





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



Roll Number	
Candidate Name	
Test Center	Jagannath Institute Of Engineering And
Name	Technology
Test Date	30/08/2022
Test Time	9:00 AM - 10:30 AM
Subject	Level 1

^{*} Note

Correct Answer will carry 1 mark per Question. Incorrect Answer will carry 1/3 Negative mark per Question.

- 1. Options shown in green color with a tick icon are correct.
- 2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : Level 1

Q.1 Which of the following languages has NOT been mentioned in the 8th Schedule of the Indian Constitution?

Ans

- X 1. Odia
- √ 2. Awadhi
- × 3. Dogri
- × 4. Maithili

Question ID: 7518974187

Option 1 ID: 75189716746 Option 2 ID: 75189716748 Option 3 ID: 75189716747 Option 4 ID: 75189716745

Status: Not Answered

Chosen Option: --

Who is the Chairman of Rajya Sabha? (As of August 12, 2022)?

Ans

- X 1. Shri Om Birla
- ✓ 2. Shri Jagdeep Dhankhar
- X 3. Shri Harivansh
- X 4 Shri Rajnath Singh

Question ID: 7518977564

Option 1 ID: 75189730254 Option 2 ID: 75189730256

Option 3 ID: 75189730255 Option 4 ID: 75189730253

Status : Answered

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Q.3 Which was the first state of India to adopt the Panchayati Raj system in the year 1959?

Ans X 1. Odisha

√ 2. Rajasthan

X 3. Karnataka

× 4. Bihar

Question ID: 7518977570
Option 1 ID: 75189730279
Option 2 ID: 75189730278
Option 3 ID: 75189730277
Option 4 ID: 75189730280
Status: Answered

Chosen Option: 2

Q.4 The point of intersection of the medians of a triangle is called:

Ans X 1. Circumcentre

X 2. Orthocentre

× 3. incentre

4. Centroid

Question ID: 7518975768
Option 1 ID: 75189723069
Option 2 ID: 75189723071
Option 3 ID: 75189723072
Option 4 ID: 75189723070
Status: Answered

Chosen Option : 4

Q.5 Consider the V-I graphs for wires of material A and material B as described below:

Material A: It is a straight line passing through origin and is inclined at 20° to the current I axis.

Material B: It is a straight line passing through origin and is inclined at 60° to the current I axis.

Which of the following options is correct?

Ans X 1. Neither A nor B follow Ohm's law.

No 2 B follows Ohm's law but A does not.

3. Both A and B follow Ohm's law.

A follows Ohms' law but B does not.

Question ID: **7518976665**Option 1 ID: **75189726658**Option 2 ID: **75189726660**

Option 3 ID : **75189726657** Option 4 ID : **75189726659**

Status: Answered



Q.6 Bharat borrowed a sum of ₹10,000 at a certain rate of simple interest for 2 years. If he paid an interest of ₹2,000 at the end of the period, then find the rate of interest per annum.

Ans

X 1. 15%

× 2.25%

× 3. 20%

4.10%

Question ID: **7518975848**

Option 1 ID: **75189723390** Option 2 ID: **75189723389** Option 3 ID: **75189723392**

Option 4 ID : **75189723391** Status : **Answered**

Chosen Option: 4

Q.7 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 58132745, what will be the sum of the digits which are second from the left and third from the right?

Ans

1. 15

X 2. 10

X 3. 5

× 4. 8

Question ID: 7518977748

Option 1 ID: **75189730990**Option 2 ID: **75189730992**Option 3 ID: **75189730989**

Option 4 ID : **75189730991**

Status : Answered Chosen Option : 1

Q.8 Lakshman and Bharath start a business by investing ₹48,000 and ₹72,000, respectively. What is Bharath's share out of an annual profit of ₹6,530?

Ans

X 1. ₹2,612

√ 2. ₹3,918

×3. ₹3,080

× 4. ₹2,450

Question ID: 7518976264

Option 1 ID : **75189725053** Option 2 ID : **75189725054**

Option 3 ID : **75189725056**

Option 4 ID : **75189725055**

Status : Answered



Q.9 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)

(12, 112, 9)

(6, 28, 4)

Ans

X 1. (12, 149, 12)

√ 2. (18, 94, 5)

X 3. (13, 55, 4)

X 4. (11, 99, 9)

Question ID: 7518977740 Option 1 ID: 75189730960

Option 2 ID: 75189730959 Option 3 ID: 75189730958 Option 4 ID: 75189730957

Status: Answered

Chosen Option: 2

Q.10 Propanone has _____ carbons and _____ functional group.

X 1. 4, ketone

× 2. 3, aldehyde

X 3. 4, aldehyde

Question ID: 7518973559 Option 1 ID: 75189714233

Option 2 ID: 75189714236

Option 3 ID: 75189714235 Option 4 ID: 75189714234

Status: Answered

Chosen Option: 4

Simplify: $125 \div 25 \times 6 + [3 + (8 - 2)] \div 3$.

Ans X 1. 30

X 2. 39

3. 33

X 4. 45

Question ID: 7518975791

Option 1 ID: 75189723161

Option 2 ID: 75189723162

Option 3 ID: 75189723164

Option 4 ID: 75189723163

Status: Answered

Q.12 Which of the following is a precipitation reaction?

$$\checkmark$$
 1. $CuSO_4$ (aq) + $BaCl_2$ (aq) \rightarrow $BaSO_4$ (s) + $CuCl_2$ (aq)

$$\times$$
 2. Fe(s) + CuSO₄ (aq) \rightarrow FeSO₄ (aq) + Cu (s)

$$\times$$
 3. 2Al₂O₃ (l) → 4Al (l) + 3O₂ (g)

$$\times$$
 4. CuO + H₂ \rightarrow H₂O + Cu

Question ID: 7518973596 Option 1 ID: 75189714381 Option 2 ID: 75189714382 Option 3 ID: 75189714383

Option 4 ID: 75189714384 Status: Answered

Chosen Option: 1

Q.13 A certain number of people are sitting in a row, facing north. K sits to the immediate left of G. L sits to the immediate right of P. P is fourth to the right of G. L is fourth to the left of H. If no other person is sitting in the row, what is the total number of persons seated?

- Ans 🔀 1. 12
 - **2**. 11
 - X 3. 13
 - X 4. 10

Question ID: 7518977602 Option 1 ID: 75189730407

Option 2 ID: 75189730406 Option 3 ID: 75189730408 Option 4 ID: 75189730405

Status: Answered

Chosen Option: 4

Q.14 Refer to the following letter series and answer the question.

PQSDABUEHIRIAAYEJSBRXMFGUABUEHIR

How many such vowels are there in the series each of which is immediately preceded by a consonant and also immediately followed by a consonant?

Ans

- X 1. 5
- X 2. 2
- √ 3. 4
- X 4. 3

Question ID: 7518974997

Option 1 ID: 75189719988 Option 2 ID: 75189719985 Option 3 ID: 75189719987

Option 4 ID: 75189719986 Status: Answered



Q.15 The Khelo India University Games 2021 was organised in ____

Ans X 1. Patna

✓ 2. Bengaluru

× 3. Jaipur

X 4. Hyderabad

Question ID: 7518976472 Option 1 ID: 75189725885 Option 2 ID: 75189725886 Option 3 ID: 75189725887 Option 4 ID: 75189725888 Status: Not Answered

Chosen Option: --

Q.16 Eight clowns I, J, K, L, M, N, O and P were sitting around a square table, facing the centre. Some of them were sitting at the corners, while some were sitting at the exact centre of the sides. K was sitting to the immediate left of O. J was sitting to the immediate right of M. P was sitting second to the right of L. J was sitting fourth to the left of P. N was sitting fourth to the left of K. O was sitting to the immediate left of M. M is sitting at one of the corners. Who was sitting fourth to the left of I?

Ans X 1. O

X 2. P

X 3. L

√ 4. M

Question ID: 7518977581 Option 1 ID: 75189730321

Option 2 ID: 75189730324 Option 3 ID: 75189730322 Option 4 ID: 75189730323

Status: Answered

Chosen Option: 4

Q.17 The prayers on __ are supposed to be in the community mosque, and are known as the Jumma Namaz.

Ans

1 Friday

× 2. Tuesday

X 3. Wednesday

X 4. Thursday

Question ID: 7518977490

Option 1 ID: 75189729960

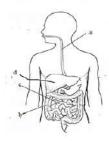
Option 2 ID: 75189729957 Option 3 ID: 75189729958

Option 4 ID: 75189729959

Status: Answered



Q.18 The diagram of the human alimentary canal Is given below. Select the option that shows the correct matching of Column I with Column II.



Column I	Column II
a	i) Villi absorb water from food
b	ii) Length depends on food the organism eats
С	iii) Helps in emulsification of fats
d	iv) No digestion

Ans

× 1 a-iii, b-ii, c-i, d-iv

× 2. a-i, b-ii, c-iii, d-iv

X 3. a-ii, b-iii, c-iv, d-i

Question ID: 7518974576 Option 1 ID: 75189718303 Option 2 ID: 75189718301

Option 3 ID: 75189718302 Option 4 ID: 75189718304

Status: Answered

Chosen Option: 4

Q.19 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons working in a film industry.



How many female actors are also models?

Ans X 1. 28

× 2. 46

√ 3. **17**

× 4. 70

Question ID: 7518977622

Option 1 ID: 75189730485 Option 2 ID: 75189730486

Option 3 ID: 75189730488

Option 4 ID: 75189730487

Status: Answered



Q.20 If carbon will form C⁴, then the number of electrons and protons in the carbon ion will be _____ respectively.

Ans X 1. 2; 4

× 2. 4; 2

3. 10: 6

X 4. 6; 10

Question ID: 7518973401 Option 1 ID: 75189713603 Option 2 ID: 75189713601 Option 3 ID: 75189713602 Option 4 ID: 75189713604

Status: Answered

Chosen Option: 3

Q.21 In May 2021, who was appointed as the Head Coach of Indian Women's National Cricket Team?

Ans

★ 1 Woorkeri Raman

2. Ramesh Powar

X 3. Rahul Dravid

X 4. Gary Kirsten

Question ID: 7518977145 Option 1 ID: 75189728577 Option 2 ID: **75189728578** Option 3 ID: 75189728579 Option 4 ID: 75189728580 Status: Answered

Chosen Option: 2

Q.22 Simplify $\frac{2.46 \times 2.46 - 1.46 \times 1.46}{2.46 \times 1.46}$, giving your answer as a fraction.

Ans

 \times 2. $\frac{392}{10000}$

 \times 3. $\frac{392}{1000}$

Question ID: 7518975807 Option 1 ID: 75189723228 Option 2 ID: 75189723226 Option 3 ID: 75189723227 Option 4 ID: 75189723225

Status: Answered Chosen Option: 4



Q.23 A litmus paper was used to check the pH of a solution. The solution turns blue litmus red, its pH is likely to be:

Ans X 1. 9

× 2. 8

√ 3. **5**

X 4. 7

Question ID: 7518973628 Option 1 ID: 75189714510 Option 2 ID: 75189714511 Option 3 ID: 75189714512

Option 4 ID: 75189714509 Status: Answered

Chosen Option: 3

Q.24 The given table shows the production of food grains (in tonnes) in a certain state of India for the period 2016-2020. Study the table and answer the question.

Pood grains	Wheat	Maize	Rice	Pulses	Beans
Year \ 2016	410	680	500	390	280
2017	500	700	550	400	250
2018	550	500	580	380	300
2019	510	750	560	500	260
2020	600	800	600	510	300

In the year 2018, the total production of rice and beans is approximately what percentage of the total production of rice and beans in the year 2020?

Ans

√ 1. 97.8%

× 2. 90.5%

× 3. 89.3%

X 4. 85.5%

Question ID: 7518977779

Option 1 ID: 75189731113 Option 2 ID: 75189731116

Option 3 ID: 75189731115

Option 4 ID: 75189731114

Status: Answered





Q.25 The radius of curvature of a concave mirror is 12 cm. Following New Cartesian Sign Convention, the principal focus is located at x = _

Ans X 1. 6 cm

× 2. −12 cm

√ 3. −6 cm

X 4. 12 cm

Question ID: 7518976593 Option 1 ID: 75189726369 Option 2 ID: 75189726372 Option 3 ID: 75189726371 Option 4 ID: 75189726370 Status: Answered

Chosen Option: 3

Q.26 Which of the following was declared a Fundamental Right in 2017 by the Supreme Court of India?

X 1. Right to Freedom of Religion

× 2 Right to Constitutional Remedies

× 4 Right against Exploitation

Question ID: 7518974291 Option 1 ID: 75189717162 Option 2 ID: 75189717164 Option 3 ID: **75189717163** Option 4 ID: 75189717161 Status: Not Answered

Chosen Option: --

Q.27 A 725 m long train passes through a 235 m long tunnel in 48 sec. Find the speed of the train.

Ans X 1. 82 km/h

√ 2. 72 km/h

× 3. 54 km/h

× 4. 66 km/h

Question ID: 7518975646 Option 1 ID: 75189722582 Option 2 ID: 75189722581 Option 3 ID: 75189722583 Option 4 ID: 75189722584

Status: Answered





Q.28 If two interior angles on the same side of a transversal intersecting two parallel lines are in the ratio 2: 3, then the greater of the two angles is:

Ans

× 1. 120°

× 2. 136°

√ 3. 108°

× 4. 54°

Question ID: 7518976196
Option 1 ID: 75189724783
Option 2 ID: 75189724784
Option 3 ID: 75189724782
Option 4 ID: 75189724781
Status: Answered

Chosen Option: 3

Q.29 Which option is correct regarding the movement of water and mineral ions in the root cells of a plant from the soil?

Ans

1. Ions and water are absorbed together

X 2

Water moves in first by diffusion, followed by active transport of ions

X 3

Ions move in first by passive transport, followed by water by active transport

4

Ions move in first by active transport, followed by water along the concentration gradient

Question ID: 7518974547
Option 1 ID: 75189718185
Option 2 ID: 75189718186
Option 3 ID: 75189718188
Option 4 ID: 75189718187
Status: Not Answered

Chosen Option : --

Q.30 When is the primary deficit zero in the Government of India budget?

Ans

X 1. When the fiscal deficit is equal to the revenue deficit

✓ 2. When the fiscal deficit is equal to the interest payment

X 3.

When the net interest payments is equal to the revenue deficit

When the revenue deficit is zero

Question ID : **7518974223**Option 1 ID : **75189716892**Option 2 ID : **75189716891**Option 3 ID : **75189716890**

Option 4 ID : **75189716889** Status : **Not Answered**





Q.31
Which of the following journals was published for the purpose of social-religious reforms among the Parsis in 1851?

Ans X 1. Bombay Herald

X 2. Somaprakash

X 4. Bombay Post

Question ID: 7518973806
Option 1 ID: 75189715221
Option 2 ID: 75189715222
Option 3 ID: 75189715224
Option 4 ID: 75189715223
Status: Not Answered

Chosen Option: --

Q.32 If the surface area of a sphere is $2124\frac{4}{7}$ cm², then what is the radius of that sphere? [Use $\pi = \frac{22}{7}$]

Ans X 1. 14 cm

× 2. 12 cm

X 3. 11 cm

√ 4. 13 cm

Question ID: 7518976363
Option 1 ID: 75189725449
Option 2 ID: 75189725451
Option 3 ID: 75189725452
Option 4 ID: 75189725450
Status: Answered

Chosen Option: 4

Q.33 The average age of a family of father, mother and 2 children is 26 years. If the sum of the ages of the father and the children is 62 years, find the age of the mother.

Ans

1. 42 years

× 2. 30 years

× 3. 26 years

× 4. 45 years

Question ID: 7518975890 Option 1 ID: 75189723559 Option 2 ID: 75189723558 Option 3 ID: 75189723557 Option 4 ID: 75189723560

Status : Answered





Q.34 A chemical that contributes to the depletion of the ozone layer is:

Ans X1 carbon tetrachloride

X 2. methane

× 3. phosphorus pentoxide

√ 4. chlorofluorocarbon

Question ID: 7518974464 Option 1 ID: 75189717854 Option 2 ID: 75189717855 Option 3 ID: 75189717856 Option 4 ID: 75189717853

Status: Answered

Chosen Option: 4

Q.35 Which of the following statements is NOT a myth?

If a girl looks at boys while menstruating, she becomes pregnant.

Foods like chips and canned snacks are low in nutrition and should be avoided during adolescence/reproductive phase

X 3.

The mother is ultimately accountable for her child's sexual orientation.

X 4.

During menstruation, a girl should not be permitted to work in the kitchen.

Question ID: 7518974412 Option 1 ID: 75189717645 Option 2 ID: 75189717648 Option 3 ID: 75189717646

Option 4 ID: 75189717647 Status: Answered

Chosen Option: 2

Q.36 Find the LCM of 84, 105 and 140.

Ans X 1. 240

× 2. 360

3. 420

X 4. 120

Question ID: 7518976041

Option 1 ID: 75189724162 Option 2 ID: 75189724163 Option 3 ID: 75189724161

Option 4 ID: 75189724164 Status: Answered

Q.37 India Plastics Pact, a joint initiative between which trade organisation and World-Wide Fund for Nature-India (WWF India), was launched in September 2021?

Ans

- 1. Confederation of Indian Industry
- × 2. Cellular Operators Association of India
- X 3. Engineering Exports Promotion Council
- X 4 Indian Association of Amusement Parks and Industries

Question ID: 7518973985
Option 1 ID: 75189715939
Option 2 ID: 75189715938
Option 3 ID: 75189715940
Option 4 ID: 75189715937
Status: Not Answered

Chosen Option: --

Q.38 The refractive indices of mediums 1, 2 and 3 are 1.46,1.65 and 1.31, respectively. If the speed of light in the mediums are v₁, v₂ and v₃, respectively, which of the following relations between them is correct?

$$\times$$
 2. $v_2 > v_3 > v_1$

$$\times$$
 3. $v_1 > v_2 > v_3$

$$\times$$
 4. $v_1 = v_2 = v_3$

Question ID: 7518976620 Option 1 ID: 75189726480 Option 2 ID: 75189726479 Option 3 ID: 75189726478 Option 4 ID: 75189726477

Status : Answered
Chosen Option : 1

Q.39 A dishonest shopkeeper pretends to sell his goods at cost price, but uses a false weight on which 984 gm is written but which actually weighs much less. Using this false weight the shopkeeper actually makes a gain of 23%. Find the actual measure of the weight used.

Ans

Question ID : **7518975863** Option 1 ID : **75189723450**

Option 2 ID: **75189723449**Option 3 ID: **75189723451**Option 4 ID: **75189723452**

Status : Answered

Q.40 Some functions of lymph are given below. Select the option with the correct functions.

- a) Carries digested and absorbed fat from intestine
- b) Carries CO2 to lungs
- c) Carries RBCs to the lymph nodes
- d) Drains excess fluid from extracellular space back into blood

Ans

- ✓ 1. a and d
- X 2. c and d
- X 3. b and c
- × 4. a and b

Question ID: **7518974591**Option 1 ID: **75189718364**Option 2 ID: **75189718363**Option 3 ID: **75189718362**

Option 4 ID : **75189718361**Status : **Answered**

Chosen Option: 2

Q.41 Which of the following can be expressed in the form of a standard quadratic equation?

Ans

$$\times$$
 1. $(2x-1)^3 = x^2 - 3x + 2$

$$\sqrt{2x^2+3x-4}-2x+5=0$$

$$\times$$
 3. $(x+1)(x+2) = x^2 - 16$

$$\times$$
 4. $(2x+3)^2 + 4x - 5 = (2x+1)(2x-3)$

Question ID: 7518976344

Option 1 ID: 75189725376

Option 2 ID: 75189725374

Option 3 ID: 75189725375

Option 4 ID: 75189725373

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.42 Which of the following numbers will replace the question mark (?) in the given series?

6, 8, 15, 37, 104, ?

Ans × 1. 308

× 2. 312

X 3. 310

4. 306

Question ID: 7518977721 Option 1 ID: 75189730882

Option 2 ID: 75189730884 Option 3 ID: 75189730883

Option 4 ID: 75189730881

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.43 The value of $\frac{\sin 16^{\circ}}{\cos 74^{\circ}} + \frac{\tan 14^{\circ}}{\cot 76^{\circ}} = is$:

Ans

√ 1. 2

X 2. 0

X 3. 3

X 4. 1

Question ID: 7518975780

Option 1 ID: 75189723119 Option 2 ID: 75189723117 Option 3 ID: 75189723120

Option 4 ID: 75189723118 Status: Answered

Chosen Option: 1

The valency of group 17 elements will be:

Ans

√ 1. 1

X 2. 2

× 3. 8

X 4. 5

Question ID: **7518973515**

Option 1 ID: 75189714057 Option 2 ID: 75189714058 Option 3 ID: 75189714060

Option 4 ID: 75189714059 Status: Answered





Q.45 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:

I. All B's are G's.

II. Some G's are S's.

III. Some S's are A's.

Conclusions:

I. All B's are S's.

II. Some A's are B's.

Ans

X 1. Only conclusion II follows

✓ 2. Neither conclusion I nor II follows

3. Both conclusions I and II follow

X 4. Only conclusion I follows

Question ID: 7518977313 Option 1 ID: 75189729250

Option 2 ID: 75189729251 Option 3 ID: 75189729252 Option 4 ID: 75189729249

Status: Answered Chosen Option: 2

Q.46 If the time in the mirror image of a 12-hour clock is 5:40, what is the actual time?

Ans

X 1. 2:10

X 2. 2:50

√ 3. 6:20

X 4. 6:10

Question ID: 7518976768

Option 1 ID: 75189727072

Option 2 ID: 75189727071 Option 3 ID: 75189727069

Option 4 ID: 75189727070

Status: Answered





Q.47 _____ is the first 'Made in India' Petascale Supercomputer installed at IIT Roorkee under the National Supercomputing Mission (NSM) in 2022.

Ans X 1. PARAM seva

PARAM Siddhi-AI

3. PARAM Ganga

Y 4 PARAM Pravega

Question ID: 7518974137
Option 1 ID: 75189716548
Option 2 ID: 75189716546
Option 3 ID: 75189716545
Option 4 ID: 75189716547
Status: Not Answered

Chosen Option : --

Q.48 Two train engines of same length are running in the same direction with speeds of 18 km/h and 36 km/h. If the faster engine crosses the slower one in 8 sec, what is the length of each train engine?

Ans X 1. 25 m

√ 2. 20 m

X 3. 30 m

× 4. 10 m

Question ID: 7518975877 Option 1 ID: 75189723507 Option 2 ID: 75189723506 Option 3 ID: 75189723508

Option 4 ID : **75189723505** Status : **Answered**

Which of the following is reducible to a quadratic equation?

A.)
$$(m + 1) - \frac{1}{m+1} = 65$$

B.)
$$x^3 + 3x = 2x^3 - 4x^2$$

C.)
$$(a + b)^2 = \frac{3}{b}$$

D.)
$$x + (3x - 2) = \frac{1}{x^2} - 6$$

Question ID: 7518975727

Option 1 ID: 75189722905 Option 2 ID: 75189722908 Option 3 ID: 75189722906

Option 4 ID: 75189722907 Status: Answered

Chosen Option: 1

Q.50 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.

MON: PLQ

KIT: NFW

X 1 LPG: OMK

X 2. TAP: WYS

✓ 3. PEN: SBQ

X 4. PET: SIW

Question ID: 7518977707 Option 1 ID: 75189730825 Option 2 ID: 75189730828

Option 3 ID: 75189730826 Option 4 ID: 75189730827

Status: Answered



Q.51 If '+' means '-', '-' means 'x', 'x' means '+' and '+' means '+', what will come in place of the question mark (?) in the following equation?

 $100 + 136 \times 17 - 12 \div 6 = ?$

Ans

X 1. 4

× 2. 14

X 3. 8

√ 4. 10

Question ID: 7518977418

Option 1 ID: 75189729669 Option 2 ID: 75189729672

Option 3 ID: 75189729670

Option 4 ID: 75189729671

Status: Answered Chosen Option : 4

Q.52 Six students - 1, 2, 3, 4, 5 and 6 - are sitting around a circular table facing the centre. 4 is sitting to the immediate right of 5 and immediate left of 6.5 is sitting second to the right of 3.6 and 3 are the immediate neighbours of 1. Who among the following is sitting to the immediate left of 2?

Ans 🗙 1. 6

√ 2. 3

X 3. 5

× 4. 4

Question ID: **7518977292**

Option 1 ID: 75189729166 Option 2 ID: 75189729165

Option 3 ID: 75189729167 Option 4 ID: 75189729168

Status: Answered



Q.53 In this question, a group of numbers/symbols is coded using letters as per the table given below and the conditions which follow. The correct combination of codes following the condition is your answer.

Number/Symbol	6	#	4	9	@	96	>	2	1	?	5	8	\$	3
Code	C	н	Т	J	D	G	М	х	v	w	K	U	N	L

Conditions:

- (i) If the first element is a symbol and the last, a number, the codes for these two are to be interchanged.
- (ii) If the first element is an odd number and the last, an even number, the first and last elements are to be coded as £.
- (iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

How will '\$ # 9 4 @ 3' be coded?

Ans

X1 NHJTDL

✓ 2. LHJTDN

X3. LHDTGN

X4. £HJTD£

Question ID: 7518975031

Option 1 ID: 75189720121 Option 2 ID: 75189720122

Option 3 ID: 75189720124

Option 4 ID: 75189720123

Status: Answered

Chosen Option: 2

Q.54 If any person is affected by a bee-sting attack, which chemical would be helpful for him to get some relief from pain?

Ans

✓ 1. Baking soda

× 2. Curd

X 3. Common salt

× 4. Vinegar

Question ID: 7518973447

Option 1 ID: 75189713787

Option 2 ID: 75189713785

Option 3 ID: 75189713786

Option 4 ID: 75189713788 Status: Answered

Q.55 The value of

$$(18 \div 9) \times (-7 + 9) - 7 \times 2 =$$

× 2. −13

X 3. −6

X 4. −12

Question ID: 7518975551

Option 1 ID: 75189722201 Option 2 ID: 75189722204 Option 3 ID: 75189722203 Option 4 ID: **75189722202**

Status: Answered

Chosen Option: 1

Q.56 In a certain code language, 'PUNCH' is written as 'OWMEG' and 'SHAWL' is written as 'RJZYK'. How will 'KARMA' be written in that language?

Ans X 1. JZQOZ

× 2. KZQPZ

X 4. KZQPY

Question ID: 7518974827

Option 1 ID: 75189719307 Option 2 ID: 75189719308 Option 3 ID: 75189719305 Option 4 ID: 75189719306

Status: Answered

Chosen Option: 3

Q.57 In an electric generator, ______ energy is used to rotate a conductor in a _____ field to produce electricity.

✓ 1. mechanical, magnetic

× 2. mechanical, electric

× 3. electrical, magnetic

× 4 electrical, electric

Question ID: 7518976747

Option 1 ID: 75189726987 Option 2 ID: 75189726988 Option 3 ID: 75189726986

Option 4 ID: 75189726985 Status: Answered





Q.58 If each of the digits in the number given below is arranged in the ascending order from left to right, the position of how many digits will remain unchanged as compared to that in the original number?

(Left) 6352897 (Right)

Ans

X 1 Three

√ 2. Two

X 3. None

X 4. One

Question ID: 7518975314

Option 1 ID: 75189721256 Option 2 ID: 75189721255 Option 3 ID: 75189721253

Option 4 ID: 75189721254 Status: Answered

Chosen Option: 2

Q.59 The present age of a father is $1\frac{1}{5}$ times the sum of the present ages of his two sons. Six years hence, the ratio of his age to the sum of the ages of his sons will be 6:5. The present age of the father is:

Ans

× 1. 45 years

× 2. 36 years

× 4. 50 years

Question ID: 7518976340

Option 1 ID: 75189725358 Option 2 ID: 75189725360 Option 3 ID: 75189725359

Option 4 ID: 75189725357 Status: Answered

Chosen Option: 3

Q.60 Starting from point A., Jagdish walks 98 m towards the west. He takes a left turn and walks 54 m. He takes a left turn again and walks 112 m. Again, he takes a left turn and walks 54 m to reach point B. How far and in which direction is point A from point B? (All turns are 90 degree turns only)

Ans X 1. 16 m, West

√ 2. 14 m, West

× 3. 14 m, East

× 4. 16 m, East

Question ID: 7518977689

Option 1 ID: 75189730756 Option 2 ID: 75189730754 Option 3 ID: 75189730753

Option 4 ID: 75189730755 Status: Answered





Q.61 Which of the following elements has valency 3?

Ans 💢 1. S

X 2. C

√ 4. Al

Question ID: 7518973525 Option 1 ID: 75189714098 Option 2 ID: 75189714100 Option 3 ID: 75189714097

Option 4 ID: 75189714099 Status: Answered

Chosen Option: 4

A 1100 W electric toaster operates at 220 V. The resistance of its coil is:

Ans \times 1. 11 Ω

Χ 2. 88 Ω

× 3. 22 Ω

√ 4. 44 Ω

Question ID: 7518976719

Option 1 ID: 75189726873 Option 2 ID: 75189726876 Option 3 ID: 75189726874

Option 4 ID: 75189726875 Status: Answered

Chosen Option: 4

Q.63 The maximum concentration of iron and steel industry is found in which region in India from following?

X 1 Bundelkhand Plateau

X 2. Malwa Plateau

✗ 3. Baghelkhand Plateau

Question ID: 7518977514

Option 1 ID: 75189730055 Option 2 ID: 75189730053

Option 3 ID: 75189730056

Option 4 ID: 75189730054

Status: Not Answered





Q.64 Ramu used to spend 72% of his income. His income is increased by 12% and he increases his expenditure by 5%. If

Ramu earlier saved \overline{x} and after the increases he now saves \overline{x} , then what is the value of $(\frac{x-y}{x} \times 100)$ %?

Ans X 1. 22%

X 2. 27%

X 3. 25%

4. 30%

Question ID: 7518976262

Option 1 ID: 75189725045 Option 2 ID: 75189725047

Option 3 ID: 75189725046 Option 4 ID: 75189725048

Status: Answered

Chosen Option: 4

Q.65 This question is based on the five, three-digit numbers given below.

(Left) 248 382 415 127 335 (Right)

(Example- 697 - First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the first digit of the second smallest number is multiplied with the second digit of the largest number?

Ans

√ 1. 2

X 2. 6

X 3. 4

X 4. 8

Question ID: 7518977669 Option 1 ID: 75189730673

Option 2 ID: 75189730675 Option 3 ID: 75189730674

Option 4 ID: 75189730676 Status: Answered

Chosen Option: 1

Q.66 The focus of a concave mirror is at a distance of 16 cm from its pole. Its centre of curvature will be at a distance of ____ from the pole.

Ans

× 1. 16 cm

× 2. 24 cm

X 3. 8 cm

√ 4. 32 cm

Question ID: 7518976578

Option 1 ID: 75189726310

Option 2 ID: 75189726311

Option 3 ID: 75189726309

Option 4 ID: 75189726312 Status: Answered





Q.67 Some of the advantages of transpiration to plants are mentioned below. Select the option that is a disadvantage.

Ans

- 1 causes cooling of plants by evaporation
- √ 2. can cause wilting of plants
- X 3. Provides water to leaf for photosynthesis
- × 4. Helps in transporting mineral ions

Question ID: 7518974545
Option 1 ID: 75189718179
Option 2 ID: 75189718180
Option 3 ID: 75189718177
Option 4 ID: 75189718178

Status: Answered

Chosen Option : 2

Q.68 What is the age group of the people benefitted under the Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) (As of July 2022)?

Ans

- × 2. 25 to 60 years
- × 3. 14 to 50 years
- × 4. 15 to 60 years

Question ID: 7518976488
Option 1 ID: 75189725949
Option 2 ID: 75189725951
Option 3 ID: 75189725952
Option 4 ID: 75189725950

Status: Not Answered

Chosen Option: --

Q.69 A certain number of people are sitting in a row, facing north. D sits to the immediate left of F. Only six people sit between S and D. K sits third to the right of F. S sits at the extreme left end of the row. If no other person is sitting in the row, what is the total number of persons seated?

Ans

- √ 1. 12
- X 2. 10
- X 3. 13
- × 4. 11

Question ID: 7518977601

Option 1 ID : **75189730403**Option 2 ID : **75189730401**Option 3 ID : **75189730404**

Option 4 ID : **75189730402** Status : **Answered**





Q.70 The table here gives the yield of wheat per hectare of 100 farmers of a village. What is the cumulative frequency of the class preceding the median class?

Production yield (Qui/Hec)	Number of farmers
30-40	5
40-50	18
50-60	15
60-70	22
70-80	27
80-90	13

Ans X 1. 43

2. 38

X 3. 29

X 4. 35

Question ID: 7518976312

Option 1 ID: 75189725245 Option 2 ID: 75189725246 Option 3 ID: 75189725248

Option 4 ID: 75189725247

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.71 A statement is given, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $L = U > V > E \le Z \le Q$

Ans

√ 1. U > E

× 2. Q > V

X 3. L < V

 \times 4. E = L

Question ID: 7518975195 Option 1 ID: 75189720778 Option 2 ID: 75189720780 Option 3 ID: 75189720777

Option 4 ID: 75189720779 Status: Answered





Q.72 The shopkeeper offers 3 successive discounts on a washing machine that costs ₹58,000, so that the price gets reduced to ₹42,000. If 5%,10% and x% are the respective discounts, find the value of x.

Ans X 1. 12

× 2. 10

✓ 3. **15.3**

X 4. 9

Question ID: 7518975641 Option 1 ID: 75189722561 Option 2 ID: 75189722564

Option 3 ID: 75189722562 Option 4 ID: 75189722563

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.73 If X is the greatest number that can divide 3808, 4798 and 5128 leaving the same remainder 13, then the sum of digits in X is:

Ans X 1. 18

√ 2. 12

X 3. 14

X 4. 16

Question ID: 7518976250

Option 1 ID: 75189725000 Option 2 ID: 75189724997 Option 3 ID: 75189724998 Option 4 ID: 75189724999

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.74 Seven boxes J, K, L, M, N, O and P are kept one over the other but not necessarily in the same order. Only five boxes are kept between K and J, L is kept immediately above P. M is kept immediately below N. O is kept at one of the positions above J. N is kept immediately below K. How many boxes are kept between N and J?

Ans

X 1. 1

X 2. 3

X 3. 2

√ 4. 4

Question ID: 7518977598

Option 1 ID: 75189730389 Option 2 ID: 75189730391 Option 3 ID: 75189730390

Option 4 ID: 75189730392 Status: Answered





Q.75 Refer to the following number series and answer the question.

56265853502638256937

How many such odd numbers are there each of which is immediately preceded by an even number and also immediately followed by an even number?

X 1. 4

X 2. 1

√ 3. **3**

X 4. 2

Question ID: 7518977663

Option 1 ID: 75189730652 Option 2 ID: 75189730649

Option 3 ID: 75189730651

Option 4 ID: 75189730650 Status: Answered

Chosen Option: 3

Q.76 As per the Union Budget of India 2022-23, how many kilometres wide corridor will be formed along the river Ganga for promotion of chemical free natural farming?

Ans X 1. 2.5 km

× 2. 7.5 km

√ 3. 5 km

× 4. 10 km

Question ID: 7518977500

Option 1 ID: 75189729997

Option 2 ID: 75189729999

Option 3 ID: 75189729998

Option 4 ID: 75189730000

Status: Not Answered

Chosen Option: --

Q.77 What kind of anti-viral face mask was being developed under the 'Nano mission project' to fight against the Covid-19 pandemic in February 2022?

Ans

X 1. Non-biodegradable anti-viral face mask

✓ 2. Copper-based nanoparticle coated anti-viral face mask

X 3. Self-disinfecting, non-biodegradable face mask

× 4. Biodegradable but non-washable anti-viral face mask

Question ID: 7518977164

Option 1 ID: 75189728653

Option 2 ID: 75189728654

Option 3 ID: 75189728655

Option 4 ID: 75189728656

Status: Not Answered

- Q.78 Consider the following statements about an electric motor:
 - (a) An electric motor uses split rings.
 - (b) The direction of the force on the motor's coil can be found using Fleming's right-hand rule.

Which of the above statements is/are correct?

Ans

- X 1. Neither (a) nor (b)
- × 2. Only (b)
- **X** 4. Both (a) and (b)

Question ID : **7518976745**Option 1 ID : **75189726980**Option 2 ID : **75189726978**Option 3 ID : **75189726977**Option 4 ID : **75189726979**

Status: Not Answered

Chosen Option : --

Q.79 Through which of the following places does the Standard Meridian of India pass?

Ans

- ★ 1 Kannauj
- 2. Mirzapur
- × 3. Agra
- × 4. Jaunpur



Question ID: 7518977523

Option 1 ID: 75189730091

Option 2 ID: 75189730090

Option 3 ID: 75189730092

Option 4 ID: 75189730089

Status : Answered

Chosen Option: 4

Q.80 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:
$$F = U \ge P = M \le K \le W \le T$$

Ans

- **X** 1. T < K
- \times 2. $P \ge K$
- \times 3. M > F
- \checkmark 4. $F \ge P$

Question ID : 7518975189

Option 1 ID : **75189720754** Option 2 ID : **75189720755**

Option 3 ID: **75189720753**

Option 4 ID : **75189720756**Status : **Answered**





Q.81 A nichrome wire AB is made of three parts, AC, CD and DB of resistances in the ratio of 1:2:3. The wire is connected to a battery. If V_1 , V_2 and V_3 are the potential drops across AC, CD and DB, respectively, then which of the following is

Ans

 \times 1. $V_1: V_2: V_3 = 2:3:1$

 \times 2. $V_1: V_2: V_3 = 1:1:1$

 \checkmark 3. $V_1: V_2: V_3 = 1:2:3$

 \times 4. $V_1: V_2: V_3 = 3:2:1$

Question ID: 7518976668

Option 1 ID: 75189726670

Option 2 ID: 75189726672

Option 3 ID: 75189726669

Option 4 ID: 75189726671

Status : Answered

Chosen Option: 3

Q.82 Which of the following is/are advantage(s) of building dams?

- i) Stores water for irrigation
- ii) No equitable distribution of water
- iii) Stores water for generating electricity
- iv) Canals from dams help in transferring water to great distances
- v) Benefits only to a few people

Ans

🔀 1. Only v

× 2. Only ii

× 3. ii and v

Question ID : **7518974702**

Option 1 ID : **75189718807** Option 2 ID : **75189718805**

Option 3 ID: **75189718808** Option 4 ID: **75189718806**

Status: Answered



Q.83 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:

Some tablets are mobile phones

All mobile phones are telephones

Some laptops are tablets

Conclusions:

(I) Some laptops are mobile phones

(II) Some telephones are laptops

(III) All tablets are telephones

Ans

✓ 1. None of the conclusions follow

2. Only conclusion I follows

✗ 3. Only conclusion I and III follows

★ 4. Only conclusion II follows

Question ID: 7518977608

Option 1 ID : **75189730432** Option 2 ID : **75189730429** Option 3 ID : **75189730431**

Option 4 ID : **75189730430**Status : **Answered**

Chosen Option: 1

Q.84 Which is the most commonly used measure for the size of the economy?

Ans

★ 1. Gross Net product (GNP)

× 2. Net domestic product (NDP)

3. Gross domestic product (GDP)

★ 4 Nation Net product (NNP)

Question ID: 7518974040

Option 1 ID: 75189716159

Option 2 ID: **75189716157**

Option 3 ID: 75189716158

Option 4 ID: 75189716160

Status : Answered



Q.85 The refractive indices of ice and glass are 1.31 and 1.52, respectively. A ray of light passes from ice to glass. The refractive index of glass with respect to ice is _____ and the ray bends _____ the normal in glass.

Ans × 1. 0.86, towards

× 2. 0.86, away from

★ 4 1.16, away from

Question ID: 7518976621 Option 1 ID: 75189726481 Option 2 ID: 75189726482 Option 3 ID: 75189726483 Option 4 ID: 75189726484

Status : Answered

Chosen Option : 4

Q.86 Which of the following terms will replace the question mark (?) and complete the given alphanumeric series?

25LN, 26OQ, 29RT, ? 41XZ

Ans

X 1. 30UV

× 2. 31UW

× 3. 34VW

√ 4. 34UW

Question ID: **7518977646**Option 1 ID: **75189730582**Option 2 ID: **75189730581**Option 3 ID: **75189730584**

Option 4 ID : **75189730583**Status : **Answered**

Chosen Option: 4

Q.87 In Which state of India experiences winter rainfall due to retreating monsoon?

Ans X 1. West Bengal

× 2. Gujarat

3. Madhya Pradesh

√ 4. Tamil Nadu

Question ID: 7518977528

Option 1 ID : **75189730111** Option 2 ID : **75189730109**

Option 3 ID : **75189730110** Option 4 ID : **75189730112**

Status: Not Answered





Q.88 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.

25:49::42:36::74:?

Ans

X 1. 120

X 2. 122

X 3. 118

4. 121

Question ID: 7518977727

Option 1 ID: **75189730906**Option 2 ID: **75189730905**Option 3 ID: **75189730907**

Option 4 ID: **75189730908**

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.89 There are two classrooms A and B having a certain number of students. If 5 students are shifted from A to B, then B has twice the number of students as A. If 1 student is sent from B to A, then both classrooms will have the same number of students. How many students are there in A?

Ans

√ 1. 17

X 2. 22

X 3. 26

X 4. 19

Question ID: 7518975703

Option 1 ID: Option 2 ID: Option 3 ID: Option 4 ID:

Status : Answered

Chosen Option: 1

Q.90 To reach point Q from point S, a person has to walk 83 m towards the west. He must then take a right turn and walk 240 m. He must take another right turn and walk 147 m. He must take another right turn and walk 240 m to reach the destination. How far and in which direction is point Q from point S? (All turns are 90 degree turns only)

Ans

× 1 59 m, East

× 2. 59 m, West

× 3. 64 m, West

Question ID: 7518977696

Option 1 ID: **75189730781**Option 2 ID: **75189730782**Option 3 ID: **75189730784**

Option 4 ID : **75189730783** Status : **Answered**



Q.91 Which of the following numbers will replace the question mark (?) in the given series?

87, 66, 53, 46, 43, ?

Ans

1. 42

X 2. 44

X 3. 40

× 4. 41

Question ID: 7518977713

Option 1 ID: 75189730851 Option 2 ID: 75189730852

Option 3 ID: 75189730849

Option 4 ID: 75189730850 Status: Answered

Chosen Option: 4

Q.92 Find the perimeter of a rhombus whose diagonals are of lengths 5 cm and 12 cm.

× 1. 20 cm

√ 2. 26 cm

× 3. 24 cm

× 4. 25 cm

Question ID: 7518975966

Option 1 ID: 75189723861

Option 2 ID: 75189723862

Option 3 ID: 75189723864 Option 4 ID: 75189723863

Not Attempted and Status : Marked For Review

Chosen Option: --

Q.93 If a + b = 27 and ab = 140, then what is the value of $a^3 + b^3$?

Ans X 1. 19683

× 2. 11340

3. 8343

X 4. 8433

Question ID: 7518976129

Option 1 ID: 75189724516

Option 2 ID: 75189724515

Option 3 ID: 75189724513

Option 4 ID: 75189724514

Status: Not Answered

Chosen Option : --





Q.94 A statement is given followed by two possible underlying assumptions I and II. Read all the information carefully and decide which of the given assumptions can be assumed by the given statement.

Statement

Recent marketing trends suggest that words like 'premium', 'exquisite', 'priority' are considered prestigious by consumers of the middle income group and hence increase the chances of sale of any product advertised with these words

Assumptions:

I. The products advertised with the said 'prestigious' words definitely cost higher than those which are not advertised with such words.

II. Such prestigious words have no impact on sales among the lower income group.

Ans

- ✗¹ Only I can be assumed.
- 2. Only II can be assumed
- 3. Both I and II can be assumed
- ✓ 4. Neither I nor II can be assumed

Question ID: 7518976764
Option 1 ID: 75189727053
Option 2 ID: 75189727054
Option 3 ID: 75189727055
Option 4 ID: 75189727056
Status: Answered

Chosen Option: 4

Q.95 In which one of the following regions will you find 'Bari Doab'?

Ans

- X 1. Between Ravi and Chenab
- X 2. Between Chenab and Jhelum
- 3. Between Beas and Ravi
- ★ 4. Between Beas and Sutlej

Question ID : **7518977260**

Option 1 ID : 75189729039

Option 2 ID : **75189729040**

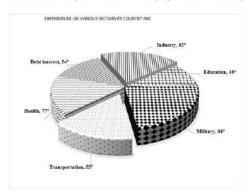
Option 3 ID: 75189729038

Option 4 ID: **75189729037**

Status: Not Answered



Q.96 The given circle graph shows the annual spending of country 'ABC' on various sectors during a particular year (in the form of central angle). Study the circle graph and answer the question.



If the amount spent on industry and transportation during a year was \$10 million, then what was the total approximate amount spent on all the various sectors by the country in that year?

Ans

- √ 1 \$30.8 million
- × 2. \$45.5 million
- X 3. \$20.5 million
- X 4. \$50 million

Question ID: 7518977775

Option 1 ID: 75189731100 Option 2 ID: 75189731099

Option 3 ID: 75189731097 Option 4 ID: 75189731098

Status: Answered

Chosen Option: 1

Q.97

Which of the following festivals is associated with the state of Assam?

- Ans X 1. Baisakhi
 - ✓ 2. Bihu
 - X 3. Onam
 - × 4. Pongal

Question ID: 7518974182

Option 1 ID: 75189716728

Option 2 ID: 75189716725

Option 3 ID: 75189716727

Option 4 ID: 75189716726

Status: Answered





Q.98 Which of the following is NOT a part of the female reproductive system?

Ans X 1. Fallopian tubes

× 2. Ovaries

✓ 3. Urethra

X 4. Uterus

Question ID: 7518974433 Option 1 ID: 75189717732 Option 2 ID: 75189717729 Option 3 ID: 75189717731 Option 4 ID: 75189717730 Status: Not Answered

Chosen Option: --

Q.99 Consider the below statements and identify the correct answer.

Statement-I: Sodium hydroxide is prepared by chlor-alkali process.

Statement-II: Three products chlorine gas, hydrogen gas and sodium hydroxide are produced in this process.

Ans

★ 1 Statement-I is true, and Statement-II is false.

✓ 2. Both the statements are true.

X 3. Statement-II is true, and Statement-I is false.

X 4 Both the statements are false.

Question ID: 7518973645 Option 1 ID: 75189714579 Option 2 ID: 75189714577 Option 3 ID: 75189714580 Option 4 ID: 75189714578

Status: Not Answered



Q.100 The numerator of a fraction is one less than the denominator. If 6 is added to the numerator, the fraction will be equal to $\frac{5}{4}$. Find the fraction.

Ans

$$\times$$
 1. $-\frac{20}{21}$

$$\times$$
 3. $\frac{20}{21}$

$$\times$$
 4. $-\frac{21}{20}$

Question ID : **7518976142**Option 1 ID : **75189724566**Option 2 ID : **75189724568**Option 3 ID : **75189724567**

Option 4 ID : **75189724565** Status : **Not Answered**

Chosen Option: --

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