





# 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	11/10/2022
Test Time	9:00 AM - 10:30 AM
Subject	Level 1

<sup>\*</sup> 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 The Chairman of the Block Panchayat Samiti is elected by the:

Ans

X 1. village Pradhan

× 2 members of the Zila Panchayat

× 4. members of the State Legislative

Question ID: 75189715483
Option 1 ID: 75189761930
Option 2 ID: 75189761932
Option 3 ID: 75189761929
Option 4 ID: 75189761931
Status: Answered
Chosen Option: 3

Q.2 In this question, the statement is followed by four conclusions. Find out which conclusion is NOT true based on the given statement.

Statement :  $Y \le V = X \le L \le A \ge C \ge H$ 

Ans

√ 1. X > A

X 2. X > Y

X 3. A > H

**X** 4. L≥V

Question ID : 75189714205 Option 1 ID : 75189756820 Option 2 ID : 75189756819 Option 3 ID : 75189756818 Option 4 ID : 75189756817 Status : Answered

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Q.3 What kind of diet does an adolescent require to develop a healthy reproductive system?

Ans X 1. Fortified with iron

✓ 2. Nutritionally well-balanced

X 3. Rich in proteins

X 4. Low in saturated fats

Question ID: 75189710107 Option 1 ID: 75189740426 Option 2 ID: 75189740428 Option 3 ID: 75189740425 Option 4 ID: 75189740427 Status: Answered

Chosen Option: 2

Q.4 Refer to the following letter series and answer the question.

# (Left) BZCTBZTESBCZTWAZTFZTUKRBZTV (Right)

How many Z are there in the series which are immediately followed by T but not immediately preceded by B?

Ans

X 1. Five

X 2. Two

× 3. Four

√ 4. Three

Question ID: 75189710848 Option 1 ID: 75189743392 Option 2 ID: 75189743391 Option 3 ID: 75189743389 Option 4 ID: 75189743390

Status: Answered

Chosen Option: 4

If the HCF of 408 and 1032 is expressed as  $516m - 252 \times 4$ , then m is:

Ans **×** 1. −6

X 2. 6

**X** 3. −2

**√** 4. 2

Question ID: 75189711726

Option 1 ID: 75189746904 Option 2 ID: 75189746903 Option 3 ID: 75189746901 Option 4 ID: 75189746902

Status: Answered



Q.6 In which group and period is carbon present?

Ans X 1. Group 1 and period 2

X 2. Group 5 and period 5

X 3. Group 13 and period 4

Question ID : 75189714743
Option 1 ID : 75189758969
Option 2 ID : 75189758970
Option 3 ID : 75189758972
Option 4 ID : 75189758971
Status : Not Answered

Chosen Option: --

Q.7 Complete the given step of anaerobic respiration:

Glucose  $(C_6H_{12}O_6) \rightarrow \underline{\hspace{1cm}} + Carbon Dioxide (CO_2) + Energy (ATP)$ 

Ans X 1. Water

× 2. Pyruvate

X 4. Lactic Acid

Question ID: 7518974384
Option 1 ID: 75189717534
Option 2 ID: 75189717536
Option 3 ID: 75189717533
Option 4 ID: 75189717535
Status: Answered
Chosen Option: 1

Q.8 Consider a horse shoe magnet with its north pole towards west and south pole towards east. A conducting rod is loosely connected to a galvanometer. If this rod is now moved between the poles of the magnet vertically downwards, the direction of the induced current in it will be

Ans X 1. west to east direction

× 2. south to north direction

× 3. east to west direction

4. north to south direction

Question ID: 75189715114
Option 1 ID: 75189760456
Option 2 ID: 75189760453
Option 3 ID: 75189760455
Option 4 ID: 75189760454
Status: Not Answered

Chosen Option : --





Q.9 Which is the first country to play 1000 One-Day International matches?

Ans X 1. Sri Lanka

× 2. Australia

X 3. Pakistan

✓ 4. India

Question ID: 75189712555 Option 1 ID: 75189750220 Option 2 ID: 75189750217

Option 3 ID: 75189750218 Option 4 ID: 75189750219

Status: Answered

Chosen Option: 4

Q.10 Which of the following is responsible for bringing western disturbances from the Mediterranean region into the Indian subcontinent?

Ans

✓ 1. Jet stream

X 2. Relief rain

X 3. Mango shower

Anabatic winds

Question ID: 75189715299 Option 1 ID: 75189761193 Option 2 ID: **75189761195** Option 3 ID: 75189761194

Option 4 ID: 75189761196 Status: Not Answered

Chosen Option: --

Q.11 At Devprayag (Uttarakhand), which of the following two rivers confluence and form river Ganga?

X 1 Alaknanda and Yamuna

X 2. Bhagirathi and Yamuna

X 3. Yamuna and Gomti

4. Alaknanda and Bhagirathi

Question ID: 75189715461

Option 1 ID: 75189761841 Option 2 ID: 75189761843

Option 3 ID: 75189761844

Option 4 ID: 75189761842 Status: Answered





Q.12 Who among the following was a well-known revolutionary activist and leader of the Hindustan Socialist Republican Association (HSRA)?

Ans

- ✓ ¹. Chandra Shekhar Azad
- Chhakravarti Rajagopalachari
- X 3. Bhulabhai Desai
- ¥ 4. Behramji M Malabari

Question ID: 75189714037 Option 1 ID: 75189756145 Option 2 ID: 75189756146 Option 3 ID: 75189756147 Option 4 ID: 75189756148 Status: Answered

Chosen Option: 1

Q.13 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 oxen are peacocks

All peacocks are cheetahs

All cheetahs are horses

#### Conclusions:

(I) Some horses are peacocks

(II) Some cheetahs are peacocks

(III) All peacocks are horses

Ans

- ★ 1 Either conclusion I or III follows
- 2 Only conclusion I follows
- ★ 4 Only conclusion II follows

Question ID : **75189714525** Option 1 ID : **75189758099** Option 2 ID : **75189758097** 

Option 3 ID : **75189758100** Option 4 ID : **75189758098** 

Status: Answered



Q.14 In a certain code language, 'BLAME' is written as '4%5@2' and 'MEDIA' is written as '@2Ω95'. How will 'DELTA' be written in that language?

Ans

√ 1. Ω2%35

× 2. 2Ω%53

X 3. 92%35

× 4. 92\$Ω5

Question ID: 75189715266
Option 1 ID: 75189761063
Option 2 ID: 75189761062
Option 3 ID: 75189761064
Option 4 ID: 75189761061

Status : Answered

Chosen Option: 1

Q.15 During a sale, a TV shop owner offers four different types of successive discounts for any consumer to choose from.
Which of the following options will give the best possible price to the shop owner as a percentage of the marked price of an item?

Ans

X 1. 25% and 15%

X 2. 30% and 10%

X 3. 35% and 5%

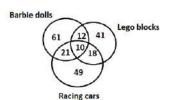
Question ID : **75189714333** Option 1 ID : **75189757329** 

Option 2 ID: **75189757330** Option 3 ID: **75189757331** 

Option 4 ID : **75189757332**Status : **Answered** 



Q.16 Study the given Venn diagram carefully and answer the question that follows. The numbers in different sections indicate the number of children who play with a particular toy at a day care.



How many such children are there, who play neither with barbie dolls nor with racing cars?

Ans



X 2. 67

X 3. 82

**X** 4. 53

Question ID: 75189714966

Option 1 ID: 75189759861 Option 2 ID: 75189759863 Option 3 ID: 75189759864

Option 4 ID: 75189759862 Status: Answered

Chosen Option: 1

Q.17 A certain number of people are sitting in a row, facing north. Only Q sits exactly between W and Z. G sits sixth to the right of W. Only three people sit to the right of G. Z sits at the extreme left end of the row.

If no other person is sitting in the row, what is the total number of people seated?

Question ID: 75189714511

Option 1 ID: 75189758041

Option 2 ID: 75189758042

Option 3 ID: 75189758043

Option 4 ID: 75189758044

Status : Answered



Q.18 The process by which a changing magnetic field in a conductor induces a potential difference that sets up an induced electric current is called

Ans

- × 1 thermal induction
  - ✓ 2. electromagnetic induction
- × 3. electric induction
- × 4 magnetic induction

Question ID: 75189713887 Option 1 ID: 75189755547 Option 2 ID: 75189755548 Option 3 ID: 75189755546 Option 4 ID: 75189755545 Status: Not Answered

Chosen Option: --

Q.19 Six girls with the initials V, M, S, E, N and C are sitting around a circular table, facing the centre and at equal distance from each other, not necessarily in the same order.

E sits second to the left of C. S sits second to the right of V. C sits at the immediate left of V. N sits second to the left of E. Who sits at the immediate left of C?

Ans X 1. S

X 2. V

√ 3. M

X 4. N

Question ID: 75189714957 Option 1 ID: 75189759827 Option 2 ID: 75189759826 Option 3 ID: 75189759828

Option 4 ID: 75189759825 Status: Answered

Chosen Option: 3

Q.20 Select the combination of letters that when placed from left to right in the same sequence in the blanks of the given series will complete the series.

MN\_\_LMM\_\_PLM\_\_NP\_MMNN\_\_M

Ans X 1. NPNNMNLPP

× 2. NNNNMNLPL

✓ 3. NPNNMNLPL

X 4. MPNNMNLPL

Question ID: 7518977956

Option 1 ID: 75189731823

Option 2 ID: 75189731821

Option 3 ID: 75189731822 Option 4 ID: 75189731824

Status: Answered

Q.21 What is the scientific name of baking soda?

Ans

√ 1. Sodium bicarbonate (NaHCO<sub>3</sub>)

★ 2. Sodium sulphate (Na<sub>2</sub>SO<sub>4</sub>)

X 3. Sodium carbonate (NaCO₃)

★ 4. Sodium chloride (NaCl)

Question ID: 75189715028 Option 1 ID: 75189760110 Option 2 ID: 75189760112 Option 3 ID: 75189760109 Option 4 ID: 75189760111

Status: Answered

Chosen Option: 1

Q.22 Simplify the following.

$$1-2 \times [\{-2(2+3) \times 20\} \div 2]$$

$$\times$$
 3.  $-\frac{1}{50}$ 

Question ID: 75189713249

Option 1 ID: 75189752996

Option 2 ID: 75189752994 Option 3 ID: **75189752995** 

Option 4 ID: 75189752993

Status: Answered

Q.23 Shyam and Sundar can do a piece of work in 16 days and 24 days, respectively. Shyam started the work alone and after 10 days Sundar joined him and the duo worked together till the completion of the work. What was the total time taken for the work to be completed?

Ans

- ✓ 1.  $13\frac{3}{5}$  days
- $\times$  2.  $12\frac{3}{5}$  days
- $\times$  3.  $15\frac{3}{5}$  days
- $\times$  4  $10\frac{3}{5}$  days

Question ID : 75189714349

Option 1 ID: **75189757395**Option 2 ID: **75189757394**Option 3 ID: **75189757396**Option 4 ID: **75189757393** 

Status : Answered

Chosen Option: 1

Q.24 Which of the following reactions is an example of a displacement reaction?

Ans

$$\times$$
 1. 3Fe (s) +4H<sub>2</sub>O (l)  $\longrightarrow$  Fe<sub>3</sub>O<sub>4</sub> (s) + 2H<sub>2</sub> (l)

Adda

Question ID: 75189714670

Option 1 ID: 75189758678
Option 2 ID: 75189758680
Option 3 ID: 75189758677
Option 4 ID: 75189758679
Status: Answered

Chosen Option: 2

Q.25 If '+' means '\*', '-' means '+', 'x' means '-', and '+' means '+', what will come in place of the question mark (?) in the following equation?

$$9 + 7 + 8 - 4 \times 2 = ?$$

Ans

- **1.63**
- X 2. 74
- X 3. 68
- X 4. 60

Question ID: 75189713067

Option 1 ID : **75189752267**Option 2 ID : **75189752266**Option 3 ID : **75189752268** 

Option 4 ID : **75189752265** Status : **Answered** 

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**Q.26** The present age of Arun is  $\frac{1}{3}$  of his uncle's age. After 5 years, the sum of their ages will be 86 years. The present age of Arun is:

Ans

× 1. 21 years

× 3. 23 years

× 4. 25 years

Question ID: 75189714391 Option 1 ID: 75189757561 Option 2 ID: 75189757564 Option 3 ID: 75189757562 Option 4 ID: 75189757563

Status: Answered

Chosen Option : 2

Q.27 Centre for Excellence of Classical Tamil was shifted from Mysore to Chennai in \_\_\_\_\_\_.

Ans

X 1 2010

**2.** 2008

X 3. 2004

X 4. 2006

Question ID: 75189712365
Option 1 ID: 75189749460
Option 2 ID: 75189749459
Option 3 ID: 75189749457
Option 4 ID: 75189749458
Status: Not Answered

Chosen Option: --

Adda247



**Q.28** In this question, a group of letters is coded using numbers/symbols as per the table given below and the conditions which follow. The correct combination of codes following the conditions is your answer.

Letters	E	О	L	Y	A	W	N	S
Numbers/Symbols	5	%	7	#	1	4	<u>@</u>	\$

# Conditions:

(i) If a word has a vowel at the end, the vowel present at the end will be coded as 6.

(ii) If a word has more than 2 vowels, all the vowels will be coded as 8.

(iii) If a letter is present exactly twice in a word, it will be coded as 2 in both such places

What will be the correct code for YELLOW?

Ans

X 1. #82284

× 2. #577%6

× 3. #577%4

√ 4. #522%4

Question ID: 75189713627

Option 1 ID : **75189754508** Option 2 ID : **75189754506** Option 3 ID : **75189754505** 

Option 4 ID : **75189754507** Status : **Answered** 

Chosen Option: 4

Q.29 Effective resistance of the parallel combination of two resistors with  $2\Omega$  and  $3\Omega$  resistance, respectively, is:

Ans

× 1. 8.3 Ω

× 2. 0.83 Ω

× 3. 5 Ω

√ 4. 1.2 Ω

Question ID: 75189711159

Option 1 ID: 75189744636

Option 2 ID: 75189744635

Option 3 ID: **75189744633** 

Option 4 ID: 75189744634

Status: Answered

Q.30 A statement is given followed by four conclusions. Find out which conclusion is true based on the given statement.

Statement:  $L \le H = P > O > D \ge S = U$ 

# Conclusions:

- 1)  $L \leq P$
- 2) U≥D
- 3) L > D
- 4) L > O

Ans

- √ 1. 1
- X 2. 4
- **X** 3. 3
- X 4. 2

Question ID: 75189713190

Option 1 ID: **75189752757** Option 2 ID: **75189752760** Option 3 ID: **75189752759** 

Option 4 ID: **75189752758** 

Status : Answered

Chosen Option: 1

**Q.31** If the sum of a number and its reciprocal is 7, then which of the options below can be such a number?

Ans

√ 1. 
$$\frac{7+3\sqrt{5}}{2}$$

$$\times$$
 2.  $\frac{-7+3\sqrt{5}}{2}$ 

$$\times$$
 3.  $\frac{3+7\sqrt{5}}{2}$ 

$$\times$$
 4.  $\frac{3-7\sqrt{5}}{2}$ 

Question ID : 75189714419

Option 1 ID: 75189757675

Option 2 ID: **75189757676** 

Option 3 ID : **75189757674** 

Option 4 ID: 75189757673

Status: Answered



Q.32 Nowruz is popularly known as the new year of which religious group/community?

Ans X 1. Sikhism

× 2. Buddhism

× 3. Muslim

4. Parsi

Question ID: 75189713990 Option 1 ID: 75189755959 Option 2 ID: 75189755957 Option 3 ID: 75189755958 Option 4 ID: 75189755960 Status: Answered

Chosen Option: 4

 $^{\mathrm{Q.33}}$  If a and b are two co-prime numbers, then their LCM is:

Ans  $\times$  1. a+b

√ 2. a × b

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

 $\times$  4. a-b

Question ID: 75189713273

Option 1 ID: 75189753090 Option 2 ID: 75189753089 Option 3 ID: 75189753092 Option 4 ID: 75189753091

Status: Answered Chosen Option: 2

Q.34 During which period did the amount of ozone in the atmosphere begin to drop sharply?

Ans

✓ 1. In the 1980s

× 2. In the 1960s

× 3. In the 1990s

X 4. In the 1970s

Question ID: 75189710267

Option 1 ID: 75189741065 Option 2 ID: 75189741067

Option 3 ID: 75189741068

Option 4 ID: 75189741066

Status: Not Answered



Q.35 Town C is south of the mid-point of the straight line joining town A and B. Town B is to the East of Town A. Town D is west of town C. Town M is north-east of town B. What is the position of town D with respect to M?

Ans

X 1. South-east

✓ 2. South-west

X 3. South

X 4. West

Question ID: 75189714919 Option 1 ID: 75189759673 Option 2 ID: 75189759676 Option 3 ID: 75189759675 Option 4 ID: 75189759674

Status : Answered

Chosen Option: 2

Q.36 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:

1. Some flowers are leaves.

2. Some flowers are stems.

3. Some fruits are flowers.

Conclusions:

I-Some stems are flowers.

II-Some fruits are leaves.

Ans

Neither conclusion I nor II follows.

2. Both conclusions I and II follow.

3. Only conclusion I follows.

X 4. Only conclusion II follows.

Question ID : **75189714187** 

Option 1 ID : **75189756748** Option 2 ID : **75189756747** 

Option 3 ID: **75189756745** Option 4 ID: **75189756746** 

Status : Answered





Q.37 An atom of element with electronic configuration of 2,8,8. To which group does it belong?

Ans

× 1 10<sup>th</sup> group

× 2. 6<sup>th</sup> group

× 3. 4<sup>th</sup> group

√ 4. 18<sup>th</sup> group

Question ID: 75189714794
Option 1 ID: 75189759174
Option 2 ID: 75189759176
Option 3 ID: 75189759173
Option 4 ID: 75189759175
Status: Not Answered

Chosen Option : --

Q.38 Which law states that 'as the quantity of one factor is increased, keeping the other factors fixed, the marginal product of that factor will eventually decline'?

Ans

★ 1 The law of unstable economy

✓ 2. The law of variable proportions

X 3 The law of constant proportions

★ 4. The law of money savings

Question ID: 75189715438
Option 1 ID: 75189761752
Option 2 ID: 75189761749
Option 3 ID: 75189761750
Option 4 ID: 75189761751

Status : Answered

Chosen Option: 2

Q.39 Six students, Madhu, Anshul, Avani, Aarav, Priti, and Shikha, gave their presentations on different days in the month of March. The presentation was from 11<sup>th</sup> March to 16<sup>th</sup> March.

Anshul presented on 14<sup>th</sup> March and Shikha presented immediately before Anshul. Only one person presented between Shikha and Priti. Shikha presented after Priti but before Avani. Avani presented immediately before Madhu. Who presented on 15<sup>th</sup> March?

Ans

× 1 Madhu

× 2. Aarav

× 3. Priti

4. Avani

Question ID : 75189710986

Option 1 ID : **75189743942** Option 2 ID : **75189743941** 

Option 3 ID : **75189743943** 

Option 4 ID: **75189743944** 

Status : Answered





Q.40 If the sum of two numbers is 25 and the product is 136, then the sum of their cubes is:

Ans X 1. 4524

× 2. 4525

× 3. 5524

**4.** 5425

Question ID : 75189714386 Option 1 ID : 75189757542 Option 2 ID : 75189757541 Option 3 ID : 75189757543

Option 4 ID : **75189757544**Status : **Answered** 

Chosen Option: 4

Q.41 A statement is given followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and decide which of the assumptions is/are implicit in the statement,

#### Statement:

The Union Road Transport and Highways Ministry is gearing up to build a super expressway to connect Delhi and Mumbai, which would allow commuters to finish the 1,400 km long journey within 12 hours.

#### Assumptions

- I. The road between the two cities is in very bad shape.
- II. Currently there are no roads to connect these two cities of India.

#### Ans

- X 1. Only assumption I is implicit
- ✓ 2. Neither assumption I nor II is implicit
- ★ 3. Only assumption II is implicit
- X 4. Both assumptions I and II are implicit

Question ID : 75189715180

Option 1 ID : **75189760717** Option 2 ID : **75189760719** 

Option 3 ID: **75189760718** Option 4 ID: **75189760720** 

Status : Answered



Q.42 Which of the following cities is NOT situated on banks of the Ganga?

Ans X 1. Patna

✓ 2. Lucknow

× 3. Haridwar

× 4. Kanpur

Question ID: 75189715463
Option 1 ID: 75189761851
Option 2 ID: 75189761852
Option 3 ID: 75189761849
Option 4 ID: 75189761850
Status: Answered

Chosen Option: 1

Q.43 If 144 : y :: y : 225, and y > 0, find the value of y.

Ans 🔀 1. 210

2. 180

X 3. 130

× 4. 120

Question ID: 75189714315 Option 1 ID: 75189757260 Option 2 ID: 75189757259 Option 3 ID: 75189757258 Option 4 ID: 75189757257 Status: Answered

Chosen Option: 2

Q.44 The process of using electricity to decompose water into oxygen and hydrogen gas is called

Ans X 1. hydrolysis of water

× 2. ionisation of water

× 3. atomisation of water

Question ID : 75189712779
Option 1 ID : 75189751113
Option 2 ID : 75189751115
Option 3 ID : 75189751116
Option 4 ID : 75189751114
Status : Not Answered

Chosen Option : --





Q.45 Which of the following options is the closest approximate value which will come in place of the question mark (?) in the following equation?

 $8.99 + 17.99 - 3.99 \times 2.99 = ?$ 

Ans

X 1. 9

√ 2. 15

X 3. 24

X 4. 32

Question ID: 75189712714

Option 1 ID: 75189750854

Option 2 ID: 75189750856 Option 3 ID: 75189750853

Option 4 ID: 75189750855

Status: Answered

Chosen Option: 2

Q.46 Ujwal has ₹5,250 in currency notes of denominations ₹50, ₹100 and ₹200. The number of notes of each denomination are equal. How many notes in total does Ujwal have?

Ans X 1. 30

X 2. 60

**√** 3. **45** 

X 4. 15

Question ID: 75189714385

Option 1 ID: 75189757538

Option 2 ID: 75189757540

Option 3 ID: 75189757539 Option 4 ID: 75189757537

Status: Answered

Chosen Option: 3

Q.47 Who founded the Indian Statistical Institute and is considered the Father of Modern Statistics in India?

Ans

X 1 Debabrata Basu

✓ 2. Prasanta Chandra Mahalanobis

X 3. Raghu Raj Bahadur

Anil Kumar Bhattacharya

Question ID: 75189712392

Option 1 ID: 75189749565

Option 2 ID: 75189749567

Option 3 ID: 75189749566

Option 4 ID: 75189749568

Status: Answered



Q.48 Which of the following statements about real wage rate is correct?

Ans

Real wage rate is equal to the Marginal Productivity of Labour.

**X** 2.

Real wage rate is less than the Marginal Productivity of Labour.

Real wage rate has no relation to Marginal Productivity of Labour.

Real wage rate is more than the Marginal Productivity of Labour.

Question ID: 75189715430 Option 1 ID: 75189761718 Option 2 ID: 75189761719 Option 3 ID: 75189761720 Option 4 ID: 75189761717 Status: Answered

Chosen Option: 1

The effective diameter of the circular outline of a spherical lens is called . .

Ans 1. aperture

× 2. centre of curvature

x 3 radius of curvature

× 4. focus

Question ID: 75189713766 Option 1 ID: 75189755064 Option 2 ID: 75189755063 Option 3 ID: 75189755061 Option 4 ID: 75189755062 Status: Answered Chosen Option: 1

Q.50 Which of the following numbers will replace the question mark (?) in the given series?

1331 729 343 125 ?

Ans × 1. 1

**2.** 27

**X** 3. 8

X 4. 64

Question ID: 75189712682 Option 1 ID: 75189750726 Option 2 ID: 75189750725 Option 3 ID: 75189750728 Option 4 ID: 75189750727 Status: Answered

Q.51

If A is an acute angle, then  $\frac{1+tan^2 A}{1+cot^2 A}$  is equal to:

$$\times$$
 3.  $\sin^2 A$ 

Question ID: 75189713477 Option 1 ID: 75189753906 Option 2 ID: 75189753905 Option 3 ID: 75189753907

Option 4 ID: 75189753908 Status: Answered

Chosen Option: 2

Q.52 According to the Census of India 2011, \_\_\_\_\_ has the largest number of Christians among the states.

Ans

× 2. Nagaland

√ 3. Kerela

X 4. Mizoram

Question ID: 75189710446 Option 1 ID: 75189741782 Option 2 ID: 75189741784 Option 3 ID: 75189741781 Option 4 ID: 75189741783 Status: Answered

Chosen Option: 1

Q.53 Simplify the following.

$$1\frac{1}{2} \times 22 + 10 \div 5 - 2 \times 8$$

$$\times$$
 2. -  $\frac{613}{44}$ 

$$\times$$
 4.  $-\frac{13}{2}$ 

Question ID: 75189713245 Option 1 ID: 75189752978 Option 2 ID: 75189752977

Option 3 ID: 75189752979 Option 4 ID: 75189752980

Status: Answered Chosen Option: 3



Q.54

On 5<sup>th</sup> August 2021 which one of the following state launched 'Makkalai Thedi Maruthuvam' Scheme that helps the poor, sick who can't visit hospitals and the chronically ill, by providing medical facilities at their doorstep?

Ans

- √ 1. Tamil Nadu
- × 2. Kerala
- X 3. Karnataka
- X 4. Telangana

Question ID: 7518973795
Option 1 ID: 75189715178
Option 2 ID: 75189715179
Option 3 ID: 75189715177
Option 4 ID: 75189715180
Status: Not Answered

Chosen Option: --

Q.55 system of ad hoc treasury bills to finance the budget deficit was discontinued in India with effect from April 1, \_\_\_\_\_\_

Ans

- √ 1. 1997
- X 2. 1994
- × 3. 2007
- × 4. 2004

Adda

Question ID: 7518978542
Option 1 ID: 75189734166
Option 2 ID: 75189734165
Option 3 ID: 75189734168
Option 4 ID: 75189734167

Status : Not Answered

Chosen Option: --

Q.56 In the Modern Periodic Table elements present in one group have the same number of \_\_\_\_\_\_.

Ans

- × 1. electrons
- √ 2. valence electrons
- × 3. shells
- × 4. protons

Question ID: 75189715155
Option 1 ID: 75189760617
Option 2 ID: 75189760618
Option 3 ID: 75189760619
Option 4 ID: 75189760620

Status : Answered

Q.57 Which of the following State Governments launched the 'Ghar Ghar Ration Yojna' in March 2022?

Ans

- X 1. Rajasthan
- 2. Punjab
- × 3. Bihar
- X 4. Odisha

Question ID: 75189715073
Option 1 ID: 75189760290
Option 2 ID: 75189760289
Option 3 ID: 75189760291
Option 4 ID: 75189760292
Status: Not Answered

Chosen Option : --

Q.58 Which of the following is a premier national research funding agency with the mission to raise the quality and footprint of Indian science and engineering to the highest global levels in an accelerated mode, through calibrated, competitive support of research and development?

Ans

- X 1 Department of Science & Industrial Research
- ✓ 2. Science and Engineering Research Board (SERB)
- X 3. Department of Space
- X 4. Department of Scientific Research

Question ID: 75189715488 Option 1 ID: 75189761950 Option 2 ID: 75189761952 Option 3 ID: 75189761949 Option 4 ID: 75189761951

Status : Answered Chosen Option : 4

Q.59 The mean of the first 7 prime numbers is:

Ans

$$\times$$
 2.  $\frac{63}{7}$ 

$$\times$$
 3.  $\frac{75}{7}$ 

$$\times$$
 4.  $\frac{50}{7}$ 

Question ID : **75189714361** Option 1 ID : **75189757442** 

Option 2 ID : **75189757444** Option 3 ID : **75189757441** Option 4 ID : **75189757443** 

Status : **Answered** 





Q.60 10 women can do a piece of work in 8 days. 8 men can complete the same work in 12 days. What is the ratio of the amounts of work that can be done in a day by a man and a woman?

Ans X 1. 3:2

X 2. 2:1

√ 3. 5 : 6

X 4. 4:3

Question ID: 75189714348 Option 1 ID: 75189757389 Option 2 ID: 75189757391 Option 3 ID: 75189757392 Option 4 ID: 75189757390

Status : Answered

Chosen Option: 3

Q.61 By which process do we get washing soda?

Ans X1 By reaction between NaCl(aq), NH<sub>3</sub> and CO<sub>2</sub>

2. By heating of NaHCO<sub>3</sub>

X 3. By mixing NaHCO<sub>3</sub> with an edible acid

Question ID: 7518979658
Option 1 ID: 75189738632
Option 2 ID: 75189738629
Option 3 ID: 75189738630
Option 4 ID: 75189738631
Status: Not Answered

Chosen Option : --

Q.62 If each of the letters in the word 'CAUTIONED' is arranged in the English alphabetical order, which letter will be in the exact middle position after such arrangement?

Ans X 1. N

✓ 2. I

X 3. E

X 4. O

Question ID : **75189713555** Option 1 ID : **75189754217** 

Option 2 ID : **75189754220** Option 3 ID : **75189754219** 

Option 4 ID : **75189754218**Status : **Answered** 



Q.63 The following graph shows the expenditure of a family over different months. Study the graph and answer the question:



What is the approximate average of the total expenditure in April, May, June, August, September and October (in thousands)?

Ans

X 1. 26

X 2. 16

X 3. 84

**4.** 39

Question ID: 75189715202

Option 1 ID: 75189760807 Option 2 ID: 75189760806

Option 3 ID: 75189760805 Option 4 ID: 75189760808

Status: Answered

Chosen Option: 4

If y: 196:: 196: 784, then what is the value of y?

Ans X 1. 16

**X** 2. 4

**X** 3. **7** 

**4.** 49

Question ID: 75189714316

Option 1 ID: 75189757264

Option 2 ID: 75189757261

Option 3 ID: 75189757262

Option 4 ID: 75189757263

Status: Answered

Q.65 Which of the following is a correct pair for homologous series?

Ans X 1. CH<sub>3</sub>OH and CH<sub>4</sub>

✓ 2. CH<sub>3</sub>OH and C<sub>2</sub>H<sub>5</sub>OH

✗ 3. C<sub>3</sub>H<sub>7</sub>OH and CH<sub>3</sub>OH

★ 4. CH<sub>3</sub>OH and C<sub>3</sub>H<sub>7</sub>OH

Question ID : 75189714755 Option 1 ID : 75189759017 Option 2 ID : 75189759018 Option 3 ID : 75189759020 Option 4 ID : 75189759019

Status : Not Answered Chosen Option : --

If  $x - \frac{1}{x} = 2$ , then find the value of  $x^4 + \frac{1}{x^4}$ .

Ans X 1. 24

X 2. 16

**√** 3. **34** 

X 4. 36

Question ID: 75189713357 Option 1 ID: 75189753428 Option 2 ID: 75189753427 Option 3 ID: 75189753426 Option 4 ID: 75189753425 Status: Answered

Chosen Option: 3

Q.67 The position of how many letters will remain unchanged if each of the letters in the word BRIGHT is arranged in alphabetical order?

Ans X 1. One

X 2. None

√ 3. Two

X 4. Three

Question ID: 75189715118

Option 1 ID: 75189760471

Option 2 ID: 75189760470

Option 3 ID: 75189760469

Option 4 ID: 75189760472

Status : Answered





Q.68 Which method of contraception changes the hormonal balance of the body?

Ans X 1. Surgical blockage of the fallopian tubes

× 2. Use of condoms

★ 4. Insertion of Copper-T

Question ID : **75189714836** Option 1 ID : **75189759344** Option 2 ID : **75189759341** 

Option 3 ID : **75189759342** Option 4 ID : **75189759343** 

Status: Answered

Chosen Option: 3

Q.69 Which of the following is required for the formation of human blood?

Ans X 1. Copper

X 2. Cobalt

√ 3. Iron

X 4. Nickel

Question ID: **75189710220** 

Option 1 ID: 75189740877 Option 2 ID: 75189740878 Option 3 ID: 75189740879 Option 4 ID: 75189740880

Status: Answered

Chosen Option: 3

Q.70 A capsule is in the shape of a sphere of diameter 3.5 mm. Find the amount of medicine required to fill the capsule (in

mm<sup>3</sup>). [Use  $\pi = \frac{22}{7}$ , and give your answer correct to 2 places of decimal.]

Ans X 1. 22.42

× 2. 22.41

√ 3. 22.46

X 4. 22.43

Question ID: 75189711808

Option 1 ID : **75189747231** Option 2 ID : **75189747229** Option 3 ID : **75189747230** 

Option 4 ID : **75189747232**Status : **Answered** 

Q.71 Refer to the following letter, number, symbol series and answer the question.

How many such numbers are there which are immediately preceded by a letter and also immediately followed by a symbol?

Ans X 1. 4

**√** 2. 1

X 3. 6

X 4. 3

Question ID: 75189713209

Option 1 ID: 75189752833 Option 2 ID: 75189752836 Option 3 ID: 75189752835

Option 4 ID: 75189752834

Status: Answered Chosen Option: 2

Q.72 The length of a rectangle is 5 cm more than its width. If the area of the rectangle is  $215 \text{ cm}^2$ , then the equation to find the width (w) of the rectangle is:

Ans 
$$x^1 \cdot w^2 - 5w - 215 = 0$$

$$x^2$$
  $2w^2 + 5w - 215 = 0$ 

$$\times$$
 3.  $w^2 + 5w + 215 = 0$ 

$$\sqrt[4]{4} w^2 + 5w - 215 = 0$$

Question ID: 75189713377

Option 1 ID: 75189753506 Option 2 ID: **75189753508** 

Option 3 ID: 75189753507

Option 4 ID: 75189753505

Status: Answered

Chosen Option: 4

Q.73 If each even digit is divided by 2 and 2 is added to each odd digit in the number 4723361, what will be the sum of the largest and the smallest digits thus formed?

Question ID: 75189713717

Option 1 ID: 75189754865 Option 2 ID: 75189754868

Option 3 ID: 75189754866

Option 4 ID: 75189754867

Status: Answered

Q.74 Generally, plants have low energy needs when compared to animals. The main reason for this is the:

- (A) presence of large proportion of dead cells in the tissues
- (B) absence of mobility
- (C) plants synthesise their own food
- (D) plants release O2 during respiration

Ans

- ✓ 1. A and B
- X 2. B and C
- X 3. A and D
- X 4. A and C

Question ID: 75189710168 Option 1 ID: 75189740669 Option 2 ID: 75189740672 Option 3 ID: 75189740671 Option 4 ID: 75189740670

Status: Answered

Chosen Option: 1

Q.75 Simplify the following.

$$(y^2x)^4 \times (y^2x)^{-4}, x \neq 0, y \neq 0.$$

- Ans × 1. 0
  - $\times$  2.  $(y^2x)^8$
  - **3**. 1
  - $\times$  4.  $(y^2x)^{-16}$

Question ID: 75189713252 Option 1 ID: 75189753008 Option 2 ID: 75189753005 Option 3 ID: 75189753006

> Option 4 ID: 75189753007 Status: Answered





Q.76 During heavy exercise when the demand for energy is high, but the supply of oxygen to produce the energy is limited, the muscle cells show

Ans

X 1 loss of water

× 2. synthesis of ethanol

3. accumulation of pyruvate

Question ID: 75189714821 Option 1 ID: 75189759281 Option 2 ID: 75189759283 Option 3 ID: 75189759282 Option 4 ID: 75189759284 Status: Answered

Chosen Option: 4

Q.77 If a transversal cuts two parallel lines, then which of the options below is necessarily true?

Ans

✓ 1. the interior alternate angles are equal

**X** 2.

the interior opposite angles on the same side of the transversal are equal

X 3. the adjacent angles formed are equal

× 4. the vertically opposite angles are supplementary

Question ID: 75189711818
Option 1 ID: 75189747270
Option 2 ID: 75189747271
Option 3 ID: 75189747269
Option 4 ID: 75189747272
Status: Answered

Chosen Option: 4

Q.78 How many people have received the Shanti Swaroop Bhatnagar Award in 2021?

Ans

X 1. 12

**✓** 2. **11** 

X 3. 10

X 4. 9

Question ID : **75189715486** Option 1 ID : **75189761944** 

Option 2 ID: **75189761942** Option 3 ID: **75189761943** Option 4 ID: **75189761941** 

Status: Not Answered



Q.79 India has a \_\_\_\_\_ form of government.

Ans

★ 1 oligarchy

× 2. communalism

× 3. monarchy

Question ID: 7518978923
Option 1 ID: 75189735689
Option 2 ID: 75189735690
Option 3 ID: 75189735691
Option 4 ID: 75189735692
Status: Answered

Chosen Option : 4

Q.80 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.

WQN : VPM JRE : IQD

Ans X 1. PKM: UGI

★ 2. GKV : OSN★ 3. FCH : TBY

Question ID: 75189714924
Option 1 ID: 75189759694
Option 2 ID: 75189759695
Option 3 ID: 75189759696
Option 4 ID: 75189759693
Status: Answered

Chosen Option: 4

Q.81 3 solid hemispheres of radius 2 unit each are melted and recast into a single sphere. Find the radius (in given units) of the newly cast single sphere.

Ans

**√** 1.  $\sqrt[3]{12}$ 

× 2. <sup>3</sup>√10

X 3. 3

× 4. <sup>3</sup>√15

Question ID : **75189713398**Option 1 ID : **75189753592**Option 2 ID : **75189753591**Option 3 ID : **75189753590** 

Option 4 ID : **75189753589** Status : **Answered** 





Q.82 For a spherical mirror, when a ray is passed through the centre of curvature C, the angle formed between the reflected ray and incident ray will be:

Ans

√ 1. 0°

× 2. 270°

X 3. 90°

× 4. 180°

Question ID: 7518979471

Option 1 ID: 75189737881 Option 2 ID: 75189737884 Option 3 ID: 75189737882

Option 4 ID: 75189737883

Status: Answered

Chosen Option: 3

Q.83 Which of the following numbers will replace the question mark (?) in the given series?

9.6 8.4 7.2 6

Ans × 1. 4.2

X 2. 5.4

X 3. 3.6

4. 4.8

Question ID: 75189712700

Option 1 ID: 75189750800

Option 2 ID: 75189750799

Option 3 ID: 75189750798 Option 4 ID: 75189750797

Status: Answered

Chosen Option: 4

Q.84 A dishonest merchant claims to sell his items at cost price, but gives 200 kg of an item instead of the 250 kg he charges for. What is his percentage of profit in this transaction?

Ans X 1. 20%

× 2. 15%

√ 3. 25%

X 4. 10%

Question ID: 75189714330

Option 1 ID: 75189757317

Option 2 ID: 75189757318

Option 3 ID: 75189757319

Option 4 ID: 75189757320

Status: Answered





Q.85 Six friends are sitting around a circular table facing the centre. Gabriel is sitting second to the right of Suchita. Ritesh is sitting second to the right of Trinabh. Sourav is an immediate neighbour of both Gabriel and Dhruv. Who is an immediate neighbour of both Ritesh and Trinabh?

Ans

X 1 Sourav

2. Suchita

X 3. Gabriel

X 4. Dhruv

Question ID: 75189713018 Option 1 ID: 75189752071 Option 2 ID: 75189752072 Option 3 ID: 75189752070 Option 4 ID: 75189752069

Status: Answered

Chosen Option: 2

**Q.86** The variable X takes values 3 and 7, with frequencies of K and K-2, respectively. If the arithmetic mean of X is 4, then the value of K is:

Ans X 1. 4

X 2. 6

X 3. 5

√ 4. 3

Question ID: 75189714362 Option 1 ID: 75189757447 Option 2 ID: 75189757448 Option 3 ID: 75189757446 Option 4 ID: 75189757445

Status: Not Answered

Chosen Option: --

Q.87 Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(15, 405, 9)(13, 273, 7)

Ans

**✓** 1. (11, 165, 5)

× 2. (12, 360, 5)

**X** 3. (9, 405, 9)

**X** 4. (14, 490, 7)

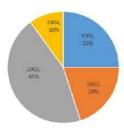
Question ID: 75189713131 Option 1 ID: 75189752522 Option 2 ID: 75189752521 Option 3 ID: 75189752523

Option 4 ID: 75189752524 Status: Answered



Q.88 Study the given pie-chart and answer the following question.

The given pie chart depicts the number of complaints received in four years. The total number of complaints received in the four years together is 200.



What is the difference between the total number of complaints received in 2001 and 2003 together and the number of complaints received in 2002?

Ans

X 1. 110

**2.** 100

X 3. 90

X 4. 120

Question ID: 75189712737

Option 1 ID : **75189750945** Option 2 ID : **75189750946** 

Option 3 ID : **75189750948** Option 4 ID : **75189750947** 

Status: Answered

Chosen Option: 2

Q.89 In electric circuits, losses take place in the form of \_\_\_\_\_ due to flow of electric current.

Ans

★ 1. light

× 2. sound

X 3. Magnetic losses

√ 4. heat

Question ID: 75189713821

Option 1 ID: 75189755281

Option 2 ID: **75189755282** 

Option 3 ID: 75189755284

Option 4 ID: **75189755283** 

Status: Answered



A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. C lives immediately above F, on an even numbered floor but not on the 6th floor. Only three people live between F and E. If B lives two floors below E, and A is not on the topmost floor, then how many people live exactly between D and

Ans 🔭 1. 2

√ 2. 3

X 3. 4

X 4. 1

Question ID: 75189714901

Option 1 ID: 75189759602 Option 2 ID: 75189759604 Option 3 ID: 75189759603 Option 4 ID: 75189759601

Status: Answered

Chosen Option: 2

Q.91 A sum of ₹7,250 is lent under simple interest at the beginning of a year at a certain rate of interest per annum. After 6 months, a sum of ₹3,625 more is lent under simple interest but at a rate that is twice the former. At the end of the year, ₹335 is earned as interest from both the loans taken together. What was the rate of interest per annum at which the initial ₹7,250 was lent? [Give your answer correct to 2 decimal places.]

Ans

√ 1. 3.08%

× 2. 3.00%

× 3. 3.10%

X 4. 3.12%

Question ID: 75189712953 Option 1 ID: 75189751811

Option 2 ID: 75189751810

Option 3 ID: 75189751809 Option 4 ID: 75189751812

Status: Answered

Chosen Option: 1

Q.92 The interior angles of an 8-sided polygon are in the ratio 1:3:4:6:7:11:13:15. Find the measure of the largest interior angle in this polygon.

Ans × 1. 288°

X 2. 300°

√ 3. 270°

X 4. 234°

Question ID: 75189713455

Option 1 ID: 75189753818

Option 2 ID: 75189753817

Option 3 ID: 75189753820

Option 4 ID: 75189753819

Status: Answered





Q.93 If an object is placed at a distance of 5 cm from the pole of a given concave mirror of focal length 2.5 cm, then the magnification produced is:

Ans X 1. —2

X 2. 2

X 3. 1

**√** 4. **−1** 

Question ID: 75189714088 Option 1 ID: 75189756349 Option 2 ID: 75189756350 Option 3 ID: 75189756351 Option 4 ID: 75189756352 Status: Answered

Chosen Option: 2

Ratio of Sin i and Sin r is known as:

Ans

× 1. dispersion

×2 magnification

× 4. refraction

Question ID: 7518979505 Option 1 ID: 75189738018 Option 2 ID: 75189738017 Option 3 ID: 75189738020 Option 4 ID: 75189738019 Status: Not Answered

Chosen Option: --

Q.95 The fuse used for domestic purpose is rated in the range of

Ans

★ 1. 100 Ampere – 200 Ampere

★ 2. 500 Ampere – 1000 Ampere

★ 4. 1000 Ampere – 2000 Ampere

Question ID: 75189713818 Option 1 ID: 75189755270 Option 2 ID: 75189755271 Option 3 ID: 75189755269

Option 4 ID: 75189755272 Status: Not Answered



Q.96 Select the option that does NOT support the role of the Indian Parliament.

Ans 🥒 1

To settle disputes and makes judgments between different level of governments

× 2. To select the national government

X 3. To control, guide and inform the government

★ 4 The function of law making

Question ID: 75189714021 Option 1 ID: 75189756082 Option 2 ID: 75189756081 Option 3 ID: 75189756083 Option 4 ID: 75189756084 Status: Answered

Chosen Option: 2

Q.97 Ram is to the south-west of Abhishek. Arjun is to the north of Ram as well as to the west of Abhishek. Pooja is to the west of Arjun. What is the position of Pooja with respect to Abhishek?

Ans X 1. South-West

× 2. East

X 3. North-East

4. West

Question ID: 75189713226 Option 1 ID: 75189752903 Option 2 ID: 75189752904 Option 3 ID: 75189752902 Option 4 ID: 75189752901 Status: Answered

Chosen Option: 4

Q.98 In Rajasthan, \_\_\_\_\_ is a nature loving community that conserves forest and wildlife.

Ans 1 Bishnoi

× 2. Banjara

× 3. Bhil

× 4. Chhipa

Question ID: 75189710285
Option 1 ID: 75189741137
Option 2 ID: 75189741138
Option 3 ID: 75189741139
Option 4 ID: 75189741140
Status: Not Answered

Chosen Option : --





Q.99 Which female tennis player has won the most Grand Slam tournament titles as of February 2021?

Ans 🔀 1. Steffi Grafa

✓ 2. Serena Williams

× 3. Chris Evert

X 4. Martina Navratilova

Question ID: 75189715401
Option 1 ID: 75189761602
Option 2 ID: 75189761601
Option 3 ID: 75189761604
Option 4 ID: 75189761603
Status: Not Answered

Chosen Option : --

Q.100 Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 6, 22) (4, 13, 47)

Ans

**X** 1. (7, 4, 36)

× 2. (29, 35, 68)

**X** 3. (23, 41, 77)

**√** 4. (9, 5, 33)

Question ID: 75189714951 Option 1 ID: 75189759803 Option 2 ID: 75189759802 Option 3 ID: 75189759801 Option 4 ID: 75189759804

Status : Answered

Chosen Option: 4

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