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Language

the sentence contains an error?
Did you write in your diary that day?

you write

his name

that day?

in your diary

Question ID : 50389010800

Status : Answered

Chosen Option : 2

Most appropriate option to complete the sentence.
I had _____ problems for a while and enjoy _____.

myself

me, ourselves

us, yourselves

ourselves

Question ID : 50389010790

Status : Answered

Chosen Option : 4

Most appropriate option to complete the sentence.
My parents have faith _____ your parents as they know what is best for you.

like

as

for

with

Most appropriate option to complete the sentence.
 He announced that fund-raising was _____ voluntary task.

- completely
- mandatory
- voluntary
- compulsory

Question ID : 50389010791
 Status : **Marked For Review**
 Chosen Option : 1

Most appropriate option to complete the sentence.
 He quit flying because he _____ to be a pilot before he retired.

- was using
- had used

Question ID : 50389010789
 Status : **Answered**
 Chosen Option : 4

Most appropriate antonym of-

- incompatible
- complementary
- complementary
- complementary

Question ID : 50389010794
 Status : **Answered**
 Chosen Option : 1

Most misspelt word.

- Knowledge
- Maintain
- Marium
- Shire

Question ID : 50389010797
 Status : **Answered**
 Chosen Option : 2

entence which is grammatically correct.

me that pot soup of hot

me that hot of pot soup

me hot that pot of soup

me that pot of hot soup

Question ID : 50389010801
Status : Answered
Chosen Option : 4

ction can be used for this sentence?
erous interviews, _____ none of the companies offered you a job.

ss

ugh

Question ID : 50389010787
Status : Answered
Chosen Option : 4

st appropriate option to complete the sentence.
are even _____ than this.

ler

st

se



Question ID : 50389010788
Status : Answered
Chosen Option : 2

orrect preposition.
ething strange and exciting _____ this man.

ss

it

Question ID : 50389010785
Status : Answered
Chosen Option : 4

word which can be used in place of the words underlined.
He sent her a poem which was written by an unknown author.

renowned

anonymous

obscure

unanimous

Question ID : 50389010795
Status : Answered
Chosen Option : 3

Which word in the sentence contains an error?
The watch is 10 minutes past 10 in my watch.

minutes

10

only

my watch

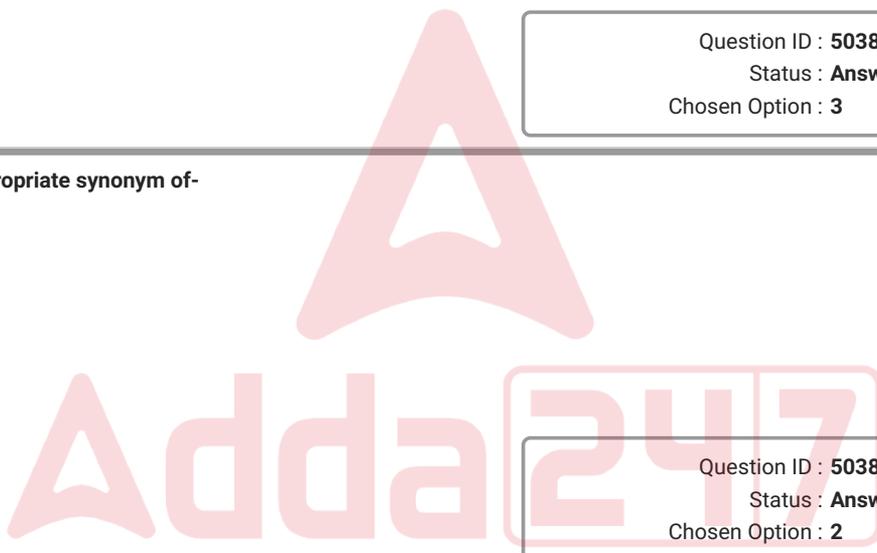
Question ID : 50389010799
Status : Answered
Chosen Option : 3

Choose the most appropriate synonym of-

elusive

obscure

elusive



Question ID : 50389010793
Status : Answered
Chosen Option : 2

Choose the word which is misspelt.

abundant

abundant

abundant

abundant

Question ID : 50389010796
Status : Marked For Review
Chosen Option : 4

appropriate word to complete the phrase.
ice in my 12th Board exams was a let-___ for my parents.

1

Question ID : 50389010798
Status : Answered
Chosen Option : 3

: appropriate synonym of-

generate

act

effect

error

Question ID : 50389010792
Status : Answered
Chosen Option : 2

the Aptitude

It has been developed around a circular park. Inner and outer circumferences of the path are 330 m and 440 m respectively. Find the width of the path (in m).

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Question ID : 50389010829
Status : Answered
Chosen Option : 3

A is 25% more efficient than B and can complete a work in 5 days. In how many days will B complete the same work?

M exceeds 40% of $\frac{M}{2}$ by 300. Find M.

Question ID : 50389010812
 Status : Answered
 Chosen Option : 3

the following expression.

(3) $\div 2.05 + 2.05$

5
 1
 05
 1.5

Question ID : 50389010806
 Status : Answered
 Chosen Option : 3

score of some students in an examination is 156. The ratio of the number of girls is 15:6. The average score of girls is 25% less than that of the boys. What is the average score of the girls in the class?

5
 2
 8

Question ID : 50389010823
 Status : Answered
 Chosen Option : 3

of Rice are available in the market at Rs. 45 per kg and Rs. 52 per kg. In what ratio should these be mixed to have the cost Rs. 49 per kg?

Question ID : 50389010822

verage of 4 smallest prime numbers and 7 smallest odd natural numbers?

Question ID : 50389010822
Status : **Marked For Review**
Chosen Option : 2

the following.

$$\bar{6} + 0.0\bar{26}$$

$\bar{5}$

Question ID : 50389010803
Status : **Answered**
Chosen Option : 3

interest on a certain sum of money at 5% per annum for 3 years is Rs. 1891.50,
simple interest (in Rs.) on the same sum for the same period at the same rate.

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Question ID : 50389010826
Status : **Answered**
Chosen Option : 4

ree numbers is 245. Second number is 4 times the first number and the third
ss than 5 times the first number. What is the greatest number?

the following expression.

$$\sqrt{16^2 \sqrt{32^{16}}}$$

- |
- |
- |

Question ID : 50389010805
Status : Answered
Chosen Option : 4

polynomials $(x + 2)(3x^2 - 2ax + 3)$ and $(2x - 1)(5x^2 - 3x + 2b)$ is $(x + 2)(2x - 1)$, then find the

Question ID : 50389010834
Status : Answered
Chosen Option : 3

atural number must be added to 16632 to make it a perfect square?



Question ID : 50389010802
Status : Answered
Chosen Option : 3

of a cylinder is 14 cm. If curved surface area of the cylinder is three-fifth of the total surface area, then

volume (in cu. cm) of the cylinder? (Use $\pi = \frac{22}{7}$)

- |0
- |6
- |8
- |

Question ID : 50389010828

If the side of a square is increased by 4 cm, its area increases by 112 sq. cm, then what is the side of the original square?

Question ID : 50389010827
Status : Answered
Chosen Option : 1

If the hypotenuse of a right angled triangle is 1 cm more than 4 times the shortest side. If third side is less than 4 times the shortest side, then what will be the length of the hypotenuse (in cm)?

Question ID : 50389010833
Status : Answered
Chosen Option : 3

Money invested on compound interest amounts to Rs. 50000 after 2 years and to Rs. 78125 after 4 years. What is the sum (in Rs.)?

- 10
- 10
- 10
- 10

Question ID : 50389010825
Status : Answered
Chosen Option : 3

Find the sum of the reciprocals of

$\frac{1}{3}, 1\frac{1}{5}, 4\frac{2}{7}, 9$ from 5.

- $\frac{1}{5}$
- $\frac{11}{45}$
- $\frac{2}{5}$

What is the value of k in the following expression?

$$\frac{0.3}{k} = \frac{0.25 \times k}{0.9 \times 0.03 \times 13}$$

- 6
- 44
- 2
- 4

Question ID : 50389010807
Status : Answered
Chosen Option : 2

The price of an item is 25% less than the marked price. At how much percentage above the marked price has the item been marked?

- 1
- 3

Question ID : 50389010820
Status : Answered
Chosen Option : 4

An article is sold at a profit of 20%. If he had bought the article at 10% less and sold at the same price, what would have been his profit percentage?

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Question ID : 50389010821
Status : Answered
Chosen Option : 4

A train moving at a speed of 90 km/h passes an electric pole in 15 seconds. Find the time (in seconds) to cross a bridge of length 800 m.

Three numbers. The second number is less than the first number and 20% more than the first number. If the first number is $k\%$ of the third number, then find the value of k .

$$0\frac{1}{2}$$

$$\frac{5}{9}$$

Question ID : 50389010813
Status : Answered
Chosen Option : 3

A man can row a certain distance downstream in three-fourth of the time he takes to row the same distance upstream. If the speed of the current is 2 km/h, then find the speed of the boat in still water (in km/h).

Question ID : 50389010814
Status : Answered
Chosen Option : 3

Two 2-digit numbers differ by 5. If the number obtained by interchanging the digits is 7 times the original number, then what is the sum of the digits of the original number?

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Question ID : 50389010832
Status : Answered
Chosen Option : 1

The average of 24 numbers is 36. The average of 15 of these numbers is 33 and that of the remaining 9 numbers is 37. What is the average of the remaining three numbers?

Question ID : 50389010824

o a work in 12 and 20 days respectively. They work together for 5 days and k. Then C took up the work and finished the remaining work in 3 days. In how n C complete the whole work?

Question ID : 50389010819
Status : Answered
Chosen Option : 1

aces of length 1.5 m can be cut from a roll of 45 m ribbon?

Question ID : 50389010811
Status : Answered
Chosen Option : 2

umbers is 81. Their LCM is 20 times their HCF. If their HCF is 9, then what is mber?

Question ID : 50389010804
Status : Answered
Chosen Option : 4

:C = 4:5, C:D = 3:4 and A + D = 49, then find B.

Question ID : 50389010810
Status : Answered
Chosen Option : 3

km downstream and 30 km upstream in 6 hours. He can also row 35 km and 45 km upstream in 7 hours. How much time will he take to row 32 km and 35 km upstream if speed of the boat in still water as well as the speed of r both increase by 1 km/h each?

0 m

5 m

8 m

0 m

Question ID : 50389010816

Status : Answered

Chosen Option : 3

nd B can fill a tank in 2 hours and 3 hours respectively. Both the pipes are her but after 30 minutes, pipe A is turned off. What is the total time required to

0 m

.5 m

.5 m

5 m

Question ID : 50389010818

Status : Answered

Chosen Option : 4

le shows the earning (in Rs 1000) of 5 persons A, B, C, D and E over the earned maximum over the 5 years?

March	April	May	June	July
24.2	25.5	25.8	26	26.5
23.5	24.2	25.5	27	26.8
25.5	24.8	26.5	24	28.2
24.3	24.7	25.2	27	28.8
25	26.9	27.6	27.5	26.2

d E

Question ID : 50389010835

Status : Answered

Chosen Option : 3

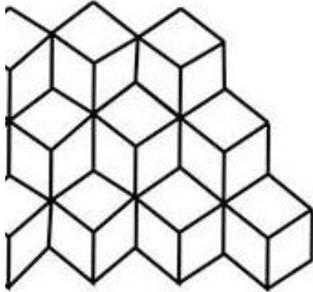
If diagonals of a Rhombus are 8 cm and 15 cm. Find the distance between any sides of the rhombus (in cm).

- 7
- 2

Question ID : 50389010830
 Status : Answered
 Chosen Option : 4

Potential Test

shown in the question figure is arranged using cubes only. What is the total cubes in the 3-D figure given below?



Question ID : 50389010864
 Status : Answered
 Chosen Option : 4

tion that is related to the third term in the same way as the second term is first term.
 ?

Question ID : 50389010837
 Status : Answered

Sandeep and Nandlal are brothers. Veena is Nandlal's only daughter, Sayli's mother. Juhi, is Veena's only daughter-in-law. How is Sayli related to Sandeep?

- Sister
- Daughter
- Daughter-in-law
- Mother

Question ID : 50389010850
Status : Answered
Chosen Option : 2

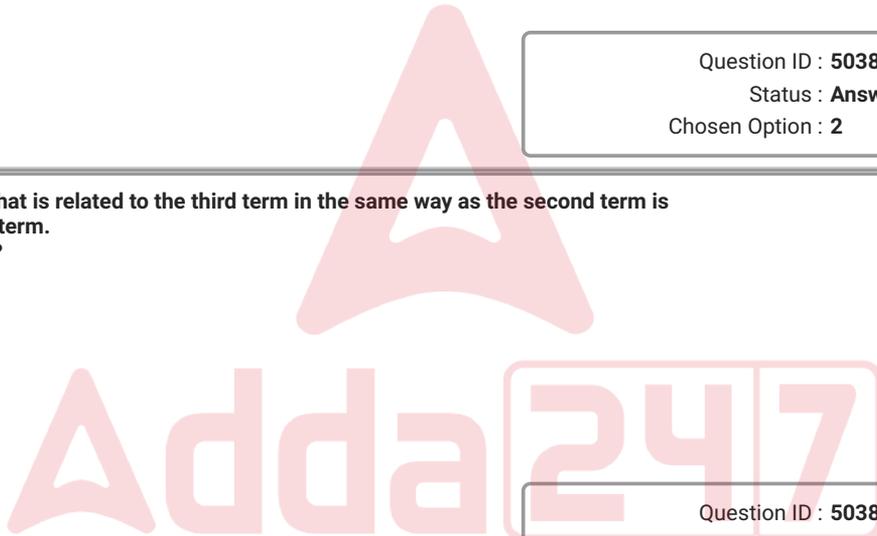
Analogy: Minister is related to the first term in the same way as the second term is related to the third term. Governor : Union Government : ?

- Prime Minister
- Chancellor
- President
- Speaker

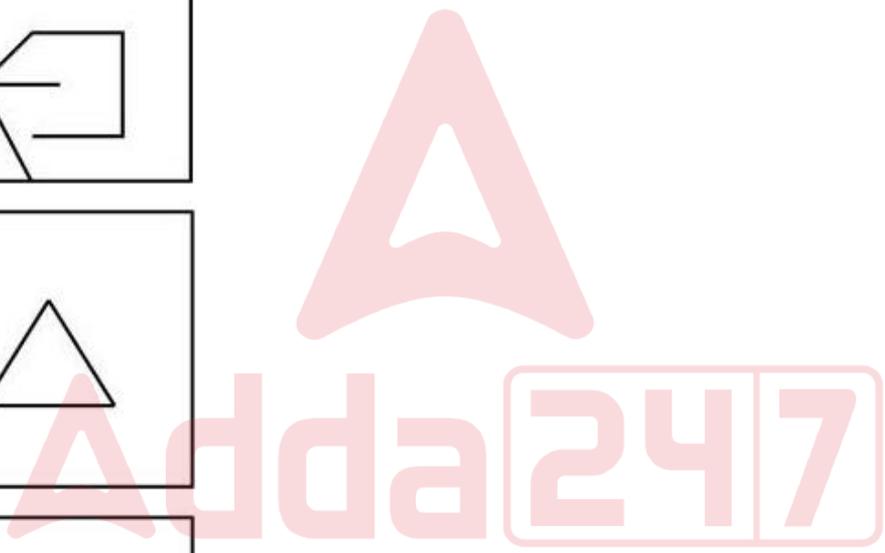
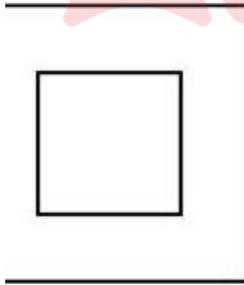
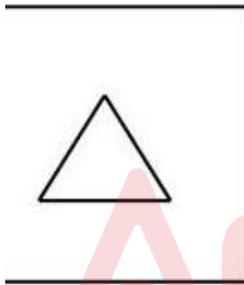
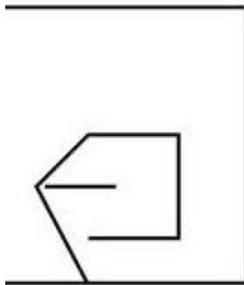
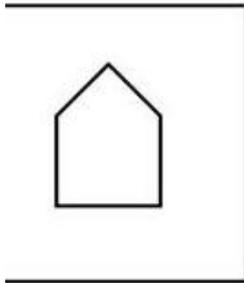
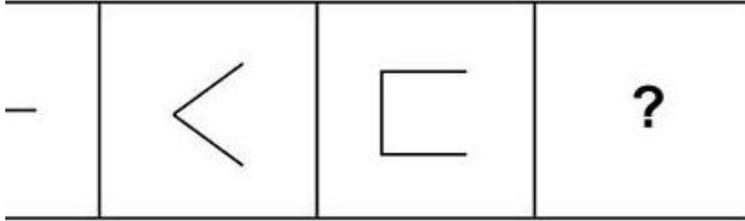
Question ID : 50389010839
Status : Answered
Chosen Option : 2

Analogy: President is related to the first term in the same way as the second term is related to the third term. 16 : ?

Question ID : 50389010840
Status : Answered
Chosen Option : 2

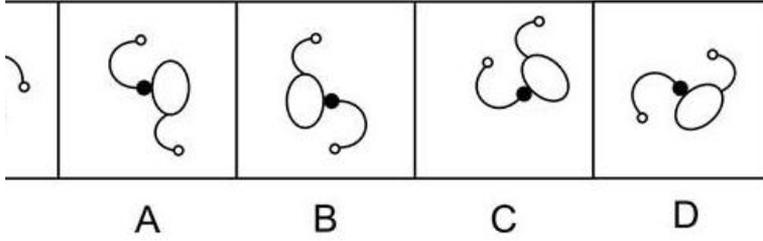


tion that will replace the question mark and complete the series correctly.



Question ID : 50389010867
Status : Answered
Chosen Option : 4

the four figures – A, B, C and D are different from the question figure Q.
tion that has a figure similar to figure Q.



Question ID : 50389010869
Status : Answered
Chosen Option : 3

number that will come next in the number series.
1, 35, ?

Question ID : 50389010856
Status : Answered
Chosen Option : 3

difference between the greatest and smallest 3-digit prime numbers?

Question ID : 50389010860
Status : Answered
Chosen Option : 2

is the only daughter-in-law of G. G's husband R has two children, V and W. How
is K?

dfather

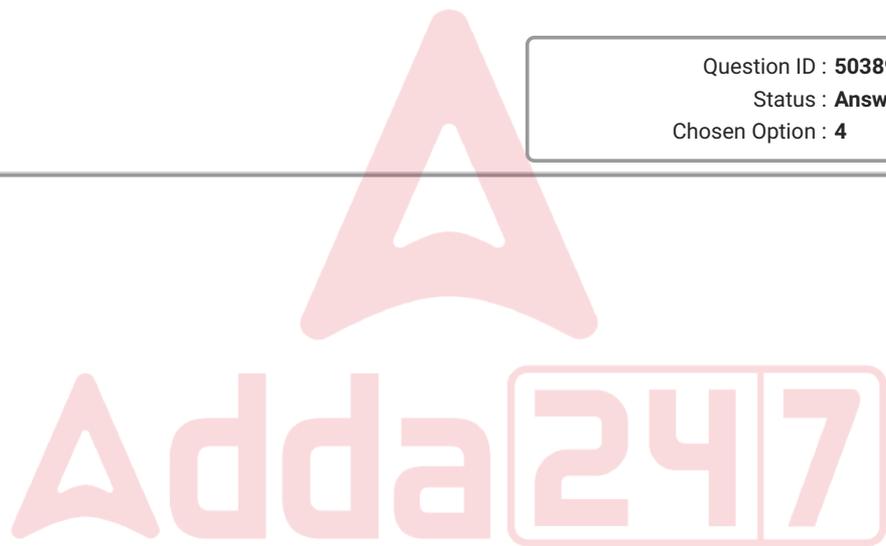
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Number that will come next in the number series.
1, 91, ?

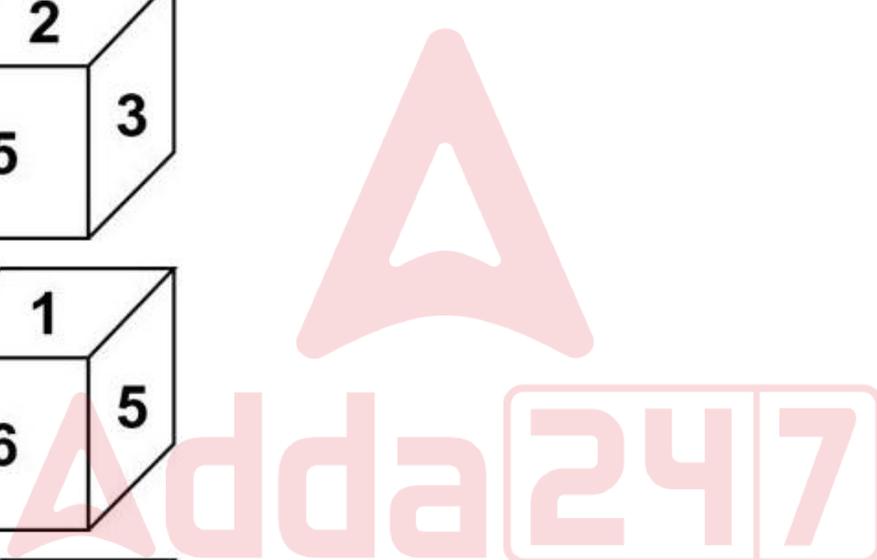
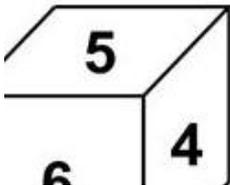
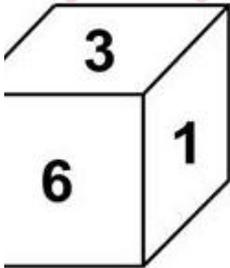
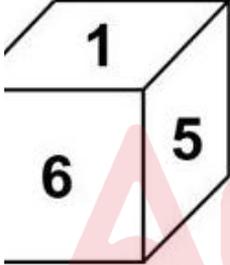
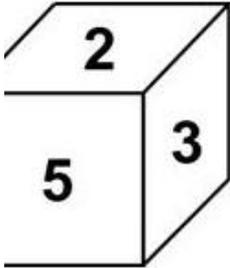
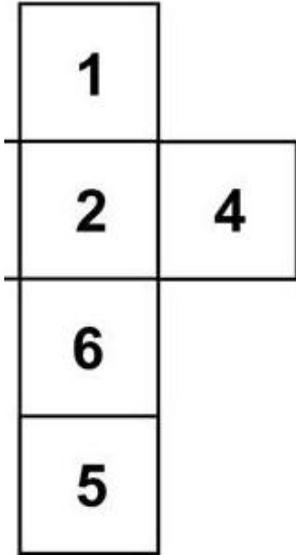
Question ID : 50389010857
Status : Answered
Chosen Option : 2

Number that will come next in the number series.

Question ID : 50389010854
Status : Answered
Chosen Option : 4



age that will be formed after the unfolded net of the cube is folded inwards to



books were to be distributed among a certain number of students invited on the function. However, 9 more students joined the function at the last moment. The books were distributed equally among all the students, each one of them received 9 books more than originally planned. How many students were originally invited to the function?

Question ID : 50389010858
Status : Answered
Chosen Option : 3

Find a word that is similar to the key word given below:

Key word :

Question ID : 50389010847
Status : Answered
Chosen Option : 2

Find a word that is related to the third term in the same way as the second term is related to the first term.

Example : Mouse : ?

Options :

(A) Rat

(B) Cat

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Question ID : 50389010836
Status : Answered
Chosen Option : 4

Find a word that is similar to the pair given below:

Example : Jug

(A) Mug

(B) Soup

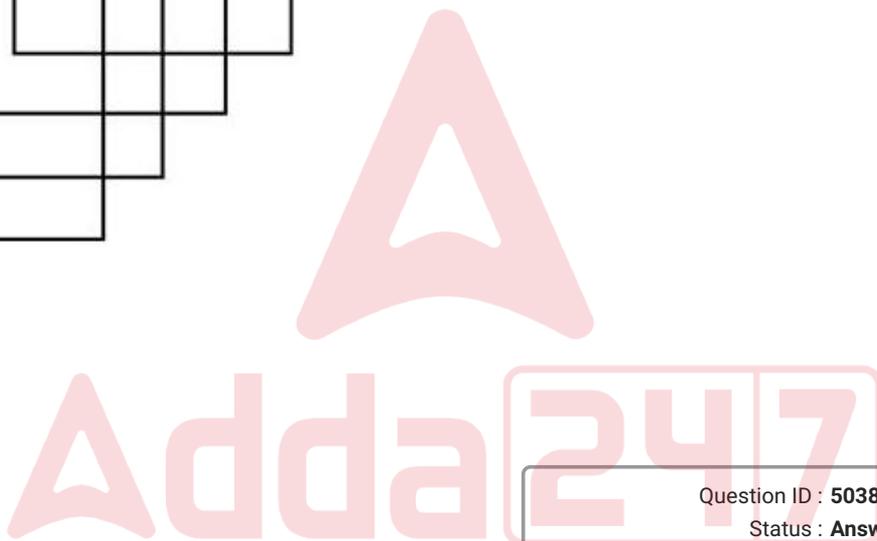
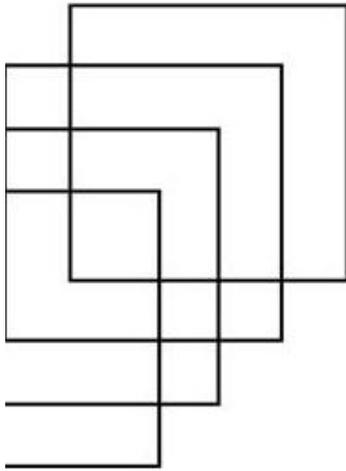
(C) Cup

language, horse is called cow; cow is called deer; deer is called fox; and fox is called hen, from which one of the following can milk be definitely obtained?

e

Question ID : 50389010845
Status : Answered
Chosen Option : 2

Maximum number of squares in this image?



Question ID : 50389010866
Status : Answered
Chosen Option : 3

language, DEN is coded as EDO; BAT is coded as CZU; and BUN is coded as CTO. How would MOP be coded in that language?

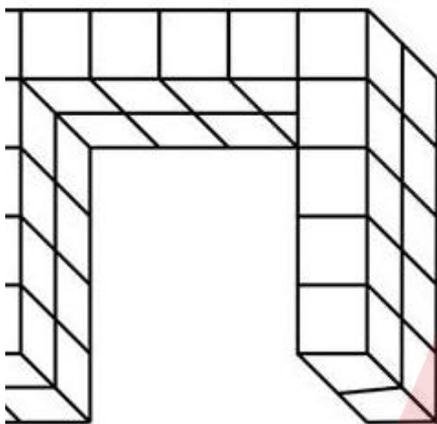
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Question ID : 50389010843
Status : Answered
Chosen Option : 3

number that will come next in the number series.
1, 63, ?

Question ID : 50389010855
Status : Answered
Chosen Option : 3

Total number of cubical blocks in the 3-D figure given below?



Question ID : 50389010862
Status : Answered
Chosen Option : 2

Word that is similar to the key word given below:

- e
- oceros
- alo

Question ID : 50389010846
Status : Answered
Chosen Option : 1

The following four options share a similarity. Select the option that is different from.

|

t

Question ID : 50389010841
Status : Answered
Chosen Option : 3

ge, COAL is coded as 3S@7; PEEL is coded as 9##7; and PEAK is coded as 9#@%. Then, how would in that language?

#0%

#3

3%

@%

Question ID : 50389010844
Status : Answered
Chosen Option : 3

tion that is related to the third term in the same way as the second term is first term.

Question ID : 50389010838
Status : Answered
Chosen Option : 1

tion that will replace the question mark and complete the series correctly.

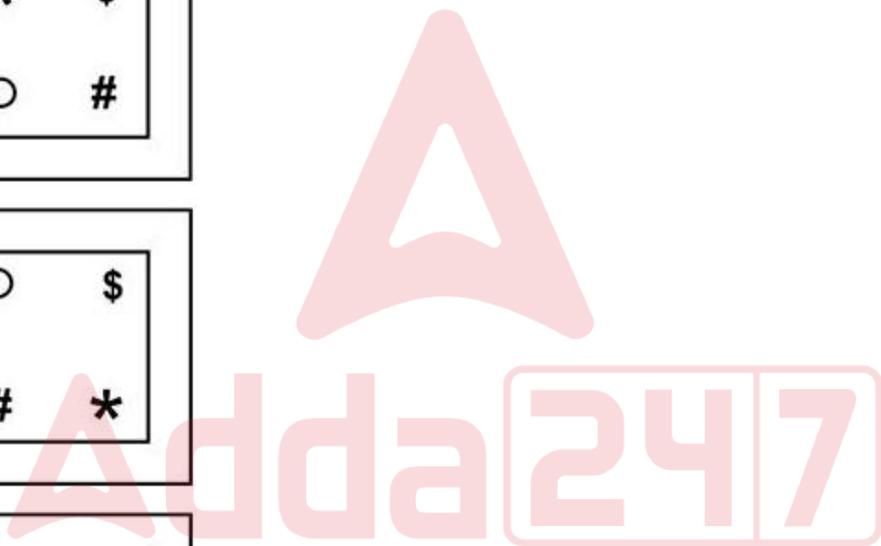
*	# ○	\$ #	?
\$	\$ *	* ○	

\$ ○
△ *

* \$
○ #

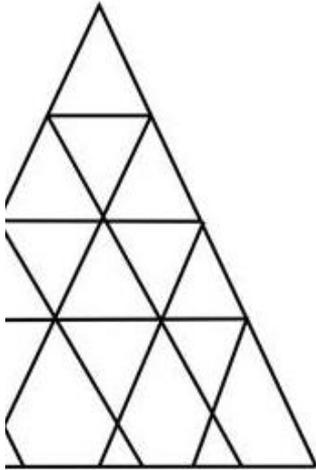
○ \$
*

○ \$
△



Question ID : 50389010868
 Status : Answered
 Chosen Option : 2

Maximum number of triangles in this image?



Question ID : 50389010865
Status : Answered
Chosen Option : 3

Bought a suit piece for Rs. x , and sold it at a profit of 20%. What is the value of x , if it is sold for Rs. 720?

- 100
- 80
- 40
- 60

Question ID : 50389010859
Status : Answered
Chosen Option : 1

If the sum of two prime numbers is 323, and their difference is 2. Which one of the numbers is smaller of these two prime numbers?

Question ID : 50389010861
Status : Answered
Chosen Option : 2

Structure of a boy, Ramya said, "He is my father-in-law's only son's only sister's only brother. Who is Ramya's mother related to the boy in the picture?"

Paternal Aunt

Paternal/maternal) Great grandmother

Paternal Aunt

Paternal Grandmother

Question ID : 50389010853
Status : Answered
Chosen Option : 3

Madhavan is Saritha's only daughter. Madhavan is Saritha's mother, Parvathy's only son. Parvathy's daughter, Vedika related to Saritha?

Sister

Sister

Sister

Question ID : 50389010852
Status : Answered
Chosen Option : 1

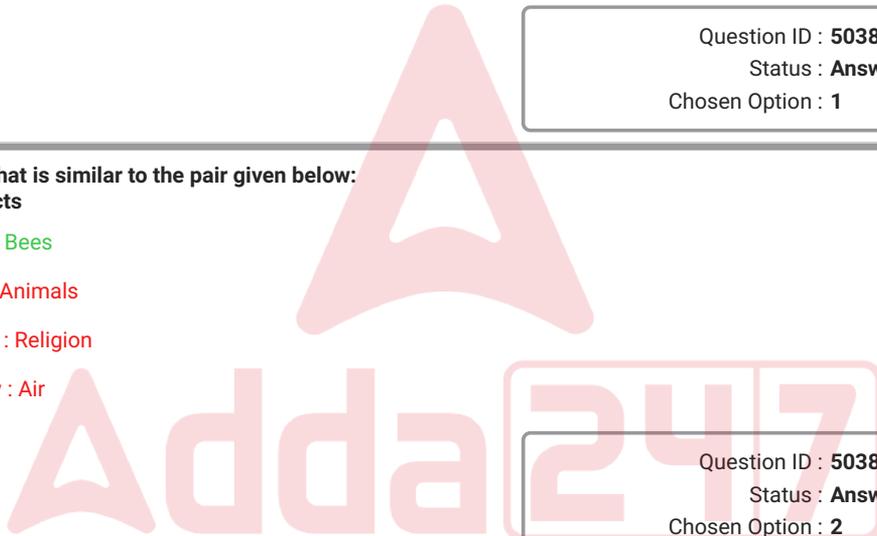
Find the relation that is similar to the pair given below:
Insects

Analogy : Bees

Analogy : Animals

Analogy : Religion

Analogy : Air



Question ID : 50389010848
Status : Answered
Chosen Option : 2

Which of the following four options share a similarity. Select the option that is different from the others.

4, 68, 136

8, 64, 256

4, 48, 96

10, 60, 120

Question ID : 50389010842
Status : Answered
Chosen Option : 2

stem equation , the system is _____ but _____.

- variant, non-causal
- invariant, non-causal
- variant, causal
- invariant, causal

Question ID : 50389010887
Status : Answered
Chosen Option : 1

nitter amplifier is connected with 3-RC network in positive feedback to
oscillator, what are the phase contributions from the transistor and each RC

- 90°
- , 0°
- , 60°
- , 60°

Question ID : 50389010909
Status : Answered
Chosen Option : 3

circuit consists of two resistors of 100Ω and 200Ω in series with a 30V dc.
current through 100Ω and voltage drop across 200Ω.

- , 20V
- , 10V
- , 20V
- , 10V

Question ID : 50389010872
Status : Answered
Chosen Option : 1

s mechanical displacement into electrical signals.

-
- nometer
- mometer
- n gauge

Question ID : 50389010936
Status : Answered
Chosen Option : 1

Primary winding of a current transformer is connected in _____ with the line carrying current and the secondary winding is directly connected across _____.

a) series, ammeter

b) parallel, voltmeter

c) parallel, ammeter

d) series, voltmeter

Question ID : 50389010932
Status : Answered
Chosen Option : 1

In an LTI system the impulse response is $h(n) = \{1, 2, 1, 3\}$. What will be the difference equation?

a) $x(n) - 2y(n-1) - y(n-2) - 3y(n-3)$

b) $x(n) + 2x(n-1) + x(n-2) + 3x(n-3)$

c) $x(n) - 2x(n-1) - x(n-2) - 3x(n-3)$

d) $x(n) + 2y(n-1) + y(n-2) + 3y(n-3)$

Question ID : 50389010882
Status : Answered
Chosen Option : 2

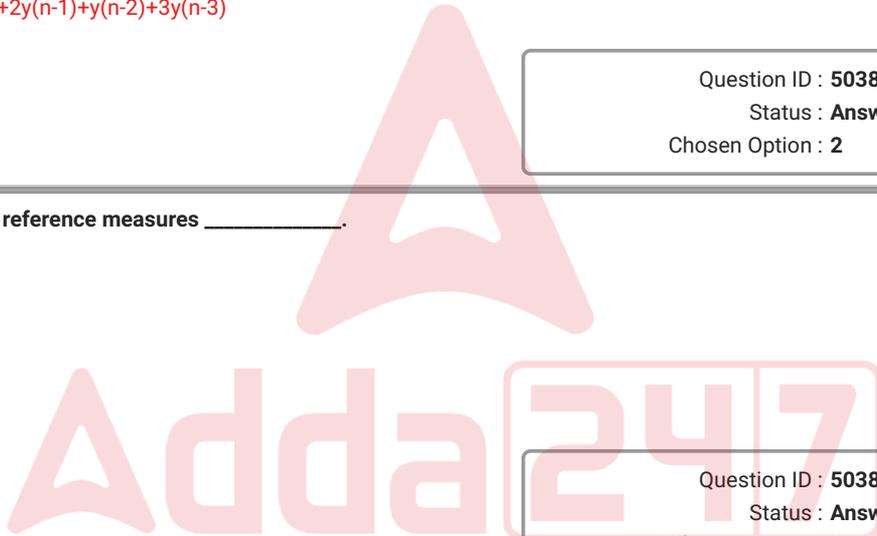
Accuracy in the reference measures _____.

a) precision

b) accuracy

c) reliability

d) validity



Question ID : 50389010927
Status : Answered
Chosen Option : 3

A voltmeter with internal resistance $0.1\text{K}\Omega$, is required to measure 10mA . Compute the sensitivity if the shunt resistance is 11.11Ω .

a) 1000

b) 100

c) 10

Question ID : 50389010924
Status : Answered
Chosen Option : 4

Contribute to _____ power in electrical circuits.

Inductive

Capacitive

Resistive

Inductive

Question ID : 50389010877
Status : Answered
Chosen Option : 2

A PN junction diode is fabricated using _____ semiconductor and can be used as a

Resistor, unidirectional switch

Diode, unidirectional switch

Resistor, bidirectional switch

Diode, bidirectional switch

Question ID : 50389010911
Status : Answered
Chosen Option : 1

A modulated wave can be generated from frequency modulator by connecting a _____ before the modulator and a frequency modulated wave can be generated from amplitude modulator by connecting a _____ before the modulator.

Integrator, integrator

Integrator, high-pass filter

Integrator, low-pass filter

Integrator, differentiator



Question ID : 50389010950
Status : Answered
Chosen Option : 1

_____ address lines are required to select _____ memory locations.

16

24

32

Question ID : 50389010918
Status : Answered
Chosen Option : 1

nal logic circuit for traffic control is designed. _____ GATE can only be ment the designed control circuit without any additional GATES.

R

D

Question ID : 50389010914
Status : Answered
Chosen Option : 4

tion common emitter transistor is operating in saturation mode, identify the ment.

s zero

is zero

zero

= Vce

Question ID : 50389010902
Status : Answered
Chosen Option : 3

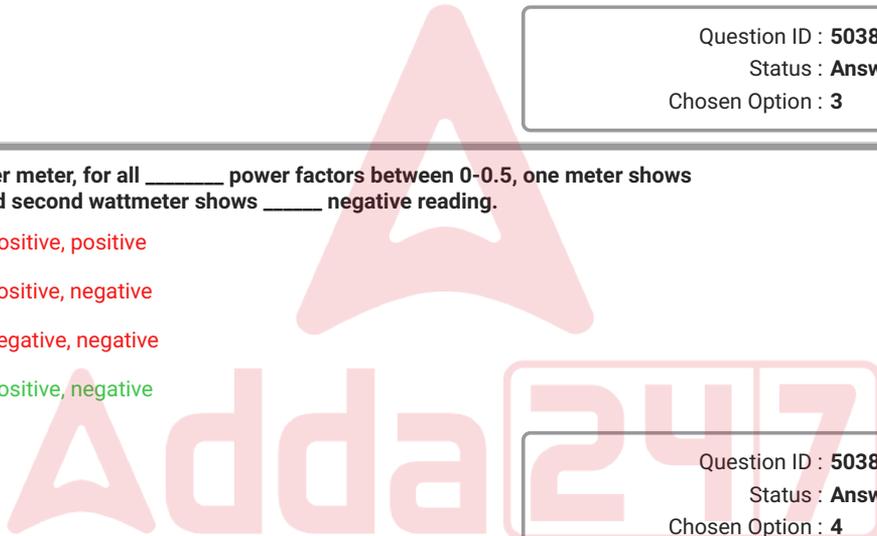
power meter, for all _____ power factors between 0-0.5, one meter shows ig and second wattmeter shows _____ negative reading.

ng, positive, positive

ng, positive, negative

ng, negative, negative

ng, positive, negative



Question ID : 50389010929
Status : Answered
Chosen Option : 4

put voltage and output current in common base configuration of a transistor?

IE respectively

IC respectively

IE respectively

IC respectively

Question ID : 50389010904
Status : Answered
Chosen Option : 4

a difference voltage is produced _____ to electric current in the conductor,
 induced _____ field perpendicular to the current.

- parallel, electric
- inverse, electric
- parallel, magnetic
- inverse, magnetic

Question ID : 50389010939
 Status : Answered
 Chosen Option : 3

average transmitted power of frequency modulated wave with carrier signal
 (modulation index m_f).

Question ID : 50389010944
 Status : Answered
 Chosen Option : 2

sequence $x(n) = \{1, 4, 1, 4\}$, the FFT of the sequence will be _____

- real and odd
- real and even
- imaginary and odd
- imaginary and even

Question ID : 50389010888
 Status : Answered
 Chosen Option : 1

As a receiver, the PIN diode has a _____ intrinsic semiconductor layer separating
 the p and n regions, and the diode is _____ biased which helps draw the current carriers away
 from the intrinsic region.

- thin, reverse
- thin, forward
- thick, reverse
- thick, forward

Question ID : 50389010952
 Status : Answered
 Chosen Option : 3

place transform of $e^{-4t} \cos(6t)u(t)$ is

$$\frac{(s - 4)}{(s - 4)^2 + 36}$$

$$\frac{(s + 6)}{(s + 6)^2 + 16}$$

$$\frac{(s + 4)}{(s + 4)^2 + 16}$$

$$\frac{(s + 4)}{(s + 4)^2 + 36}$$

Question ID : 50389010890
Status : Answered
Chosen Option : 4

damping factor of a unity feedback system with open loop gain $1/s(s+3)$.

Question ID : 50389010895
Status : Answered
Chosen Option : 1

eliminates errors due to contacts and _____ in bridge measuring

atstone Bridge, lead capacitances

n's Double bridge, lead resistances

atstone bridge, lead inductances

atstone Bridge, lead resistances

Question ID : 50389010933
Status : Answered
Chosen Option : 2

stem equation $y(n+2) = -3x(n+2) + 2x(n) - 5x(n-1)$, the system is ____ and stively.

causal, IIR

al, IIR

causal, FIR

Distortion in pulse modulation scheme resulting in _____, is corrected by _____.

Frequency response effect, equalizer

Amplitude distortion, low noise amplifier

Phase distortion null effect, equalizer

Frequency response effect, low noise amplifier

Question ID : 50389010946

Status : Answered

Chosen Option : 2

Superposition theorem is applied to circuits containing ____.

Superposition theorem, Inductors with initial conditions

Superposition theorem, resistors

Ohm's law, transistors

Superposition theorem, ideal capacitors

Question ID : 50389010873

Status : Answered

Chosen Option : 2

The open loop transfer function of a negative feedback system is 10 and feedback factor will be the open loop gain?

,

Question ID : 50389010892

Status : Answered

Chosen Option : 2

In communication, compute the total energy if the energy of each photon is 1J and 10 photons.

1

1

Question ID : 50389010953

Status : Answered

Chosen Option : 2

impulse response is essentially a _____ compensator and used as a ____

pral, Comb

l, high-pass

low-pass

ortional, all pass

Question ID : 50389010893

Status : **Marked For Review**

Chosen Option : 1

peak value of a full wave rectified output if its average value is found to be

Question ID : 50389010876

Status : **Answered**

Chosen Option : 1

$f(X,Y,Z) = \sum m(2,3,4,5)$ is implemented using SOP form, the resultant action would be _____.

YZ

Question ID : 50389010916

Status : **Marked For Review**

Chosen Option : 3

ounter can be implemented using three flipflops.

-6

-11

-9

-13

Question ID : 50389010920

Status : **Answered**

Chosen Option : 1

is the even part of the signal $x(t) = 2 + \cos t$?

- $\sin t$
- $\cos t$
- $-\sin t$
- $\cos t$

Question ID : 50389010880
Status : Answered
Chosen Option : 4

For an E-MOSFET $V_{th} = 5V$, what is the condition to turn ON the device?

- $>5V$
- $<5V$
- $>5V$
- $=5V$

Question ID : 50389010903
Status : Answered
Chosen Option : 1

What is the gauge factor if change in resistance is 0.2Ω per Ohm and change in length is

.

Adda247

Question ID : 50389010938
Status : Answered
Chosen Option : 1

A system with the transfer function $H(z) = 1 + 2z^{-1}$ is excited with

$x(n) = \{3, 4\}$, compute the output of the system.

- $\{4, 11, 6\}$
- $\{3, 10, 8\}$
- $\{3, 8, 10\}$
- $\{4, 6, 11\}$

Question ID : 50389010889
Status : Answered

ulation schemes, raised cosine filter is used to reduce _____ caused by

- symbol interference, higher bandwidth
- symbol interference, timing error
- symbol interference, higher bandwidth
- symbol interference, timing error

Question ID : 50389010947
Status : Answered
Chosen Option : 3

eedback system if the open loop gain is -100 and the feedback factor 1/10, closed loop gain.

1

1

Question ID : 50389010891
Status : Answered
Chosen Option : 1

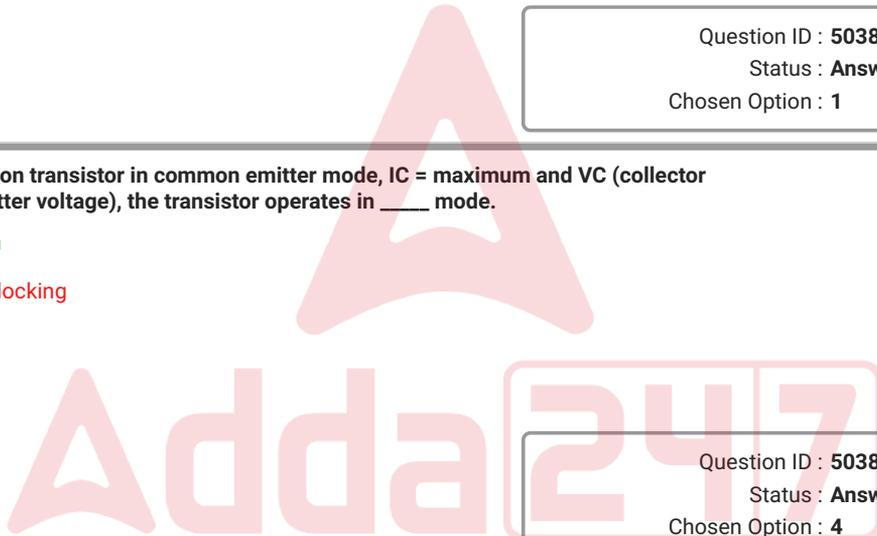
unction transistor in common emitter mode, $I_C = I_{C(max)}$ and $V_C = V_{C(max)}$ (collector emitter voltage), the transistor operates in _____ mode.

ation

ard blocking

e

ff



Question ID : 50389010906
Status : Answered
Chosen Option : 4

p, J and K inputs are set to logic 1, the output $Q(0)$ will be _____ when $Q(-1)$ is

efined, 1

Question ID : 50389010917
Status : Answered
Chosen Option : 1

al $x(t) = 5 \cos\left(\frac{2\pi t}{3}\right) + 9 \sin(0.5\pi t) + 3 \sin\left(\frac{\pi t}{3} - \frac{\pi}{6}\right) + 12$. Identify the valid statement for $x(t)$.

s periodic with frequency (1/12) Hz

s periodic with period 1.2s

s not periodic

s periodic with frequency 12Hz

Question ID : 50389010879

Status : Answered

Chosen Option : 1

CRO, which horizontal voltage moves the luminous spot from left to right in a

rally generated ramp voltage

rally generated step voltage

rally generated step voltage

rally generated ramp voltage

Question ID : 50389010925

Status : Answered

Chosen Option : 4

100V on a digital multimeter ranges from 97V to 103V. Compute the accuracy.

.3%

%

.5%

%

Question ID : 50389010928

Status : Answered

Chosen Option : 4

circuit provides effective impedance of $-2j\Omega$. What will be the phase difference

age and current in this circuit? -

Question ID : 50389010878

Status : Answered

Chosen Option : 2

ed full wave rectifier is loaded by an inductor in series and capacitor in active part of this arrangement behaves as _____.

ector

.

lator

fier

Question ID : 50389010907
 Status : Answered
 Chosen Option : 4

ells if the transmission rate is less than channel capacity, then there exists hat permit error free transmission.

ion's, backward error-correcting codes

ist criterion, forward error-correcting codes

ion's theory, forward error-correcting codes

ist criterion, backward error-correcting codes

Question ID : 50389010948
 Status : Answered
 Chosen Option : 3

following in context of thermistors and identify the correct choice.
 s are inexpensive and rugged.
 s are not amenable to remote measurements

d Q both are incorrect

orrect, Q is incorrect

ncorrect, Q is correct

d Q both are correct

Question ID : 50389010943
 Status : Answered
 Chosen Option : 4

following in context of permanent magnet moving coil and identify the correct

ensitive to small current.
 ree from hysteresis and not affected by external fields.

ncorrect and Q is correct

d Q both are incorrect

d Q both are correct

orrect and Q is incorrect

Question ID : 50389010930
 Status : Answered

transfer function if the impulse response of an LTI systems is $h(n) = 0.5^n u(n)$.

$$(z) = \frac{z}{(z - 0.5)}; |z| < 0.5$$

$$(z) = \frac{1}{(z - 0.5)}; |z| > 0.5$$

$$(z) = \frac{1}{(z - 0.5)}; |z| < 0.5$$

$$(z) = \frac{z}{(z - 0.5)}; |z| > 0.5$$

Question ID : 50389010884
Status : Answered
Chosen Option : 1

order of transfer function of an ideal LC tank circuit is _____.

Question ID : 50389010894
Status : Answered
Chosen Option : 3

following in context of creeping in energy meter and identify the correct

reason of creeping is under-compensation for friction.
may be because of excessive voltage and vibrations.

- Q both are correct
- correct, Q is incorrect.
- incorrect, Q is correct
- Q both are incorrect

Question ID : 50389010941
Status : Answered
Chosen Option : 3

is given by $v(t) = 5\sin(2000\pi t)$, what is the time period and the dc

- ms, 0V
- .0V
- ms, 5V
- .0V

system bandwidth capacity in a FDM system having 200 users with individual

- 1MHz
- 1kHz
- 1Hz
- 5MHz

Question ID : 50389010949
Status : Answered
Chosen Option : 3

Under influence of external force produce _____.

- 1. Piezometers, vibrations
- 2. Piezoelectric crystals, magnetomotive force
- 3. Piezometers, current
- 4. Piezoelectric crystals, electromotive force

Question ID : 50389010937
Status : Answered
Chosen Option : 1

JFET stands for _____ layer which provides _____ to the device.

- 1. n-type, high input impedance
- 2. p-type, higher base transportation factor
- 3. n-type, thermal stability
- 4. p-type, low input impedance

Question ID : 50389010905
Status : Answered
Chosen Option : 1

A dynamometer is a _____ instrument where magnetic field in which coil moves, is

- 1. Permanent magnet-type, permanent magnets
- 2. Permanent magnet-type, permanent magnets
- 3. Permanent magnet-type, fixed coils
- 4. Permanent magnet-type, fixed coils

Question ID : 50389010931
Status : Answered
Chosen Option : 3

stem transfer function is $H(s)=1/s^3$. Express its impulse response in terms signal

$f) \otimes u(t)$; \otimes denotes convolution

$f) \otimes u(t) \otimes u(t) \otimes u(t)$; \otimes denotes convolution

$f) \times u(t) \times u(t)$; \times denotes multiplication

$f) \otimes u(t) \otimes u(t)$; \otimes denotes convolution

Question ID : 50389010896
Status : Answered
Chosen Option : 4

of control lines in a multiplexer is 5, identify the MUX.

Question ID : 50389010915
Status : Answered
Chosen Option : 3

nsmitter transmits 10W power, compute its equivalent power in dBm.

3m

Bm

3m

3m



Question ID : 50389010954
Status : Answered
Chosen Option : 1

measured by ____.

nistor

nometer

n gauge

-

Question ID : 50389010935
Status : Answered
Chosen Option : 2

odes, the junction capacitance is controlled by _____ supply in _____ mode.

- nal, forward biased
- nal, reverse biased
- nal, forward biased
- nal, reverse biased

Question ID : 50389010910
Status : Answered
Chosen Option : 2

er system has natural frequency 3rad/sec and unity damping factor. Identify its _____ ion.

$$\frac{1}{s^2 + 3s + 9}$$

$$\frac{9}{s^2 + 2s + 9}$$

$$\frac{9}{s^2 + 6s + 9}$$

$$\frac{3}{s^2 + 3s + 3}$$

Question ID : 50389010899
Status : Answered
Chosen Option : 3

system, the transfer function is $H(z) = \frac{z}{(z - 0.2)(z - 0.5)}$; $|z| > 0.5$, the _____ and _____.

- al IIR, unstable
- al FIR, stable
- ausal FIR, stable
- al IIR, stable

Question ID : 50389010885
Status : Answered
Chosen Option : 1

Instruction is executed in 8085,

Correct statement.

1) Data is copied to register B

2) Instruction at address 4002H is copied to register B

3) Instruction is copied to register B

4) Instruction at address 4000H is copied to register B

Question ID : 50389010923
Status : Answered
Chosen Option : 4

_____ interrupt which has the _____ priority among all other

1) Non maskable, lowest

2) Maskable, highest

3) Non maskable, second lowest

4) Maskable, second highest

Question ID : 50389010922
Status : Answered
Chosen Option : 2

Transfer function of a system is $1/(s+1)$, compute steady state final value when excited by unit step input.

1) 1

Question ID : 50389010898
Status : Answered
Chosen Option : 2

In a parallel circuit, two resistors of 10Ω and 15Ω are connected in parallel across 60V dc source. Calculate the current through 10Ω resistor.

Question ID : 50389010871
Status : Answered
Chosen Option : 2

stem, sustained oscillations are obtained as output, what are the pole

gate poles on imaginary axis

gate poles in the left half of s-plane

poles in the left half of s-plane

gate poles in the right half of s-plane

Question ID : 50389010897

Status : Answered

Chosen Option : 1

following numbers in sequence 0, 1, 2, 3, 10, 11, 12, 13, 20,
number system for the above sequence.

mal

l

decimal

ternary

Question ID : 50389010912

Status : Answered

Chosen Option : 4

operating gate-to-source voltage for an n-channel FET to make drain current
= -3.5V.

7

Question ID : 50389010908

Status : Answered

Chosen Option : 2

er system has only imaginary conjugate poles, what is the damping factor
system?

een zero and 1

than zero

ter than unity

Question ID : 50389010900

Status : Answered

Chosen Option : 3

an simplified form for $S = (X+Y)(X+Z)$ is _____.

z
z

Question ID : 50389010921
Status : Answered
Chosen Option : 4

When the core is at NULL position, the flux linkage with both the secondary _____ and results in _____ output voltage.

il, zero
equal, zero
il, maximum
equal, maximum

Question ID : 50389010942
Status : Answered
Chosen Option : 3

In an integrating type DVM, the accuracy of measured voltage _____ on the time constant and _____ of frequency of oscillation.

depends, independent
doesn't depend, function
doesn't depend, independent
depends, function

Question ID : 50389010926
Status : Answered
Chosen Option : 3

Following in context of linear variable differential transformer and identify the correct statement.
Q. LVDT consumes low power and has lower hysteresis loss.
Q. Dynamic response of LVDT is instantaneous.

Both Q both are correct
Q is correct, Q is incorrect
Q is incorrect, Q is correct
Both Q both are incorrect

Question ID : 50389010934
Status : Answered
Chosen Option : 4

Percent errors in current transformer can be reduced by _____ the flux _____ permeability of core material.

- decreasing, increasing
- decreasing, decreasing
- decreasing, increasing
- decreasing, decreasing

Question ID : 50389010940
Status : Answered
Chosen Option : 2

LEDs have _____ power output power, _____ switching speed and _____ spectral width than the optical source.

- higher, higher
- lower, higher
- lower, lower
- higher, lower

Question ID : 50389010951
Status : Answered
Chosen Option : 2

The closed loop DC gain is _____ the open loop DC gain if the closed loop transfer function is $\frac{1}{1+14s}$ with unity feedback factor.



Question ID : 50389010901
Status : Answered
Chosen Option : 1

The addressing mode of 8085 microprocessor in the following instruction

- Immediate
- Register
- Direct
- Indirect

Question ID : 50389010919

For a signal $y(t) = u(t-2) - u(t-4)$, evaluate $\int_{-\infty}^{\infty} x(t)\delta(t)dt$

Question ID : 50389010881
Status : Answered
Chosen Option : 2

decimal equivalent of an octal number 10.

Question ID : 50389010913
Status : Answered
Chosen Option : 4

modulation factor if $V_{max}=10V$, $V_{min}=2$ in an AM system.

Question ID : 50389010945
Status : Answered
Chosen Option : 3

DTFT of a sequence $x[n]$ is $X[k] = [6, 2]$, compute its inverse.

:-[2,2]

:-[2,4]

:-[4,4]

:-[4,2]

Question ID : 50389010886
Status : Answered
Chosen Option : 2

equivalent resistance if two resistors of 50Ω connected in parallel with a
r of 25Ω .

Ω

Ω

Question ID : 50389010870
Status : Answered
Chosen Option : 1

Thevenized and found to have parameters as 25Ω and $10V$. What will be the
power transferred to the load?

Question ID : 50389010874
Status : Answered
Chosen Option : 2