ?

Ans X 1. DED 25

√ 2. CED 28

X 3. AED 24

X 4. CFD 28

Question ID : 7518978238 Option 1 ID : 75189732950 Option 2 ID : 75189732951 Option 3 ID : 75189732949 Option 4 ID : 75189732952 Status : Answered

Chosen Option: 2

Q.80 Carbon shows greater tendency for catenation than silicon.

Which of the following statements is the correct explanation for the given assertion?

Ans X 1.

Carbon-carbon bond is weaker than Si-Si bond due to the larger size of carbon as compared to silicon.

X 2.

Carbon-carbon bond is weaker than Si-Si bond due to the smaller size of carbon as compared to silicon.

 \mathbf{X} 3

Carbon-carbon bond is stronger than Si-Si bond due to the larger size of carbon as compared to silicon.

4 4

Carbon-carbon bond is stronger than Si-Si bond due to the smaller size of carbon as compared to silicon.

Question ID: 75189711851 Option 1 ID: 75189747404 Option 2 ID: 75189747401 Option 3 ID: 75189747403 Option 4 ID: 75189747402

Status: Not Answered

Chosen Option: --

Q.81 Who among the following is popularly known as 'Waterman of India'?

Ans X 1. Dr. MS Swaminathan

× 2. Dr. Arun Krishnsnan

X 4. Dr. Hiralal Chaudhuri

Question ID: 75189710303 Option 1 ID: 75189741209 Option 2 ID: 75189741212

Option 3 ID : **75189741211** Option 4 ID : **75189741210**

Status : Not Answered

Chosen Option : --



- Q.82 Which of the following is a heterotrophic organism?
- Ans X 1. Neem tree
 - ✓ 2. Tiger
 - X 3. Algae
 - × 4. Grass

Question ID : 75189710147 Option 1 ID : 75189740586 Option 2 ID : 75189740585 Option 3 ID : 75189740588 Option 4 ID : 75189740587 Status : Answered

Chosen Option: 2

- Q.83 Buhsu Jiba is a festival celebrated in the state of
- Ans X 1. Sikkim
 - √ 2. Nagaland
 - X 3. Himachal Pradesh
 - X 4. Odisha

Question ID: 75189712128
Option 1 ID: 75189748512
Option 2 ID: 75189748511
Option 3 ID: 75189748510
Option 4 ID: 75189748509
Status: Not Answered

Chosen Option : --

- Q.84 Rohit started on his bicycle from his home and travelled a distance of 5 km in the south direction. He then turned towards the right and travelled a distance of 2.5 km, and again took a turn towards the right and travelled a distance of 5 km. Finally, after taking a left turn, he travelled a distance of 5 km. What is the shortest distance between his present location and his home? (All turns are 90 degree turns only)
- Ans 🗸 1. 7.5 km
 - × 2. 6.5 km
 - × 3. 9.5 km
 - × 4. 8.5 km

Question ID : 75189711589 Option 1 ID : 75189746355 Option 2 ID : 75189746356 Option 3 ID : 75189746353 Option 4 ID : 75189746354

Status : Answered



- Adolescence begins around the age of 11 and lasts upto:
- Ans X 1. 15 or 16 years of age
 - ★ 2. 16 or 17 years of age

 - ★ 4. 19 or 20 years of age

Question ID: 75189710217 Option 1 ID: 75189740868 Option 2 ID: 75189740866

Option 3 ID: 75189740865 Option 4 ID: 75189740867 Status: Answered

Chosen Option: 3

- Q.86 Anand bought a car for ₹8,00,000 and sold it a profit of 5% to Dhiraj. Dhiraj sold it at a loss of 4% to Anil. What is the amount paid by Anil for the car?
- Ans

 √ 1. ₹8,06,400
 - ×2. ₹8,73,600
 - ×3. ₹8,40,000
 - X 4. ₹8,60,000



Question ID: 75189712036 Option 1 ID: 75189748141 Option 2 ID: 75189748144 Option 3 ID: 75189748142 Option 4 ID: 75189748143

Status: Answered Chosen Option: 1

Q.87 In this question, a group of letters is coded using symbols as per the table given below and the conditions which follow. The correct combination of codes following the conditions is your answer.

Letters	D	T	V	О	I	A	P	E
Codes	@	>	٨	9/6	=	#	S	+

Conditions:

- i. If both the first and the last letters of the word are vowels, then both these letters will be coded as '&'.
- ii. If both the first and the last letters of the word are consonants, then both these letters will be coded as '*'.

What will be the code for the word 'ADOPTIVE'?

Question ID: 75189710878 Option 1 ID: 75189743512

Option 2 ID: 75189743509 Option 3 ID: 75189743510

Option 4 ID: 75189743511 Status: Answered

Q.88 Simplify the given expression.

$$11.45\overline{65} \div 2.\overline{67}$$

$$\times$$
 2. $3\frac{7}{25}$

$$\times$$
 3. $3\frac{4}{25}$

$$\times$$
 4. $4\frac{2}{25}$

Question ID: 75189711720

Option 1 ID: 75189746879 Option 2 ID: 75189746878

Option 3 ID: 75189746880

Option 4 ID: 75189746877 Status: Answered

Chosen Option: 1

Q.89 If 14 April 2005 is a Thursday, then what will be the day of the week on 10 May 2017?

Question ID: 75189711664

Option 1 ID: 75189746656

Option 2 ID: 75189746655

Option 3 ID: 75189746653 Option 4 ID: 75189746654

Status: Answered

Chosen Option : 1

Q.90 Six doctors are sitting in a row facing north. Omprakash is sitting third to the left of Tanvi, who is sitting second to the $right\ of\ Matank.\ Yadhu\ is\ sitting\ to\ the\ immediate\ right\ of\ Sunil,\ who\ is\ sitting\ somewhere\ to\ the\ left\ of\ Omprakash.$ Neither Yadhu nor Karuna sit at the extreme ends. What is Karuna's position with respect to Yadhu?

Ans X 1. Fourth to the right

× 2. Fourth to the left

X 3. Third to the left

Question ID: 75189711436

Option 1 ID: 75189745743

Option 2 ID: 75189745744

Option 3 ID: 75189745741

Option 4 ID: 75189745742 Status: Answered

Q.91 A 10 Ω resistor is connected across a battery. The heat produced in the resistor in 5 seconds is 200 J. The potential difference across the resistor is:

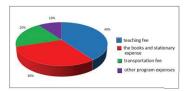
Ans

- √ 1. 20 V
- X 2. 30 V
- X 3. 10 V
- × 4. 40 V

Question ID: 75189711345 Option 1 ID: 75189745378 Option 2 ID: 75189745379 Option 3 ID: 75189745377 Option 4 ID: 75189745380 Status : Answered

Chosen Option : 1

Q.92 The percentage expenditure of a school is shown in the following pie-chart. Blue represents the teaching fee, red represents the books and stationary expense, green represents transportation fee, and purple represents other program expenses. Study the pie-chart and answer the question.



The total income is ₹27,00,000. What is the amount spent on teaching fee and transportation fee if the total school expense is one-third of the total income?

- **×** 1. ₹7,50,000
- ×2. ₹4,30,000
- ×3. ₹9,00,000
- √ 4. ₹5,40,000

Question ID: 75189711252

Option 1 ID: 75189745007

Option 2 ID: 75189745006

Option 3 ID: 75189745005

Option 4 ID: 75189745008

Status: Answered Chosen Option: 4

Q.93 The total amount payable for completing a piece of work is ₹800. C can do it alone in 24 days, while B can do it alone in 8 days. With the help of A, they complete this work in 3 days. What is the sum of money received by A as his share in completing the work?

- Ans 🗳 1. ₹400
 - × 2. ₹450
 - ×3. ₹300
 - ×4. ₹350

Question ID: 75189711958 Option 1 ID: 75189747831

Option 2 ID: 75189747829 Option 3 ID: 75189747832

Option 4 ID: 75189747830 Status: Answered



Q.94 In the psychology of motivation, balance theory is a theory of attitude change, proposed by_____

Ans X 1. John A List

✓ 2. Fritz Heider

★ 3. Milton Friedman

X 4. Adam Smith

Question ID: 7518978874
Option 1 ID: 75189735495
Option 2 ID: 75189735496
Option 3 ID: 75189735493
Option 4 ID: 75189735494
Status: Not Answered

Chosen Option : --

Q.95 What happens during menstruation?

Ans X 1. There is failure of fertilisation of the ovum

✓ 2. The uterine lining is shed.

× 3. The wall of the uterus becomes vascular

X4. A mature egg is released from an ovary

Question ID: 75189710108
Option 1 ID: 75189740431
Option 2 ID: 75189740432
Option 3 ID: 75189740430
Option 4 ID: 75189740429
Status: Answered

Chosen Option: 4

Q.96 In November 2021, Manisha Kalyan scored India's first-ever goal against _____ in senior level football.

Ans X 1. Germany

✓ 2. Brazil

X 3. Sweden

X4. France

Question ID : **7518978488** Option 1 ID : **75189733949**

Option 2 ID : **75189733951** Option 3 ID : **75189733952** Option 4 ID : **75189733950**

Status: Not Answered

Chosen Option : --



Q.97 Read the given statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

Education is the backbone of human society.

Arguments:

- I. Schools are learning centres of societal norms and regulations.
- II. Any society with less concern about education, cannot grow and develop in present times.

Ans 🗳 1. Both I and II strengthen the statement.

- × 2. II weakens while I strengthens the statement.
- X 3. Both I and II weaken the statement.
- ¥ 4. I weakens while II strengthens the statement.

Question ID : **75189711128** Option 1 ID : **75189744512**

Option 2 ID : 75189744510 Option 3 ID : 75189744511 Option 4 ID : 75189744509 Status : Answered

Chosen Option : 4

Q.98 The median of the observations below, given in ascending order, is n-1.

What is the value of n?

Ans × 1. 17

× 2. 18

√ 3. **24**

X 4. 19

Question ID: 75189711960

Option 1 ID: 75189747838

Option 2 ID: **75189747839**

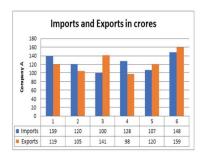
Option 3 ID: 75189747840

Option 4 ID: 75189747837

Status : **Answered** Chosen Option : **3**

 $\textbf{Q.99} \quad \text{The given bar graph shows the exports and imports of Company A over a period of time. Study the bar graph and the period of time is a superior of time of the period of time of the period of time. The period of time is a period of time of the period of time. The period of time of the period of time of the period o$ answer the question that follows.

The numbers 1 to 6 in the graph represent the years from 2001 to 2006.



What is the average of the imports for the period 2001 to 2006 (in crores)?

Ans X 1. 56.61

× 2. 80.24

× 3. 172.40

√ 4. 123.66

Question ID: 75189711238

Option 1 ID: 75189744952

Option 2 ID: 75189744949

Option 3 ID: 75189744950

Option 4 ID: 75189744951

Status : Answered Chosen Option: 4

Q.100 In a certain code language, 'BOY is written as 'ACNPXZ' and 'TOY' is written as 'SUNPXZ'. How will 'JOY' be written in that code language?

Ans X 1. IKXZNP

× 2. ZXPNKI

X 4. XZNPIK

Question ID: 75189711563

Option 1 ID: 75189746250

Option 2 ID: 75189746251

Option 3 ID: 75189746252

Option 4 ID: 75189746249

Status: Answered

Chosen Option: 3

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