



ne	
me	
	23/12/2023
	2:00 PM - 4:30 PM
	Instrumentation Engineer

anguage

the most appropriate antonym of the underlined word.

è was recovered in the immediate vicinity of the attack.

irons

ality

away

ty

Question ID : 630680504738

Option 1 ID : 6306801972502

Option 2 ID : 6306801972503

Option 3 ID : 6306801972501

Option 4 ID : 6306801972504

Status : Answered

Chosen Option : 3

è most appropriate idiom for the underlined phrase.

am aware that this was your last try, you won't lose your mind.

like ends meet

t the sack

use your marbles

in cats and dogs

Question ID : 630680504736

Option 1 ID : 6306801972493

Option 2 ID : 6306801972495

Option 3 ID : 6306801972496

the most appropriate synonym of the underlined word.

young, but she has an astute business acumen.

apt

use

reward

reave

Question ID : 630680504739

Option 1 ID : 6306801972507

Option 2 ID : 6306801972506

Option 3 ID : 6306801972508

Option 4 ID : 6306801972505

Status : Answered

Chosen Option : 3

the most appropriate word to fill in the blank.

He often _____ false information when it comes to my business.

Question ID : 630680504725

Option 1 ID : 6306801972453

Option 2 ID : 6306801972456

Option 3 ID : 6306801972454

Option 4 ID : 6306801972455

Status : Answered

Chosen Option : 2

ow consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

1. Most underwater noise comes from naval sonar devices.

2. It can be as loud as 235 decibels and travel hundreds of miles under water, interfering with whales' ability to use

3. Echolocation, works by sending pulses of sound down into the depths of the ocean to bounce off an object and return an echo which indicates a location for object.

4. It is shown that sonar can cause mass stranding of whales on beaches and alter the feeding behaviour of endangered blue

Q101

Q102

Q103

Q104

Question ID : 630680504728

Option 1 ID : 6306801972467

Option 2 ID : 6306801972466

Option 3 ID : 6306801972465

Option 4 ID : 6306801972468

Status : **Answered**

Chosen Option : 2

1. Choose the word that can substitute the given group of words.

2. Defamation is a form of writing that says bad, false, and harmful things about a person.

3. Slander

4. Libel

5. Seditious

6. Privilege

Question ID : 630680504730

Option 1 ID : 6306801972476

Option 2 ID : 6306801972475

Option 3 ID : 6306801972473

Option 4 ID : 6306801972474

Status : **Answered**

Chosen Option : 4

ie most appropriate idiom for the underlined phrase.

na fired his servant because he was a thief.

find your feet

go cold turkey

have sticky fingers

let the guards down

Question ID : 630680504737

Option 1 ID : 6306801972500

Option 2 ID : 6306801972499

Option 3 ID : 6306801972497

Option 4 ID : 6306801972498

Status : **Not Answered**

Chosen Option : --

w consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences
t paragraph.

ia's better preparedness to deal with the green-house gas which is responsible for global warming.

ck refers to the amount of carbon stored in forests in the form of biomass, soil, deadwood and litter.

green cover and carbon stock both indicates a healthy trend.

n stock, higher would be the forest's capacity to absorb and sequester carbon dioxide (CO₂), the main greenhouse
here, through photosynthesis.

QR

SRP

QS

QP

Question ID : 630680504727

Option 1 ID : 6306801972462

Option 2 ID : 6306801972461

Option 3 ID : 6306801972463

Option 4 ID : 6306801972464

Status : **Answered**

Chosen Option : 2

the most appropriate word to fill in the blank.

_____ your unnecessary demands all the time.

from

with

with

by

Question ID : 630680504726

Option 1 ID : 6306801972459

Option 2 ID : 6306801972457

Option 3 ID : 6306801972458

Option 4 ID : 6306801972460

Status : Answered

Chosen Option : 1

the word that can substitute the given group of words.

of dogs.

agoraphobia

anophobia

anophobia

agoraphobia

Question ID : 630680504729

Option 1 ID : 6306801972472

Option 2 ID : 6306801972469

Option 3 ID : 6306801972471

Option 4 ID : 6306801972470

Status : Answered

Chosen Option : 3

ision:

ssage carefully and select the correct answer for the given blanks out of the
ives.

stayed in Britain (1) _____ almost four centuries. In some parts of the
/ were met with rebellion and resistance, but in more peaceful areas cities
____, villas constructed and a network of roads developed that can still be (3)
And in AD 122, the emperor Hadrian, visiting Britain, ordered the building of
wall.

n No : 11

most appropriate option for blank _____ (3)

ted

ced

cked

bed

Question ID : 630680509616

Option 1 ID : 6306801991682

Option 2 ID : 6306801991683

Option 3 ID : 6306801991684

Option 4 ID : 6306801991681

Status : Answered

Chosen Option : 2

ision:

ssage carefully and select the correct answer for the given blanks out of the
ives.

stayed in Britain (1) _____ almost four centuries. In some parts of the
/ were met with rebellion and resistance, but in more peaceful areas cities
____, villas constructed and a network of roads developed that can still be (3)
And in AD 122, the emperor Hadrian, visiting Britain, ordered the building of
wall.

n No : 12

most appropriate option for blank _____ (2)

inded

ncated

ented

ted

Question ID : 630680509615

Option 1 ID : 6306801991677

Option 2 ID : 6306801991680

Option 3 ID : 6306801991678

Option 4 ID : 6306801991679

Status : Answered

Chosen Option : 1

ision:

ssage carefully and select the correct answer for the given blanks out of the
ives.

stayed in Britain (1) _____ almost four centuries. In some parts of the
y were met with rebellion and resistance, but in more peaceful areas cities
____, villas constructed and a network of roads developed that can still be (3)
And in AD 122, the emperor Hadrian, visiting Britain, ordered the building of
wall.

n No : 13

most appropriate option for blank _____ (1)

:

ce

m

Question ID : 630680509614

Option 1 ID : 6306801991676

Option 2 ID : 6306801991673

Option 3 ID : 6306801991675

Option 4 ID : 6306801991674

Status : Answered

Chosen Option : 3

ision:

lowing passage and answer the questions given below.

ige problems that are the root cause of India's population growth.
r as mortality and fertility rates, child marriage, boy's importance, ignorance
planning, rational decisions, polygamy marriage, and the age and sex factors
nt population influence population growth.
umans have made notable and significant advancements in the field of
science, and medicine. With the invention of treatments, vaccines, and the
of various diseases, people today have a higher life expectancy than their

tions have also led to a decrease in mortality rates, boosted fertility rates,
lved reproductive and infertility problems. Hence the massive improvements
and slowing mortality rates have been the main reason behind
on problems.

n No : 14

the structure of the passage?

scriptive

mpare and contrast

blem and solution

ocess writing

Question ID : 630680504735

Option 1 ID : 6306801972491

ision:

Following passage and answer the questions given below.

Some of the major problems that are the root cause of India's population growth are high mortality and fertility rates, child marriage, dowry deaths, illiteracy, ignorance of family planning, rational decisions, polygamy marriage, and the age and sex factors that influence population growth.

Humans have made notable and significant advancements in the field of science, and medicine. With the invention of treatments, vaccines, and the control of various diseases, people today have a higher life expectancy than their ancestors.

Modern medical technologies have also led to a decrease in mortality rates, boosted fertility rates, and solved reproductive and infertility problems. Hence the massive improvements in health care and slowing mortality rates have been the main reason behind population growth problems.

Question No : 15

Which of the following is the most appropriate tone of the passage?

Optimistic

Somber

Concerning

Philosophical

Question ID : 630680504732

Option 1 ID : 6306801972479

Option 2 ID : 6306801972477

Option 3 ID : 6306801972480

Option 4 ID : 6306801972478

Status : Answered

Chosen Option : 2

Adda247

ision:

lowing passage and answer the questions given below.

ige problems that are the root cause of India's population growth.
r as mortality and fertility rates, child marriage, boy's importance, ignorance
planning, rational decisions, polygamy marriage, and the age and sex factors
nt population influence population growth.

umans have made notable and significant advancements in the field of
science, and medicine. With the invention of treatments, vaccines, and the
of various diseases, people today have a higher life expectancy than their

tions have also led to a decrease in mortality rates, boosted fertility rates,
lved reproductive and infertility problems. Hence the massive improvements
and slowing mortality rates have been the main reason behind
on problems.

n No : 16

g to the given passage, which of the following statements is correct?

oday have a higher life expectancy than their forefathers.

marriage affects population.

ly I

ither I nor II

ly II

oth I and II

Question ID : **630680504733**

Option 1 ID : **6306801972481**

Option 2 ID : **6306801972484**

Option 3 ID : **6306801972482**

Option 4 ID : **6306801972483**

Status : **Answered**

Chosen Option : **4**

Adda247

ision:

Following passage and answer the questions given below.

Some of the major problems that are the root cause of India's population growth are high mortality and fertility rates, child marriage, dowry deaths, ill health, illiteracy, ignorance, lack of family planning, rational decisions, polygamy marriage, and the age and sex factors that influence population growth.

Humans have made notable and significant advancements in the field of science, and medicine. With the invention of treatments, vaccines, and the control of various diseases, people today have a higher life expectancy than their ancestors.

Modern medical technologies have also led to a decrease in mortality rates, boosted fertility rates, and solved reproductive and infertility problems. Hence the massive improvements in health care and slowing mortality rates have been the main reason behind the population growth problems.

Question No : 17

The word 'polygamy' in the passage means 'marriage to more than one spouse at a time'?

polygamy

life expectancy

polygamy

mortality

Question ID : 630680504734

Option 1 ID : 6306801972486

Option 2 ID : 6306801972487

Option 3 ID : 6306801972488

Option 4 ID : 6306801972485

Status : Answered

Chosen Option : 1

Quantitative Aptitude

Two circles of radii 2 cm and 7 cm. Length of direct common tangent is 12 cm. What is the distance between their centres?

10 cm

13 cm

15 cm

17 cm

Question ID : 630680505060

Option 1 ID : 6306801973771

Option 2 ID : 6306801973772

Option 3 ID : 6306801973770

Option 4 ID : 6306801973769

Status : Answered

Chosen Option : 3

are thrown simultaneously, then what is the probability of getting a sum of 3?

Question ID : 630680505052

Option 1 ID : 6306801973737

Option 2 ID : 6306801973738

Option 3 ID : 6306801973739

Option 4 ID : 6306801973740

Status : Answered

Chosen Option : 2

= 6, then what is the value of $K^4 + \frac{1}{K^4}$?

36

12

42

18

Question ID : 630680505051

Option 1 ID : 6306801973734

Option 2 ID : 6306801973736

Option 3 ID : 6306801973733

Option 4 ID : 6306801973735

Status : Answered

Chosen Option : 3

is as efficient as Punit. Vishal can complete a work in 63 days less than Punit. If both of them work together, then in
will the same work be completed?

days

days

days

5 days

Question ID : 630680505046

Option 1 ID : 6306801973716

Option 2 ID : 6306801973714

Option 3 ID : 6306801973715

Option 4 ID : 6306801973713

3S, then what is the value of $(R + S)/R$?

Question ID : 630680505044
Option 1 ID : 6306801973706
Option 2 ID : 6306801973707
Option 3 ID : 6306801973708
Option 4 ID : 6306801973705
Status : Answered
Chosen Option : 2

the value of $4 \times 5 - 44 \div 11 \times 3 + 28$?

Question ID : 630680505037
Option 1 ID : 6306801973677
Option 2 ID : 6306801973678
Option 3 ID : 6306801973680
Option 4 ID : 6306801973679
Status : Answered
Chosen Option : 1

times more than M, then M is what percentage less than L?

percent

percent

percent

percent

Question ID : 630680505039
Option 1 ID : 6306801973688
Option 2 ID : 6306801973685
Option 3 ID : 6306801973687
Option 4 ID : 6306801973686
Status : Answered

numbers is 23. If every number is doubled, then what will be the new average of the numbers?

Question ID : 630680505029
Option 1 ID : 6306801973645
Option 2 ID : 6306801973648
Option 3 ID : 6306801973647
Option 4 ID : 6306801973646
Status : Answered
Chosen Option : 4

$6Q$ and $9Q = 5R$, then what is the value of $P : Q : R$?

- : 65 : 88
- : 75 : 78
- : 55 : 99
- : 45 : 38

Question ID : 630680505045
Option 1 ID : 6306801973710
Option 2 ID : 6306801973711
Option 3 ID : 6306801973709
Option 4 ID : 6306801973712
Status : Answered
Chosen Option : 3

circumference of a circle is 352 cm, then what is its radius?

- cm
- cm
- cm
- cm

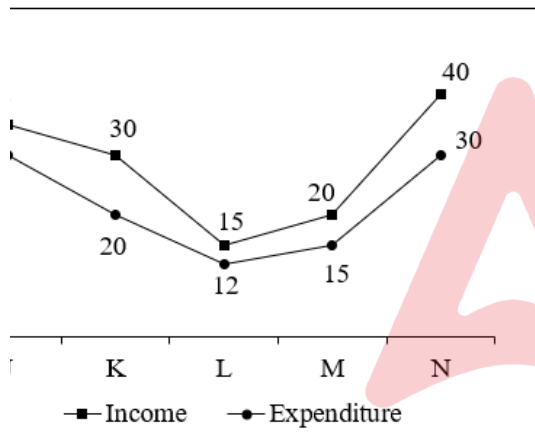
Question ID : 630680505056
Option 1 ID : 6306801973754
Option 2 ID : 6306801973755
Option 3 ID : 6306801973753
Option 4 ID : 6306801973756
Status : Answered
Chosen Option : 4

price of his table 60 percent above the cost price. He gives some discount on it and earns profit of 40 percent.
What is the discount percentage?

- 10 percent
- 15 percent
- 20 percent
- 33 percent

Question ID : 630680505043
Option 1 ID : 6306801973703
Option 2 ID : 6306801973704
Option 3 ID : 6306801973702
Option 4 ID : 6306801973701
Status : Answered
Chosen Option : 2

The line graph given below shows the income and expenditure of five companies.



What is the ratio of average saving of J and K to the average income of M and N?

- 1
- 4
- 5
- 2

Question ID : 630680505034
Option 1 ID : 6306801973665
Option 2 ID : 6306801973666
Option 3 ID : 6306801973667
Option 4 ID : 6306801973668
Status : Answered
Chosen Option : 2

a cube is increased by 6 percent, then what will be the percentage change in the volume of the cube?

- .50 percent
- .10 percent
- 56 percent
- 42 percent

Question ID : 630680505057

Option 1 ID : 6306801973758

Option 2 ID : 6306801973757

Option 3 ID : 6306801973759

Option 4 ID : 6306801973760

Status : Answered

Chosen Option : 2

$= \frac{5}{13}$, then what is the value of $\cos\theta + 2\tan\theta$?

$\frac{7}{1}$

Question ID : 630680505061

Option 1 ID : 6306801973773

Option 2 ID : 6306801973776

Option 3 ID : 6306801973774

Option 4 ID : 6306801973775

Status : Not Answered

Chosen Option : --

oves at a speed of 10 m/s for 32 hours. What is the distance travelled by the scooter?

- 52 km
- 14 km
- 3 km
- 46 km

Question ID : 630680505048

Option 1 ID : 6306801973721

Option 2 ID : 6306801973723

Option 3 ID : 6306801973724

Option 4 ID : 6306801973722

Status : Answered

It has an outer radius of 10 cm and inner radius of 4 cm. What is the volume of this hollow sphere?

$50\pi \text{ cm}^3$

$5\pi \text{ cm}^3$

$5\pi \text{ cm}^3$

$48\pi \text{ cm}^3$

Question ID : 630680505058

Option 1 ID : 6306801973764

Option 2 ID : 6306801973762

Option 3 ID : 6306801973763

Option 4 ID : 6306801973761

Status : **Answered**

Chosen Option : 4

J is more than K and K is 20 percent less than L. If J is 930, then what is the value of L?

)

0

)

)

Question ID : 630680505040

Option 1 ID : 6306801973691

Option 2 ID : 6306801973689

Option 3 ID : 6306801973692

Option 4 ID : 6306801973690

Status : **Answered**

Chosen Option : 2

Rs. 1600 becomes Rs. 2200 at some rate of simple interest in 2 years. In how many years will the sum of Rs. 1600 amount to the same rate of simple interest?

years

years

years

years

Question ID : 630680505031

Option 1 ID : 6306801973653

Option 2 ID : 6306801973654

Option 3 ID : 6306801973655

Option 4 ID : 6306801973656

Status : **Answered**

Chosen Option : 4

of a chair is Rs. 1600. If loss percentage is 36 percent, then what is the cost price of chair?

- a. 2000
- b. 3400
- c. 2700
- d. 2500

Question ID : 630680505041

Option 1 ID : 6306801973693

Option 2 ID : 6306801973694

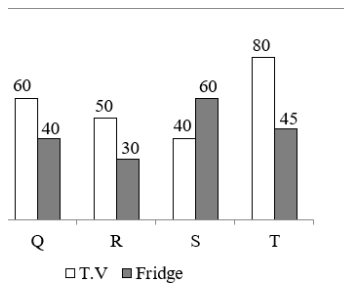
Option 3 ID : 6306801973696

Option 4 ID : 6306801973695

Status : Answered

Chosen Option : 4

iven below shows the production of television and fridge by different companies.



llowing statement is correct?

roduction of television and fridge by P is 140 percent of the average production television and fridge by S.

otal production of television by Q and R to the total production of fridge by S and T are 22 : 21.

ly I

ither I nor II

th I and II

ly II

Question ID : 630680505035

Option 1 ID : 6306801973669

Option 2 ID : 6306801973672

Option 3 ID : 6306801973671

Option 4 ID : 6306801973670

Status : Answered

Chosen Option : 4

100 for 2 years at compound interest (compounded annually) in a company which paid him interest of Rs. 6681.6.
annual rate of interest at which R invested his money?

percent

percent

percent

percent

Question ID : 630680505033
Option 1 ID : 6306801973662
Option 2 ID : 6306801973663
Option 3 ID : 6306801973664
Option 4 ID : 6306801973661
Status : **Not Answered**
Chosen Option : --

laptop for Rs. 3400 and spends Rs. 600 on its repairs. If he sells the laptop for Rs. 4500, then what is his profit

28 percent

.5 percent

5 percent

66 percent

Question ID : 630680505042
Option 1 ID : 6306801973698
Option 2 ID : 6306801973700
Option 3 ID : 6306801973697
Option 4 ID : 6306801973699
Status : **Answered**
Chosen Option : 2

the value of $1.75 \times 1.75 + 0.05 \times 0.05 - 0.1 \times 1.75$?

15

39

16

4

Question ID : 630680505036
Option 1 ID : 6306801973673
Option 2 ID : 6306801973676
Option 3 ID : 6306801973674
Option 4 ID : 6306801973675
Status : **Answered**
Chosen Option : 2

by a chord AB on the circumference is 45 degree. If radius of this circle is 8 cm, then what is the length of AB?

$\sqrt{2}$ cm

$\sqrt{2}$ cm

$\sqrt{2}$ cm

$\sqrt{2}$ cm

Question ID : 630680505059

Option 1 ID : 6306801973768

Option 2 ID : 6306801973766

Option 3 ID : 6306801973765

Option 4 ID : 6306801973767

Status : Answered

Chosen Option : 3

A speaks truth is 4/5 and probability that B speaks truth is 2/5. What will be the probability that both are lying while news?

Question ID : 630680505053

Option 1 ID : 6306801973743

Option 2 ID : 6306801973744

Option 3 ID : 6306801973742

Option 4 ID : 6306801973741

Status : Answered

Chosen Option : 3

5 results was calculated as 92 but later it was found that while calculating, 182 was taken as 82 by mistake. What is the correct average?

55

65

25

.33

Question ID : 630680505030

Option 1 ID : 6306801973649

Option 2 ID : 6306801973650

Option 3 ID : 6306801973652

Option 4 ID : 6306801973651

Value of P the two equations $2x + 5y = 7$ and $Px + 10y = 15$ will have no solution?

- = 4
- = -4
- = 2
- = 8

Question ID : 630680505050

Option 1 ID : 6306801973729

Option 2 ID : 6306801973731

Option 3 ID : 6306801973730

Option 4 ID : 6306801973732

Status : Answered

Chosen Option : 1

At the rate of 33 percent per annum on compound interest (compounded in every four months). What will be the amount of 8 months?

- . 2340
- . 2360
- . 2321
- . 2550

Question ID : 630680505032

Option 1 ID : 6306801973659

Option 2 ID : 6306801973657

Option 3 ID : 6306801973660

Option 4 ID : 6306801973658

Status : Not Answered

Chosen Option : --

If a, b, c are the roots of the cubic equation $x^3 + 3x^2 - 2x + 5 = 0$, then what is the value of $\frac{1}{a} + \frac{1}{b} + \frac{1}{c}$?

Adda247

Question ID : 630680505055

Option 1 ID : 6306801973751

Option 2 ID : 6306801973752

Option 3 ID : 6306801973750

Option 4 ID : 6306801973749

Status : Answered

Chosen Option : 4

between X and Z is 1782 km. An express train leaves X at 9:50 a.m. and travels at a speed of 198 km/hr. The train stops for 15 minutes. At what time the train will reach at Z?

- 5 pm
- 20 pm
- 5 pm
- 05 pm

Question ID : **630680505049**
Option 1 ID : **6306801973727**
Option 2 ID : **6306801973728**
Option 3 ID : **6306801973725**
Option 4 ID : **6306801973726**
Status : **Answered**
Chosen Option : **4**

complete a work in 80 days and Y alone can do the same work in half time of the time taken by A. Working together, in how many days the same work they can complete in a day?

Question ID : **630680505047**
Option 1 ID : **6306801973719**
Option 2 ID : **6306801973718**
Option 3 ID : **6306801973720**
Option 4 ID : **6306801973717**
Status : **Answered**
Chosen Option : **2**

The sum of the three consecutive odd numbers is 2145. What is the average of the three numbers?

Question ID : **630680505038**
Option 1 ID : **6306801973682**
Option 2 ID : **6306801973683**
Option 3 ID : **6306801973684**
Option 4 ID : **6306801973681**
Status : **Answered**

degree, then what is the value of $\frac{\sin \theta + \cos 2\theta}{\tan 2\theta + \operatorname{cosec} 2\theta}$?

Question ID : 630680505062

Option 1 ID : 6306801973779

Option 2 ID : 6306801973777

Option 3 ID : 6306801973780

Option 4 ID : 6306801973778

Status : Answered

Chosen Option : 2

the roots of the quadratic equation $x^2 + 5x + 5 = 0$, then what is the value of $\alpha^2 + \beta^2$?

Question ID : 630680505054

Option 1 ID : 6306801973745

Option 2 ID : 6306801973746

Option 3 ID : 6306801973747

Option 4 ID : 6306801973748

Status : Answered

Chosen Option : 3

ial Potential Test

Following question, select the missing number from the given series.

.06, 65, 108, ?

Question ID : 630680504857

Option 1 ID : 6306801972958

ng given below made up of symbols and numbers. How many numbers are immediately followed by a symbol?

& * % % 3 7 3 3 7 & & &

Question ID : **630680504842**

Option 1 ID : **6306801972899**

Option 2 ID : **6306801972900**

Option 3 ID : **6306801972897**

Option 4 ID : **6306801972898**

Status : **Answered**

Chosen Option : **3**

question below are given some statements followed by some conclusions based on those statements. Taking the to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide n conclusion logically follows the given statements.

iter.

re water.

: yellow.

non.

s not water.

I conclusion follows

th conclusions II and III follows

ither conclusion follows

ly conclusion II follows

Question ID : **630680504835**

Option 1 ID : **6306801972869**

Option 2 ID : **6306801972870**

Option 3 ID : **6306801972872**

Option 4 ID : **6306801972871**

Status : **Answered**

Chosen Option : **1**

three digit numbers given below and the answer the questions based on it.

96 314 445 (Right)

Numbers are arranged in descending order from left to right. What is the sum of the left most and right most numbers?

- 0
- 1
- 9
- 1

Question ID : 630680504838
Option 1 ID : 6306801972882
Option 2 ID : 6306801972883
Option 3 ID : 6306801972884
Option 4 ID : 6306801972881
Status : Answered
Chosen Option : 1

If $B30C6 = 125$ and $65A50B15C5 = 215$, then $4A7B8C4 = ?$

Question ID : 630680504855
Option 1 ID : 6306801972951
Option 2 ID : 6306801972952
Option 3 ID : 6306801972949
Option 4 ID : 6306801972950
Status : Not Answered
Chosen Option : --

In a certain language, 'THOSE' is written as '268', 'RATES' is written as '252'. What is the code for 'YEAR' in that code

- 2
- 4
- 3
- 6

Question ID : 630680504832
Option 1 ID : 6306801972859
Option 2 ID : 6306801972860
Option 3 ID : 6306801972857
Option 4 ID : 6306801972858
Status : Answered
Chosen Option : 1

Following question, select the related letter pair from the given alternatives.

?

Γ : JS

: GL

: QP

∩ : ZM

Question ID : 630680504846

Option 1 ID : 6306801972914

Option 2 ID : 6306801972916

Option 3 ID : 6306801972915

Option 4 ID : 6306801972913

Status : **Not Answered**

Chosen Option : --

in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE: d be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then mathematical operations on 1 and 3 is not allowed)

, 20, 29)

, 49, 77)

, 51, 59)

, 40, 56)

Question ID : 630680504859

Option 1 ID : 6306801972965

Option 2 ID : 6306801972966

Option 3 ID : 6306801972967

Option 4 ID : 6306801972968

Status : **Answered**

Chosen Option : 3

Three three letter words given below and the answer the questions based on it.

PS AND POT KIL (Right)

Is are arranged in alphabetical order from left to right. Which word will come at fourth place from left?

OT

IL

OS

L

Question ID : 630680504839

Option 1 ID : 6306801972885

Option 2 ID : 6306801972886

Option 3 ID : 6306801972888

Option 4 ID : 6306801972887

Status : Answered

Chosen Option : 1

String given below made up of letters. How many vowels are immediately followed by another vowel?

LXPIAXJQDSYPJ

Question ID : 630680504841

Option 1 ID : 6306801972893

Option 2 ID : 6306801972896

Option 3 ID : 6306801972894

Option 4 ID : 6306801972895

Status : Answered

Chosen Option : 2

In the following question, select the odd letter/letters from the given alternatives.

J

T

Y

Y

Question ID : 630680504847

Option 1 ID : 6306801972920

Option 2 ID : 6306801972917

Option 3 ID : 6306801972919

Option 4 ID : 6306801972918

Status : Answered

Chosen Option : 4

in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE: d be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then ematical operations on 1 and 3 is not allowed)

56, 63)

42, 54)

30, 35)

15, 24)

Question ID : 630680504858

Option 1 ID : 6306801972961

Option 2 ID : 6306801972963

Option 3 ID : 6306801972964

Option 4 ID : 6306801972962

Status : Answered

Chosen Option : 2

B, C, D, E, F, G and H are sitting around a circular table facing opposite to the centre (not necessarily in the same ad to the left of H. A is third to the left of B. D is to immediate right of H. F is fourth to the left of D. C is the bour of H and B. G is second to the right of H. Who is sitting second to the right of G?

Question ID : 630680504828

Option 1 ID : 6306801972841

Option 2 ID : 6306801972843

Option 3 ID : 6306801972842

Option 4 ID : 6306801972844

Status : Not Answered

Chosen Option : --

owing question, select the related letters from the given alternatives.

:: AE : ?

J

I

K

Question ID : 630680504845

Option 1 ID : 6306801972911

q 9 = 27 and $14 p 2 q 3 = 21$, then $15 p 5 q 4 = ?$

Question ID : 630680504853

Option 1 ID : 6306801972941

Option 2 ID : 6306801972942

Option 3 ID : 6306801972944

Option 4 ID : 6306801972943

Status : **Answered**

Chosen Option : 2

nely - P, Q, R, S, T, U, V and W live on separate floors of an eight-floor building in Gokuldharm apartment. Ground floor is numbered 1; first floor is numbered 2 and so on until the topmost floor which is numbered 8.

live between P and Q. V lives immediately above S. T lives immediately above R. T lives above W. U lives on an floor. Only one person lives between T and W. P lives on the floor numbered five. Q lives above P. Then find, who

is

Question ID : 630680504831

Option 1 ID : 6306801972854

Option 2 ID : 6306801972853

Option 3 ID : 6306801972856

Option 4 ID : 6306801972855

Status : **Not Answered**

Chosen Option : --

Adda247

Each of the following problems has a question and two statements (I) and (II).
The value of a and b?

= 36

Statement I can be answered by using one of the statement alone but cannot be answered by using the other statement alone.

Statement II can be answered by using both the statements together but not by either statement alone.

Statement I and II together can be answered by using either of the statement (I) or (II) alone.

Statement I and II together cannot be answered even by using both the statements together.

Question ID : 630680504849

Option 1 ID : 6306801972925

Option 2 ID : 6306801972927

Option 3 ID : 6306801972926

Option 4 ID : 6306801972928

Status : Answered

Chosen Option : 2

Given below, relationships between different elements are shown in the statements. These statements are followed by
Give answer:

$T4 \geq T5 > T6 = T7$

Conclusion I: Neither conclusion I nor conclusion II is true

Conclusion II: Only conclusion I is true

Conclusion III: Only conclusion II is true

Conclusion IV: Both conclusions I and II are true

Question ID : 630680504843

Option 1 ID : 6306801972903

Option 2 ID : 6306801972901

Option 3 ID : 6306801972902

Option 4 ID : 6306801972904

Status : Answered

Chosen Option : 1

ing pair (Fifth number : Sixth number) which is related in the same way as the first number is related to the second number is related to fourth number. (NOTE: Operations should be performed on the whole numbers, without the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 is not allowed)

1 :: ?

63

24

8

: 98

Question ID : 630680504860

Option 1 ID : 6306801972970

Option 2 ID : 6306801972972

Option 3 ID : 6306801972969

Option 4 ID : 6306801972971

Status : Not Answered

Chosen Option : --

if '×' means '+', '+' means '-' and '-' means '×', then $6 + 8 \times 10 + 40 - 2 = ?$

Question ID : 630680504854

Option 1 ID : 6306801972946

Option 2 ID : 6306801972945

Option 3 ID : 6306801972947

Option 4 ID : 6306801972948

Status : Answered

Chosen Option : 1

P is the brother of Q', 'P × Q' means 'P is the mother of Q', 'P + Q' means 'P is the father of Q' and 'P - Q' means 'P is the daughter of Q'. If $M - K \times F + D + N \times R$, then how is N related to K?

daughter

son's daughter

daughter's daughter

son's son

Question ID : 630680504834

Option 1 ID : 6306801972867

Option 2 ID : 6306801972866

Option 3 ID : 6306801972865

Option 4 ID : 6306801972868

Status : Answered

Chosen Option : 2

ven below, relationships between different elements are shown in the statements. These statements are followed by
Give answer:

$$4 \geq S5 > T6 = S7$$

only conclusion I is true

only conclusion II is true

both conclusions I and II are true

neither conclusion I nor conclusion II is true

Question ID : 630680504844
Option 1 ID : 6306801972905
Option 2 ID : 6306801972906
Option 3 ID : 6306801972908
Option 4 ID : 6306801972907
Status : **Answered**
Chosen Option : 4

n with one term missing. Select the correct alternative from the given ones that will complete the series.

i, ?

[

∩

⊗

∪

Question ID : 630680504850
Option 1 ID : 6306801972932
Option 2 ID : 6306801972930
Option 3 ID : 6306801972931
Option 4 ID : 6306801972929
Status : **Answered**
Chosen Option : 3

ag given below made up of numbers from 0 to 9. How many even digits are immediately followed by odd digit?

7 1 5 7 6 3 5 8 3 5 8

Question ID : 630680504840
Option 1 ID : 6306801972889

followed by a set of conclusions in the given question. Identify which conclusion follows logically from the following

fact greater work prospects, the government is encouraging today's youth to learn more than one skill.

ent is necessary to attract better job opportunities.
lack focus.

th I and II follow

ither I nor II follows

ily I follow

ly II follows

Question ID : 630680504851

Option 1 ID : 6306801972935

Option 2 ID : 6306801972936

Option 3 ID : 6306801972933

Option 4 ID : 6306801972934

Status : **Not Answered**

Chosen Option : --

tion, a statement is followed by two courses of action. Based on the information given in the statement, you have to
g in the statement to be true. Identify which course(s) of action logically follows.

ool bus carrying students home from school was hijacked in broad daylight.

:

ie students must be immediately informed.

erage, all media workers must be summoned.

ily I follow

th I and II follow

ither I nor II follows

ly II follows

Question ID : 630680504852

Option 1 ID : 6306801972937

Option 2 ID : 6306801972939

Option 3 ID : 6306801972940

Option 4 ID : 6306801972938

Status : **Not Answered**

Chosen Option : --

, M and N takes lecture on one day of a week starting from Monday to Friday. No two teacher takes lecture on same
achers take lecture between J and K. M takes lecture after L and before N. K does not take lecture on Monday. Who
Wednesday?

Question ID : **630680504829**

Option 1 ID : **6306801972845**

Option 2 ID : **6306801972848**

Option 3 ID : **6306801972847**

Option 4 ID : **6306801972846**

Status : **Not Answered**

Chosen Option : --

B, C, D, E, F, G and H are sitting around a circular table facing opposite to the centre (not necessarily in the same
id to the left of H. A is third to the left of B. D is to immediate right of H. F is fourth to the left of D. C is the
bour of H and B. G is second to the right of H. Who is sitting on the immediate right of B?

Question ID : **630680504827**

Option 1 ID : **6306801972840**

Option 2 ID : **6306801972839**

Option 3 ID : **6306801972837**

Option 4 ID : **6306801972838**

Status : **Not Answered**

Chosen Option : --

Adda247

question below are given some statements followed by some conclusions based on those statements. Taking the to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide n conclusion logically follows the given statements.

ero.

ter.

heroin.

e hero.

are writer.

th conclusions I and III follows

ly conclusion I follows

ly conclusion II follows

th conclusions II and III follows

Question ID : 630680504836

Option 1 ID : 6306801972874

Option 2 ID : 6306801972875

Option 3 ID : 6306801972873

Option 4 ID : 6306801972876

Status : Answered

Chosen Option : 2

Following question, select the missing number from the given series.

1, 120, ?

)

)

)

0

Question ID : 630680504856

Option 1 ID : 6306801972955

Option 2 ID : 6306801972953

Option 3 ID : 6306801972956

Option 4 ID : 6306801972954

Status : Answered

Chosen Option : 4

teenth from the right end in a row of 40 boys. What is his position from the left end?

Question ID : 630680504830
Option 1 ID : 6306801972851
Option 2 ID : 6306801972852
Option 3 ID : 6306801972849
Option 4 ID : 6306801972850
Status : **Answered**
Chosen Option : 1

Following question, select the odd letter/letters from the given alternatives.

BYUP
FBW
PLG
NHC

Question ID : 630680504848
Option 1 ID : 6306801972923
Option 2 ID : 6306801972924
Option 3 ID : 6306801972921
Option 4 ID : 6306801972922
Status : **Answered**
Chosen Option : 4

In a certain code language, 'EMPTY' is written as 'CXTQI'. What is the code for 'FOODS' in that code language?

HTTJ
HSSJ
HSSK
HRRJ

Question ID : 630680504833
Option 1 ID : 6306801972862
Option 2 ID : 6306801972863
Option 3 ID : 6306801972864
Option 4 ID : 6306801972861
Status : **Not Answered**
Chosen Option : --

km towards North. He turns right and walks 42 km. He turns right and walks 52 km. How far is he now from the

km

km

km

km

Question ID : **630680504837**

Option 1 ID : **6306801972877**

Option 2 ID : **6306801972879**

Option 3 ID : **6306801972880**

Option 4 ID : **6306801972878**

Status : **Answered**

Chosen Option : **4**

Knowledge

A pressure transmitter of a flow meter using a venturi tube reads $1.6 \times 10^5 \text{ Pa}$ for a flow rate of $0.4 \text{ m}^3/\text{s}$. The approximate pressure drop for a differential pressure $0.4 \times 10^5 \text{ Pa}$ is:

$0.4 \text{ m}^3/\text{s}$

$0.8 \text{ m}^3/\text{s}$

$1.6 \text{ m}^3/\text{s}$

$3.2 \text{ m}^3/\text{s}$

Question ID : **630680505248**

Option 1 ID : **6306801974521**

Option 2 ID : **6306801974522**

Option 3 ID : **6306801974523**

Option 4 ID : **6306801974524**

Status : **Answered**

Chosen Option : **1**

The purpose of the snubber capacitor in a Flyback Converter?

Switching frequency control

Voltage regulation

Ripple reduction

Energy storage

Question ID : **630680505237**

Option 1 ID : **6306801974480**

Option 2 ID : **6306801974479**

Option 3 ID : **6306801974478**

Option 4 ID : **6306801974477**

What is the purpose of the TTL (Time-to-Live) field in the IP header?

- indicate the version of IP
- prevent routing loops
- define the length of the packet
- specify the type of service

Question ID : 630680505233

Option 1 ID : 6306801974461

Option 2 ID : 6306801974464

Option 3 ID : 6306801974463

Option 4 ID : 6306801974462

Status : Answered

Chosen Option : 3

Which communication protocol is commonly used in SCADA systems for data exchange between components?

- Modbus
- FTP
- ITP
- odbus
- P

Question ID : 630680505208

Option 1 ID : 6306801974361

Option 2 ID : 6306801974362

Option 3 ID : 6306801974363

Option 4 ID : 6306801974364

Status : Answered

Chosen Option : 3

When implementing an open-loop control system for the operation of a conveyor belt to transport materials, what would be the primary concern in maintaining the speed of the conveyor belt using this type of control system?

- Predicting the time to reach the desired speed
- Adjusting the speed in response to load variations
- Ensuring consistent power supply to the motor
- Precision in setting the initial speed

Question ID : 630680505251

Option 1 ID : 6306801974535

Option 2 ID : 6306801974534

Option 3 ID : 6306801974536

Option 4 ID : 6306801974533

Status : Answered

Chosen Option : 2

the purpose of a redline on a tachometer?

- minimum speed limit
- maximum allowable speed
- normal cruising speed
- recommended speed range

Question ID : 630680505256

Option 1 ID : 6306801974554

Option 2 ID : 6306801974553

Option 3 ID : 6306801974555

Option 4 ID : 6306801974556

Status : Answered

Chosen Option : 2

the purpose of the Modbus CRC (Cyclic Redundancy Check)?

- ensure data integrity in Modbus messages
- specify the destination, address in Modbus communication
- encrypt Modbus messages
- compress Modbus messages

Question ID : 630680505209

Option 1 ID : 6306801974366

Option 2 ID : 6306801974368

Option 3 ID : 6306801974365

Option 4 ID : 6306801974367

Status : Answered

Chosen Option : 2

actuator is commonly used for controlling the movement of a door lock in IoT applications?

- hydraulic actuator
- hydraulic actuator
- hydraulic actuator
- hydraulic actuator

Question ID : 630680505197

Option 1 ID : 6306801974320

Option 2 ID : 6306801974319

Option 3 ID : 6306801974317

Option 4 ID : 6306801974318

Status : Answered

Chosen Option : 3

the purpose of predictive maintenance in automation?

maximize inefficiency

minimize downtime by predicting maintenance needs

increase equipment breakdowns

ignore maintenance requirements

Question ID : 630680505205
Option 1 ID : 6306801974352
Option 2 ID : 6306801974350
Option 3 ID : 6306801974349
Option 4 ID : 6306801974351
Status : Answered
Chosen Option : 2

A sine wave with divisions of 2 mm and a radius of 12 m has the sensitivity of about:

15
10
20

Question ID : 630680505221
Option 1 ID : 6306801974414
Option 2 ID : 6306801974415
Option 3 ID : 6306801974416
Option 4 ID : 6306801974413
Status : Answered
Chosen Option : 4

What is the primary consideration in the design of open-loop control systems?

feedback mechanism

system stability

disturbance rejection

input-output relationship

Question ID : 630680505252
Option 1 ID : 6306801974537
Option 2 ID : 6306801974538
Option 3 ID : 6306801974540
Option 4 ID : 6306801974539
Status : Answered
Chosen Option : 4

open loop system which has $G(S) = 20/S$. The output $y(t)$ for the unit step input $u(t)$ is equal to:

$u(t)$

$tu(t)$

$t^2u(t)$

)

Question ID : 630680505253

Option 1 ID : 6306801974541

Option 2 ID : 6306801974542

Option 3 ID : 6306801974543

Option 4 ID : 6306801974544

Status : Answered

Chosen Option : 1

Which of the Bathtub Curve is characterized by an increasing failure rate over time?

Constant failure

Infant mortality

Normal life

Wear-out

Question ID : 630680505220

Option 1 ID : 6306801974412

Option 2 ID : 6306801974409

Option 3 ID : 6306801974410

Option 4 ID : 6306801974411

Status : Answered

Chosen Option : 4

Which is the primary sensing mechanism of a surface plasmon resonance (SPR) sensor?

Change in electrical conductivity

Change in temperature

Change in mass

Change in refractive index

Question ID : 630680505225

Option 1 ID : 6306801974431

Option 2 ID : 6306801974432

Option 3 ID : 6306801974429

Option 4 ID : 6306801974430

Status : Answered

Chosen Option : 4

Which of the following communication technologies is commonly used in mobile phone transmitters?

- Pulse Code Modulation (PCM)
- Frequency Shift Keying (FSK)
- Code Division Multiple Access (CDMA)
- Phase Shift Keying (PSK)

Question ID : 630680505246
Option 1 ID : 6306801974516
Option 2 ID : 6306801974513
Option 3 ID : 6306801974515
Option 4 ID : 6306801974514
Status : **Answered**
Chosen Option : 3

Which of the following is associated with random failures that occur regardless of time in service?

- Constant failure
- Normal life
- Wear-out
- Infant mortality

Question ID : 630680505219
Option 1 ID : 6306801974408
Option 2 ID : 6306801974407
Option 3 ID : 6306801974406
Option 4 ID : 6306801974405
Status : **Answered**
Chosen Option : 2

What is the primary function of the Data Link Layer in the OSI Model?

- Logical addressing
- Flow control
- Error detection and correction
- Media access control and framing

Question ID : 630680505230
Option 1 ID : 6306801974450
Option 2 ID : 6306801974451
Option 3 ID : 6306801974449
Option 4 ID : 6306801974452
Status : **Answered**
Chosen Option : 4

you create a virtual environment in Python?

ate venv myenv

iv create myenv

thon -m venv myenv

tualenv myenv

Question ID : 630680505193

Option 1 ID : 6306801974304

Option 2 ID : 6306801974301

Option 3 ID : 6306801974302

Option 4 ID : 6306801974303

Status : Answered

Chosen Option : 2

the purpose of the bias term in a neural network?

reduce overfitting

introduce non-linearity

shift the decision boundary

initialize weights

Question ID : 630680505194

Option 1 ID : 6306801974305

Option 2 ID : 6306801974306

Option 3 ID : 6306801974308

Option 4 ID : 6306801974307

Status : Answered

Chosen Option : 4

g Bridge, what happens to the bridge current when the bridge is balanced?

becomes zero

eaches maximum

s equal to the excitation current

s independent of balance

Question ID : 630680505263

Option 1 ID : 6306801974581

Option 2 ID : 6306801974582

Option 3 ID : 6306801974584

Option 4 ID : 6306801974583

Status : Answered

Chosen Option : 1

How does a Schmitt trigger help in debouncing a mechanical switch?

- amplifying the switch signal
- providing a noise-immune output
- reducing power consumption
- introducing noise to the circuit

Question ID : 630680505267

Option 1 ID : 6306801974599

Option 2 ID : 6306801974597

Option 3 ID : 6306801974598

Option 4 ID : 6306801974600

Status : Answered

Chosen Option : 2

What is the purpose of the guard circuit in a Schering Bridge?

- compensate for temperature changes
- eliminate stray capacitance
- protect against over-voltage
- minimize bridge sensitivity

Question ID : 630680505264

Option 1 ID : 6306801974587

Option 2 ID : 6306801974588

Option 3 ID : 6306801974586

Option 4 ID : 6306801974585

Status : Answered

Chosen Option : 2

What is the purpose of the STC instruction in the 8085 microprocessor?

- swap Carry and Sign flags
- store in the Cache
- subtract Carry flag
- test Carry flag

Question ID : 630680505238

Option 1 ID : 6306801974483

Option 2 ID : 6306801974484

Option 3 ID : 6306801974482

Option 4 ID : 6306801974481

Status : Answered

Chosen Option : 3

structure is used to store an ordered, mutable collection of elements in Python?

st
:
ictionary
ple

Question ID : 630680505192
Option 1 ID : 6306801974298
Option 2 ID : 6306801974299
Option 3 ID : 6306801974300
Option 4 ID : 6306801974297
Status : **Answered**
Chosen Option : 4

if timer is used to delay an action for a specific amount of time after the timer is activated?

cumulating Timer
f-Delay Timer
t-Delay Timer
tentive Timer

Question ID : 630680505228
Option 1 ID : 6306801974444
Option 2 ID : 6306801974442
Option 3 ID : 6306801974441
Option 4 ID : 6306801974443
Status : **Answered**
Chosen Option : 3

what is the typical fan-out for standard TTL gates?

Question ID : 630680505273
Option 1 ID : 6306801974623
Option 2 ID : 6306801974622
Option 3 ID : 6306801974624
Option 4 ID : 6306801974621
Status : **Answered**
Chosen Option : 1

Industry is a tachometer frequently used for monitoring equipment?

- Automotive
- Healthcare
- Agriculture
- Construction

Question ID : 630680505257

Option 1 ID : 6306801974559

Option 2 ID : 6306801974558

Option 3 ID : 6306801974557

Option 4 ID : 6306801974560

Status : Answered

Chosen Option : 1

Bridge, how is the precision in measuring the capacitance of a high-voltage capacitor enhanced?

- Operating a guard ring to minimize errors due to leakage currents
- the application of a variable transformer in the circuit
- the use of a precision air-gap capacitor as a reference
- using a high-frequency excitation source

Question ID : 630680505265

Option 1 ID : 6306801974591

Option 2 ID : 6306801974590

Option 3 ID : 6306801974592

Option 4 ID : 6306801974589

Status : Answered

Chosen Option : 1

pe of modulation is commonly used in Bluetooth transmitters?

- Frequency Modulation (FM)
- Frequency Shift Keying (FSK)
- Phase Shift Keying (PSK)
- Amplitude Shift Keying (ASK)

Question ID : 630680505243

Option 1 ID : 6306801974504

Option 2 ID : 6306801974501

Option 3 ID : 6306801974503

Option 4 ID : 6306801974502

Status : Answered

What is the purpose of the RLC instruction in the 8085 microprocessor?

Reset and Load Content

Reset Logic and Control

Reset L and C registers

Reset Accumulator Left through Carry

Question ID : 630680505239

Option 1 ID : 6306801974488

Option 2 ID : 6306801974487

Option 3 ID : 6306801974486

Option 4 ID : 6306801974485

Status : Answered

Chosen Option : 4

Which flag is reset to 0 by the ANA instruction in the 8085 microprocessors regardless of the operation's outcome.?

Zero flag

Parity flag

Sign flag

Carry flag

Question ID : 630680505240

Option 1 ID : 6306801974490

Option 2 ID : 6306801974492

Option 3 ID : 6306801974489

Option 4 ID : 6306801974491

Status : Answered

Chosen Option : 3

What is the purpose of the 'range()' function in Python?

Generate a sequence of numbers

Round a floating-point number

Find the square root

Calculate the factorial

Question ID : 630680505191

Option 1 ID : 6306801974293

Option 2 ID : 6306801974295

Option 3 ID : 6306801974296

Option 4 ID : 6306801974294

Status : Answered

Chosen Option : 1

Which actuator is commonly used for controlling the movement of a robotic joint in IoT applications?

- Electric actuator
- Piezoelectric actuator
- Hydraulic actuator
- Pneumatic actuator

Question ID : 630680505198
Option 1 ID : 6306801974322
Option 2 ID : 6306801974324
Option 3 ID : 6306801974323
Option 4 ID : 6306801974321

Status : Answered

Chosen Option : 4

What is the primary role of a controller in an open-loop system?

- Adjust the input based on the output
- Compare the output with the reference input
- Provide a constant input
- Measure the output

Question ID : 630680505250
Option 1 ID : 6306801974531
Option 2 ID : 6306801974530
Option 3 ID : 6306801974532
Option 4 ID : 6306801974529

Status : Answered

Chosen Option : 1

Which characteristic best describes the ability of a Schmitt trigger to have two different threshold levels?

- Hysteresis
- Linearity
- Stability
- Dynamic range

Question ID : 630680505266
Option 1 ID : 6306801974594
Option 2 ID : 6306801974595
Option 3 ID : 6306801974593
Option 4 ID : 6306801974596

Status : Answered

Chosen Option : 1

the primary function of SCADA systems in automation?

- website development
- employee attendance tracking
- inventory management
- real-time monitoring and control

Question ID : 630680505207

Option 1 ID : 6306801974358

Option 2 ID : 6306801974359

Option 3 ID : 6306801974357

Option 4 ID : 6306801974360

Status : **Answered**

Chosen Option : 4

the purpose of a pneumatic actuator in process control?

- generate alarms
- measure pressure
- control flow by adjusting the valve opening
- transmit data wirelessly

Question ID : 630680505211

Option 1 ID : 6306801974376

Option 2 ID : 6306801974375

Option 3 ID : 6306801974374

Option 4 ID : 6306801974373

Status : **Answered**

Chosen Option : 3

the primary function of the Presentation Layer in the OSI Model?

- error detection and correction
- data compression and encryption
- logical addressing
- flow control

Question ID : 630680505231

Option 1 ID : 6306801974453

Option 2 ID : 6306801974454

Option 3 ID : 6306801974456

Option 4 ID : 6306801974455

Status : **Answered**

Chosen Option : 2

is the role of the input capacitor a Schmitt trigger circuit,?

provide negative feedback

block DC components

filter high-frequency noise

store energy

Question ID : 630680505270

Option 1 ID : 6306801974611

Option 2 ID : 6306801974612

Option 3 ID : 6306801974609

Option 4 ID : 6306801974610

Status : Answered

Chosen Option : 3

of Power MOSFET is known for its high breakdown voltage and ruggedness?

nch MOSFET

AMOS

AMOS

DMOS

Question ID : 630680505234

Option 1 ID : 6306801974468

Option 2 ID : 6306801974467

Option 3 ID : 6306801974466

Option 4 ID : 6306801974465

Status : Answered

Chosen Option : 1

ology is commonly used for implementing the fixed OR array in modern PAL devices?

ish memory

polar

AMOS

tifuse

Question ID : 630680505274

Option 1 ID : 6306801974628

Option 2 ID : 6306801974627

Option 3 ID : 6306801974625

Option 4 ID : 6306801974626

Status : Answered

Chosen Option : 3

What is the primary function of the Session Layer in the OSI Model?

Logical addressing

Establishing, maintaining, and terminating sessions

Compression and decompression

Data encryption

Question ID : 630680505232

Option 1 ID : 6306801974460

Option 2 ID : 6306801974458

Option 3 ID : 6306801974457

Option 4 ID : 6306801974459

Status : Answered

Chosen Option : 2

Which computing technique is inspired by the process of natural selection?

Neural Networks

Ant Colony Optimization

Fuzzy Logic

Genetic Algorithms

Question ID : 630680505195

Option 1 ID : 6306801974310

Option 2 ID : 6306801974312

Option 3 ID : 6306801974309

Option 4 ID : 6306801974311

Status : Answered

Chosen Option : 1

What is the main goal of unsupervised learning?

Classification

Regression

Reinforcement

Clustering

Question ID : 630680505196

Option 1 ID : 6306801974313

Option 2 ID : 6306801974314

Option 3 ID : 6306801974316

Option 4 ID : 6306801974315

Status : Answered

Chosen Option : 2

horizontal distance of a point from the instrument, if the staff intercept is 1.6 m. The micrometer reading of the drum of 4.0 and the micrometer screw has 100 threads in 1 cm. The focal length of the objective glass is 300 mm and the instrument axis from the centre of the object glass is 150 mm.

54.7

55.7

00.5

7.6

Question ID : 630680505260

Option 1 ID : 6306801974572

Option 2 ID : 6306801974570

Option 3 ID : 6306801974571

Option 4 ID : 6306801974569

Status : Answered

Chosen Option : 4

the role of robotics in the automation of warehouse operations?

Automate order fulfillment and inventory management

Promote inefficiency

Increase manual labor

Slow down processes

Question ID : 630680505204

Option 1 ID : 6306801974347

Option 2 ID : 6306801974348

Option 3 ID : 6306801974346

Option 4 ID : 6306801974345

Status : Answered

Chosen Option : 1

Further, what is the relationship between the hysteresis width and the positive feedback resistor value?

Inversely proportional

Directly proportional

Exponential

No relationship

Question ID : 630680505268

Option 1 ID : 6306801974604

Option 2 ID : 6306801974603

Option 3 ID : 6306801974602

Option 4 ID : 6306801974601

Status : Answered

Chosen Option : 1

Which of the following vehicle components is often connected to a tachometer in automobiles?

- fuel tank
- transmission
- steering wheel
- brake system

Question ID : 630680505259
Option 1 ID : 6306801974567
Option 2 ID : 6306801974566
Option 3 ID : 6306801974568
Option 4 ID : 6306801974565
Status : Answered
Chosen Option : 3

Which of the following devices is a tachometer?

- temperature sensor
- speedometer
- pressure gauge
- rotation measuring device

Question ID : 630680505255
Option 1 ID : 6306801974551
Option 2 ID : 6306801974550
Option 3 ID : 6306801974549
Option 4 ID : 6306801974552
Status : Answered
Chosen Option : 4

In which layer does the TCP protocol operate in the OSI Model?

- Data Link Layer
- Session Layer
- Network Layer
- Transport Layer

Question ID : 630680505229
Option 1 ID : 6306801974445
Option 2 ID : 6306801974448
Option 3 ID : 6306801974446
Option 4 ID : 6306801974447
Status : Answered
Chosen Option : 4

8085 microprocessor, what is the function of the SHLD instruction?

- Option 1: Swap H and L Direct
- Option 2: Subtract H and L Direct
- Option 3: Shift Accumulator Left Double
- Option 4: Store H and L Direct

Question ID : 630680505241
Option 1 ID : 6306801974496
Option 2 ID : 6306801974495
Option 3 ID : 6306801974493
Option 4 ID : 6306801974494
Status : Answered
Chosen Option : 4

In a Schering Bridge, what is commonly used as a standard reference?

- Option 1: A capacitor
- Option 2: A standard resistor
- Option 3: A variable transformer
- Option 4: A precision inductor

Question ID : 630680505262
Option 1 ID : 6306801974578
Option 2 ID : 6306801974577
Option 3 ID : 6306801974580
Option 4 ID : 6306801974579
Status : Answered
Chosen Option : 2

In a PLC, what is the function code for writing multiple coils?

- Option 1: Function Code 16
- Option 2: Function Code 15
- Option 3: Function Code 05
- Option 4: Function Code 06

Question ID : 630680505210
Option 1 ID : 6306801974372
Option 2 ID : 6306801974371
Option 3 ID : 6306801974369
Option 4 ID : 6306801974370
Status : Answered
Chosen Option : 4

the role of the internal standard in Flame Photometry?

- librate the instrument
- onitor instrument drift
- bilize the flame
- hance sensitivity

Question ID : 630680505227
Option 1 ID : 6306801974437
Option 2 ID : 6306801974439
Option 3 ID : 6306801974438
Option 4 ID : 6306801974440
Status : **Answered**
Chosen Option : 3

Which types of sensors used in breathalyzers operates on the principle of change in resistance of semiconductor in alcohol gases.

- Resistive Sensors
- Electrochemical fuel cell sensors
- Infrared Optical Sensors
- Semiconductor oxide sensors

Question ID : 630680505223
Option 1 ID : 6306801974424
Option 2 ID : 6306801974422
Option 3 ID : 6306801974421
Option 4 ID : 6306801974423
Status : **Answered**
Chosen Option : 2

What did Henry Ford play in the history of automation?

- Reduced assembly line production
- Developed the steam engine
- Reversed handcrafted manufacturing
- Invented the computer

Question ID : 630680505206
Option 1 ID : 6306801974354
Option 2 ID : 6306801974355
Option 3 ID : 6306801974356
Option 4 ID : 6306801974353
Status : **Answered**
Chosen Option : 2

Process is used to manufacture enhancement-mode GaN transistors?

dry etching

Physical Vapor Deposition (PVD)

Photolithography

Metal Organic Chemical Vapor Deposition (MOCVD)

Question ID : 630680505235

Option 1 ID : 6306801974469

Option 2 ID : 6306801974472

Option 3 ID : 6306801974471

Option 4 ID : 6306801974470

Status : Answered

Chosen Option : 2

What does the term "local minimum" refer to in optimization?

A solution that is only optimal in a small region

The smallest value of a function

The maximum value of a function

A solution that is optimal globally

Question ID : 630680505217

Option 1 ID : 6306801974399

Option 2 ID : 6306801974397

Option 3 ID : 6306801974400

Option 4 ID : 6306801974398

Status : Answered

Chosen Option : 1

What is the primary purpose of the fixed OR array in PAL devices?

It implements combinational logic

It facilitates programming

It implements sequential logic

It stores configuration data

Question ID : 630680505275

Option 1 ID : 6306801974631

Option 2 ID : 6306801974630

Option 3 ID : 6306801974629

Option 4 ID : 6306801974632

Status : Answered

Chosen Option : 1

Which is a common method for solving linear programming problems?

- Simplex method
- Simulated annealing
- Genetic algorithm
- Particle swarm optimization

Question ID : 630680505216

Option 1 ID : 6306801974394

Option 2 ID : 6306801974396

Option 3 ID : 6306801974393

Option 4 ID : 6306801974395

Status : Answered

Chosen Option : 1

Which sensor is commonly used for detecting magnetic fields in IoT applications?

- Fluxmeter
- Hall effect sensor
- Infrared sensor
- Thermocouple

Question ID : 630680505199

Option 1 ID : 6306801974328

Option 2 ID : 6306801974327

Option 3 ID : 6306801974326

Option 4 ID : 6306801974325

Status : Answered

Chosen Option : 2

Which parameter is responsible for determining the rate of change of output voltage in response to a change in input voltage?

- Gain
- Bandwidth
- Roll-off rate
- Dynamic range

Question ID : 630680505269

Option 1 ID : 6306801974606

Option 2 ID : 6306801974608

Option 3 ID : 6306801974605

Option 4 ID : 6306801974607

Status : Answered

Chosen Option : 1

of the accumulator is 8-bit signed binary, what is the range of values it can represent?

- 0 to 255
- 127 to 128
- 128 to 127
- 126 to 255

Question ID : 630680505242
Option 1 ID : 6306801974498
Option 2 ID : 6306801974500
Option 3 ID : 6306801974497
Option 4 ID : 6306801974499
Status : Answered
Chosen Option : 4

transmits a total power of 3.06 Watts of 20% AM signal. How much power is contained in each of the sidebands?

- 0.6 Watts
- 0.9 Watts
- 0.7 Watts
- 0.3 Watts

Question ID : 630680505247
Option 1 ID : 6306801974520
Option 2 ID : 6306801974519
Option 3 ID : 6306801974517
Option 4 ID : 6306801974518
Status : Answered
Chosen Option : 2

document outlines the project's scope, objectives, and constraints?

- Work Management Plan
- Project Charter
- Quality Assurance Plan
- Stakeholder Analysis

Question ID : 630680505202
Option 1 ID : 6306801974338
Option 2 ID : 6306801974337
Option 3 ID : 6306801974340
Option 4 ID : 6306801974339
Status : Answered
Chosen Option : 2

When a stem movement at full travel of 20 mm mounted with a control valve having an equal percentage plug and with a flow rate of 2 m³/s and maximum flow rate of 12 m³/s. When the stem movement is 10 mm, the flow rate will be:

10 m³/s

6 m³/s

4 m³/s

20 m³/s

Question ID : 630680505200

Option 1 ID : 6306801974331

Option 2 ID : 6306801974329

Option 3 ID : 6306801974330

Option 4 ID : 6306801974332

Status : Answered

Chosen Option : 2

Which component in a transmitter is responsible for shaping the signal spectrum?

Filter

Oscillator

Modulator

Antenna

Question ID : 630680505245

Option 1 ID : 6306801974511

Option 2 ID : 6306801974510

Option 3 ID : 6306801974509

Option 4 ID : 6306801974512

Status : Answered

Chosen Option : 1

Which of the following is a typical output signal of a pressure transmitter?

Flow rate

Current

Temperature

Voltage

Question ID : 630680505212

Option 1 ID : 6306801974379

Option 2 ID : 6306801974380

Option 3 ID : 6306801974378

Option 4 ID : 6306801974377

Status : Answered

Chosen Option : 1

Which of optimization problem is Lagrange Multiplier method most suitable for?

- quadratic programming
- constrained optimization
- quality-constrained optimization
- quality-constrained optimization

Question ID : 630680505218

Option 1 ID : 6306801974402

Option 2 ID : 6306801974401

Option 3 ID : 6306801974403

Option 4 ID : 6306801974404

Status : Answered

Chosen Option : 4

What is the purpose of a proximity sensor in process control?

- detect the presence or absence of an object
- generate reports
- control actuators
- measure pressure

Question ID : 630680505213

Option 1 ID : 6306801974383

Option 2 ID : 6306801974384

Option 3 ID : 6306801974382

Option 4 ID : 6306801974381

Status : Answered

Chosen Option : 1

What is the primary function of a chart recorder in process instrumentation?

- store surplus energy
- control pressure fluctuations
- capture and display historical process data
- control actuators

Question ID : 630680505214

Option 1 ID : 6306801974386

Option 2 ID : 6306801974388

Option 3 ID : 6306801974387

Option 4 ID : 6306801974385

Status : Answered

Chosen Option : 2

es, what is the typical value of input voltage for a high logic level (V_{IH})?

- 0 V
- 1 V
- 2 V
- 3 V

Question ID : 630680505271
Option 1 ID : 6306801974615
Option 2 ID : 6306801974616
Option 3 ID : 6306801974613
Option 4 ID : 6306801974614
Status : Answered
Chosen Option : 3

he role of a centrifugal governor in a mechanical tachometer?

- enerate centrifugal force
- ontrol temperature
- asure atmospheric pressure
- regulate rotational speed

Question ID : 630680505258
Option 1 ID : 6306801974561
Option 2 ID : 6306801974564
Option 3 ID : 6306801974563
Option 4 ID : 6306801974562
Status : Answered
Chosen Option : 1

r unit is expected to run continuously. The mean time between failure (MTBF) for this unit is 3,000 hours and the air (MTR) is 24 hours. The availability of the air conditioning unit is (up to three decimal places).

- 89
- 76
- 45
- 92

Question ID : 630680505222
Option 1 ID : 6306801974417
Option 2 ID : 6306801974419
Option 3 ID : 6306801974418
Option 4 ID : 6306801974420
Status : Answered
Chosen Option : 4

primary advantage of using a quartz crystal microbalance (QCM) sensor?

- low response time
- low sensitivity to temperature changes
- high sensitivity to specific gases
- expensive

Question ID : 630680505224

Option 1 ID : 6306801974427

Option 2 ID : 6306801974426

Option 3 ID : 6306801974425

Option 4 ID : 6306801974428

Status : Answered

Chosen Option : 3

does EDMI play in promoting sustainability in energy management?

- has no impact on sustainability
- limiting data visibility
- increasing energy consumption
- promoting energy conservation

Question ID : 630680505261

Option 1 ID : 6306801974573

Option 2 ID : 6306801974576

Option 3 ID : 6306801974574

Option 4 ID : 6306801974575

Status : Answered

Chosen Option : 2

the purpose of a watchdog timer in a DCS system?

control the temperature of the control room

monitor the system's health and initiate corrective actions in case of a failure

count the number of operator actions

regulate communication between field devices

Question ID : 630680505215

Option 1 ID : 6306801974392

Option 2 ID : 6306801974390

Option 3 ID : 6306801974389

Option 4 ID : 6306801974391

Status : Answered

Chosen Option : 3

scope definition important in project management?

- establishes project timelines
- helps in cutting costs
- clarifies project boundaries and deliverables
- reduces team workload

Question ID : 630680505201
Option 1 ID : 6306801974334
Option 2 ID : 6306801974333
Option 3 ID : 6306801974335
Option 4 ID : 6306801974336
Status : Answered
Chosen Option : 3

the primary characteristic of an open-loop control system?

- feedback is used
- no feedback is used
- either feedback or feedforward is used
- both feedback and feedforward are used

Question ID : 630680505249
Option 1 ID : 6306801974525
Option 2 ID : 6306801974526
Option 3 ID : 6306801974528
Option 4 ID : 6306801974527
Status : Answered
Chosen Option : 2

transmitters essential in the field of home automation?

- receive TV signals
- encrypt Wi-Fi signals
- control household appliances
- monitor energy consumption

Question ID : 630680505244
Option 1 ID : 6306801974505
Option 2 ID : 6306801974507
Option 3 ID : 6306801974508
Option 4 ID : 6306801974506
Status : Answered
Chosen Option : 4

ment is commonly used as an internal standard in Flame Photometry?

- dium
- lcium
- thium
- tassium

Question ID : 630680505226
Option 1 ID : 6306801974434
Option 2 ID : 6306801974436
Option 3 ID : 6306801974433
Option 4 ID : 6306801974435
Status : **Answered**
Chosen Option : 3

open loop DC gain if the closed loop transfer function is $(6s+2)/(6s^2+8s+8)$ with unity feedback factor.

- 3
- 3
- 6

Question ID : 630680505254
Option 1 ID : 6306801974546
Option 2 ID : 6306801974547
Option 3 ID : 6306801974548
Option 4 ID : 6306801974545
Status : **Answered**
Chosen Option : 2

the significance of the "body effect" in Power MOSFETs?

- influences the threshold voltage
- terminates the gate-source voltage
- enhances thermal stability
- affects the drain-source voltage

Question ID : 630680505236
Option 1 ID : 6306801974475
Option 2 ID : 6306801974473
Option 3 ID : 6306801974476
Option 4 ID : 6306801974474
Status : **Answered**
Chosen Option : 2

What does the acronym RACI stand for in the context of project management documents?

Resource Allocation and Cost Integration

Responsible, Accountable, Consulted, Informed

Requirements Analysis and Change Implementation

Risk Assessment and Control Information

Question ID : 630680505203

Option 1 ID : 6306801974342

Option 2 ID : 6306801974344

Option 3 ID : 6306801974343

Option 4 ID : 6306801974341

Status : Answered

Chosen Option : 4

What is the purpose of a pull-up resistor?

Improve noise immunity

Increase fan-out

Reduce power consumption

Prevent signal biasing

Question ID : 630680505272

Option 1 ID : 6306801974619

Option 2 ID : 6306801974617

Option 3 ID : 6306801974620

Option 4 ID : 6306801974618

Status : Answered

Chosen Option : 4

Adda247