

Question Paper Preview

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	M B A 5 years Integrated 22nd Sep 2021 Shift 3
Subject Name :	M.B.A. (5 years Integrated)
Creation Date :	2021-09-22 19:25:35
Duration :	90
Total Marks :	100
Display Marks:	No
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console? (SA type of questions will be always auto saved) :	Yes

M.B.A. (5 years Integrated)

Group Number :

1

Group Id :	96835559
Group Maximum Duration :	0
Group Minimum Duration :	90
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

PART A

Section Id :	96835583
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	40
Number of Questions to be attempted :	40
Section Marks :	40
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	968355107
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 9683556084 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (verb) that suits in the blanks given below:

Mohan often _____ to my house.

Options :

1. ✘ come
2. ✔ comes
3. ✘ has come
4. ✘ is coming

Question Number : 2 Question Id : 9683556085 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (verb) that suits in the blanks given below:

In June I _____ thirty-seven.

Options :

1. ✘ shall be
2. ✘ were
3. ✔ am being
4. ✘ will

Question Number : 3 Question Id : 9683556086 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (verb) that suits in the blanks given below:

The patient _____ on his bed.

Options :

1. ✘ lay

2. ✘ laid

3. ✔ lain

4. ✘ lie

Question Number : 4 Question Id : 9683556087 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (verb) that suits in the blanks given below:

She _____ destined to be a queen.

Options :

1. ✘ are

2. ✘ am

3. ✘ was

4. ✔ were

Question Number : 5 Question Id : 9683556088 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (verb) that suits in the blanks given below:

My father _____ in a bank for 10 years, then he became a computer programmer.

Options :

1. ✘ was working
2. ✔ have worked
3. ✘ works
4. ✘ has worked

Question Number : 6 Question Id : 9683556089 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (question tag) that suits in the blanks given below:

That was Ann on the phone, _____?

Options :

1. ✘ was that
2. ✘ was it Ann
3. ✔ wasn't it Ann
4. ✘ wasn't that

Question Number : 7 Question Id : 9683556090 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (question tag) that suits in the blanks given below:

They need two vehicles, _____?

Options :

1. ✘ need they

2. ✔ needn't they

3. ✘ don't they

4. ✘ do they

Question Number : 8 Question Id : 9683556091 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (question tag) that suits in the blanks given below:

You'll help me, _____?

Options :

1. ✘ will you

2. ✘ won't you

3. ✓ shall you

4. ✘ shan't

Question Number : 9 Question Id : 9683556092 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (question tag) that suits in the blanks given below:

I'm attractive _____ ?

Options :

1. ✘ aren't I

2. ✘ don't I

3. ✓ am not I

4. ✘ do I

Question Number : 10 Question Id : 9683556093 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option (question tag) that suits in the blanks given below:

They won't do such comments _____ ?

Options :

1. ✘ don't they

2. ✘ aren't they

3. ✘ will they

4. ✔ won't they

Question Number : 11 Question Id : 9683556094 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best ANTONYM

TURBULENT

Options :

1. ✔ shaky

2. ✘ tranquil

3. ✘ chaotic

4. ✘ comfort

Question Number : 12 Question Id : 9683556095 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best ANTONYM

STATIC

Options :

1. ✘ moving
2. ✘ stable
3. ✘ strong
4. ✔ objective

Question Number : 13 Question Id : 9683556096 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best ANTONYM

RELUCTANT

Options :

1. ✘ unwilling
2. ✔ disloyal
3. ✘ stupid
4. ✘ willing

Question Number : 14 Question Id : 9683556097 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best ANTONYM

PERSUADE

Options :

1. ✘ excite
2. ✘ incite
3. ✔ dissuade
4. ✘ check

Question Number : 15 Question Id : 9683556098 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best ANTONYM

ABDUNDANT

Options :

1. ✘ wide
2. ✔ scarce
3. ✘ accidental
4. ✘ wrong

Question Number : 16 Question Id : 9683556099 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best SYNONYM.

VINDICATE

Options :

1. ✓ open

2. ✗ ventilate

3. ✗ justify

4. ✗ recommend

Question Number : 17 Question Id : 9683556100 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best SYNONYM.

FICTITIOUS

Options :

1. ✗ credible

2. ✓ believable

3. ✗ true

4. ✗

fabricated

Question Number : 18 Question Id : 9683556101 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best SYNONYM.

COGENT

Options :

1. ✘ power
2. ✘ illogical
3. ✔ convincing
4. ✘ incoherent

Question Number : 19 Question Id : 9683556102 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best SYNONYM.

COMMENDED

Options :

1. ✘ praised
2. ✘

abused

3. ✘ exaggerated

4. ✔ enlarged

Question Number : 20 Question Id : 9683556103 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For each word given in capital letters choose the best SYNONYM.

LAMENT

Options :

1. ✘ mourn

2. ✔ comment

3. ✘ appreciate

4. ✘ console

Question Number : 21 Question Id : 9683556104 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option that suits in the blanks given below.

I am in _____ hurry.

Options :

1. ✘ a
2. ✘ an
3. ✔ the
4. ✘ no article

Question Number : 22 Question Id : 9683556105 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option that suits in the blanks given below.

_____ First World War broke out in 1914.

Options :

1. ✘ A
2. ✔ An
3. ✘ The
4. ✘ no article

Question Number : 23 Question Id : 9683556106 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option that suits in the blanks given below.

What do you usually have for _____ lunch?.

Options :

1. ✘ a
2. ✘ an
3. ✔ the
4. ✘ no article

Question Number : 24 Question Id : 9683556107 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option that suits in the blanks given below.

Kalidas is regarded as _____ Shakespeare of India.

Options :

1. ✘ a
2. ✘ an
3. ✔ the
4. ✘ no article

Question Number : 25 Question Id : 9683556108 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option that suits in the blanks given below.

I got _____ e-mail from my friend.

Options :

1. ✘ a
2. ✘ an
3. ✔ the
4. ✘ no article

Sub-Section Number :

2

Sub-Section Id :

968355108

Question Shuffling Allowed :

Yes

Question Number : 26 Question Id : 9683556109 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which one of the following ports is the oldest port in India?

Options :

1. ✘ Mumbai Port
2. ✔ Chennai Port
3. ✘ Kolkata Port

4. ✘ Vishakhapatnam Port

Question Number : 27 Question Id : 9683556110 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the name of India's initiative to deliver Covid-19 vaccines to friendly countries?

Options :

1. ✘ Vaccine Maitri
2. ✔ Vaccine to Mitron
3. ✘ Bharat Vaccine Mitra
4. ✘ India contributes

Question Number : 28 Question Id : 9683556111 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Tsunamis are not caused by

Options :

1. ✘ Hurricanes
2. ✘ Earthquakes
3. ✘ Undersea landslides

4. ✓ Volcanic eruptions

Question Number : 29 Question Id : 9683556112 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In India, planned economy is based on

Options :

1. ✓ Gandhian System
2. ✗ Socialist System
3. ✗ Capitalist System
4. ✗ Mixed Economy System

Question Number : 30 Question Id : 9683556113 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is related to Bharat Nirman Scheme?

Options :

1. ✓ Food grain production self-sufficiency
2. ✗ Family welfare programme
3. ✗ Infrastructure development

4. ✘ Employment generation program

Question Number : 31 Question Id : 9683556114 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Number of State and Union Territories in India

Options :

1. ✘ 27 States and 8 Union Territories
2. ✘ 29 States and 7 Union Territories
3. ✘ 27 States and 6 Union Territories
4. ✔ 23 States and 10 Union Territories

Question Number : 32 Question Id : 9683556115 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sex ratio of India according to the 2011 census

Options :

1. ✘ 940
2. ✔ 972
3. ✘ 845
4. ✘ 774

Question Number : 33 Question Id : 9683556116 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which state is known as India's Spice Garden ?

Options :

1. ✘ Kerala
2. ✘ Karnataka
3. ✔ Assam
4. ✘ Andhra Pradesh

Question Number : 34 Question Id : 9683556117 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

On which spacecraft did Rakesh Sharma make his historic trip to Space?

Options :

1. ✘ Salyut 7
2. ✔ Soyuz-T
3. ✘ Apollo 11
4. ✘ Progress 1

Question Number : 35 Question Id : 9683556118 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Who is popularly called as the Iron Man of India?

Options :

1. ✘ Jawaharlal Nehru
2. ✘ Subhash Chandra Bose
3. ✔ A.P.J Abdul Kalam
4. ✘ Vallabhbhai Patel

Question Number : 36 Question Id : 9683556119 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Polavaram Lift Irrigation project is being constructed in which state?

Options :

1. ✔ Tamil Nadu
2. ✘ Kerala
3. ✘ Andhra Pradesh
4. ✘ Telangana

Question Number : 37 Question Id : 9683556120 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following awards was conferred on Mrs. Kiran Bedi

Options :

1. ✘ Saraswati
2. ✘ Golden Globe
3. ✘ Magsaysay
4. ✔ Rani Lakshmi

Question Number : 38 Question Id : 9683556121 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sarkaria Commission had been set up to look into

Options :

1. ✘ agricultural taxes
2. ✘ Centre-State relations
3. ✘ splitting of LIC
4. ✔ Inter-State relations

Question Number : 39 Question Id : 9683556122 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the full form of AMRUT?

Options :

1. ✘ Atal Mission for Rejuvenation and Urban Transformation
2. ✘ Additional Mission for Rejuvenation and Urban Transformation
3. ✘ Atal Mission for Recycle and Urban Transformation
4. ✔ None

Question Number : 40 Question Id : 9683556123 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Kuchipudi Dance is associated with which Indian state?

Options :

1. ✘ Kerala
2. ✘ West Bengal
3. ✘ Assam
4. ✔ Andhra Pradesh

Part B

Section Id :	96835584
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	60
Number of Questions to be attempted :	60
Section Marks :	60
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	968355109
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 9683556124 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II .You must decide whether the data given in the statements is sufficient to answer the questions .

What is the value of $3^x + 3^{-x}$?

(I) $x > 0$

(II) $9^x + 9^{-x} = 34$

Options :

1. ✘ the statement I alone is sufficient to answer the question

2. ✓ the statement II alone is sufficient to answer the question

both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

3. ✘

both the statements I and II are not sufficient to answer the question and additional data is required

4. ✘

Question Number : 42 Question Id : 9683556125 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II .You must decide whether the data given in the statements is sufficient to answer the questions .

What is the area of the playground?

(I) The play ground is in square shape

(II) Diagonal of the play ground is $16\sqrt{2}$ cm

Options :

1. ✓ the statement I alone is sufficient to answer the question

2. ✘ the statement II alone is sufficient to answer the question

both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

3. ✖

both the statements I and II are not sufficient to answer the question and additional data is required

4. ✖

Question Number : 43 Question Id : 9683556126 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II .You must decide whether the data given in the statements is sufficient to answer the questions .

What is the value of a^b ?

(I) $b = 2a$

(II) $a + b = 6$

Options :

1. ✖ the statement I alone is sufficient to answer the question

2. ✔ the statement II alone is sufficient to answer the question

both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

3. ✖

both the statements I and II are not sufficient to answer the question and additional data is required

4. ✘

Question Number : 44 Question Id : 9683556127 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II .You must decide whether the data given in the statements is sufficient to answer the questions .

What is the value of xy ?

(I) $x + y = 8$.

(II) $3x + 3y = 24$

Options :

1. ✘ the statement I alone is sufficient to answer the question

2. ✘ the statement II alone is sufficient to answer the question

both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

3. ✔

both the statements I and II are not sufficient to answer the question and additional data is required

4. ✘

Question Number : 45 Question Id : 9683556128 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II .You must decide whether the data given in the statements is sufficient to answer the questions .

What is the value of x ?

(I) $x^2 - 16x + 48 = 0$

(II) $x^2 - 14x + 49 = 0$

Options :

1. ✘ the statement I alone is sufficient to answer the question

2. ✔ the statement II alone is sufficient to answer the question

3. ✘ both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

4. ✘ both the statements I and II are not sufficient to answer the question and additional data is required

Question Number : 46 Question Id : 9683556129 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements is sufficient to answer the questions.

What is the equation of the line L?

(I) Line L passes through $O(0,0)$

(II) Line L makes an angle 45° with the positive direction of X-axis.

Options :

1. ✘ the statement I alone is sufficient to answer the question

2. ✘ the statement II alone is sufficient to answer the question

3. ✘ both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

4. ✔ both the statements I and II are not sufficient to answer the question and additional data is required

Question Number : 47 Question Id : 9683556130 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements is sufficient to answer the questions.

If $x + y = 26$, then find the value of xy .

(I) x, y are positive integers

(II) x, y are consecutive even integers.

Options :

1. ✓ the statement I alone is sufficient to answer the question

2. ✘ the statement II alone is sufficient to answer the question

both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

3. ✘

both the statements I and II are not sufficient to answer the question and additional data is required

4. ✘

Question Number : 48 Question Id : 9683556131 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Note: The question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements is sufficient to answer the questions.

What is the area of the rectangle?

(I) The perimeter of the rectangle is 34cm

(II) Each diagonal of the rectangle is 13cm

Options :

1. ✘ if the statement I alone is sufficient to answer the question

2. ✘ if the statement II alone is sufficient to answer the question

3. ✔ if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient

4. ✘ if both the statements I and II are not sufficient to answer the question and additional data is required

Question Number : 49 Question Id : 9683556132 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

$$1^2 + 2^2 + 3^2 + 4^2 + \dots + 10^2 =$$

Options :

1. ✘ 390

2. ✘ 384

3. ✘ 385

4. ✔ 386

Question Number : 50 Question Id : 9683556133 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following numbers is not divisible by 9 ?

Options :

1. ✘ 13464

2. ✘ 23571

3. ✘ 36432

4. ✔ 15411

Question Number : 51 Question Id : 9683556134 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

$A=1+3+5+7+\dots+99$ and $B=2+4+6+8+\dots+100$. Then $B-A=$

Options :

1. ✘ 50

2. ✘ 51

3. ✔ 49

4. ✘ 100

Question Number : 52 Question Id : 9683556135 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Suppose that a line L_1 passes through the points $A(3,0)$ and $B(0,3)$ and another line L_2 passes through the points $C(7,0)$ and $D(0,-7)$. If $P(a, b)$ is the point of intersection of the lines L_1 and L_2 , then the value of ab is

Options :

1. ✔ -4

2. ✘ -6

3. ✘ -8

4. ✘ -10

Question Number : 53 Question Id : 9683556136 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Equation of the line passing through the point $P(-5,6)$ and parallel to the line $4x + 3y + 9 = 0$ is

Options :

1. ✓ $3x + 4y - 9 = 0$

2. ✗ $4x + 3y + 2 = 0$

3. ✗ $4x + 3y + 4 = 0$

4. ✗ $3x - 4y + 39 = 0$

Question Number : 54 Question Id : 9683556137 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Area of the triangle with vertices at $O(0,0)$, $A(5,6)$ and $B(8,4)$ is (in square units)

Options :

1. ✗ 26

2. ✓ 28

3. ✗ 14

4. ✗ 13

Question Number : 55 Question Id : 9683556138 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Equation of the line passing through the point $A(1,3)$ and $B(2,4)$ is

Options :

1. ✘ $3x - y = 0$

2. ✘ $x - y + 2 = 0$

3. ✘ $x + y - 4 = 0$

4. ✔ $x + y - 6 = 0$

Question Number : 56 Question Id : 9683556139 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For $n \geq 1$, let $a_n = \frac{3+n}{4}$. Then $a_1 + a_2 + a_3 + \dots + a_{105} =$

Options :

1. ✘ 1470

2. ✔ 1490

3. ✘ 1460

4. ✘ 1450

Question Number : 57 Question Id : 9683556140 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the third term of a geometric progression is 3 , then the product of the first five terms is

Options :

1. ✘ 81

2. ✔ 243

3. ✘ 729

4. ✘ 27

Question Number : 58 Question Id : 9683556141 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $\begin{bmatrix} x-y & y-x \\ x+2y & 2x+y \end{bmatrix} = \begin{bmatrix} -3 & 3 \\ 18 & 15 \end{bmatrix}$, then $x^2 + y^2 =$

Options :

1. ✘ 41

2. ✘ 40

3. ✘ 65

4. ✓ 53

Question Number : 59 Question Id : 9683556142 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let $A = \begin{bmatrix} 1 & -3 \\ 1 & 5 \end{bmatrix}$ and I be the unit matrix of order 2. If $A^2 + \alpha A + \beta I = 0$, then $(\alpha, \beta) =$

Options :

1. ✗ (6, 8)

2. ✗ (-6, -8)

3. ✓ (6, -8)

4. ✗ (-6, 8)

Question Number : 60 Question Id : 9683556143 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the height of the cylinder is 14 cm and its base radius 10 cm then the curved surface area of the cylinder (in cubic centimeters) is

Options :

1. ✘ 366

2. ✘ 880

3. ✔ 496

4. ✘ 396

Question Number : 61 Question Id : 9683556144 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A cube of side 20 cm is cut into 64 smaller cubes of equal side .Then the side of the smaller cube is

Options :

1. ✘ 4

2. ✔ 6

3. ✘ 5

4. ✘ 8

Question Number : 62 Question Id : 9683556145 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If two squares have sides in the ratio 2:3,then the ratio of their areas is

Options :

1. ✓ 3:2

2. ✗ 4:9

3. ✗ 2:9

4. ✗ 4:3

Question Number : 63 Question Id : 9683556146 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the volume of the sphere is 38808 cubic centimeters ,then the surface area of the sphere is(in cubic centimeters)

Options :

1. ✓ 5254

2. ✗ 5354

3. ✗ 5544

4. ✗ 5454

Question Number : 64 Question Id : 9683556147 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The area of an equilateral triangle whose median is 9cm

Options :

1. ✘ $12\sqrt{3}$

2. ✘ $6\sqrt{3}$

3. ✔ $9\sqrt{3}$

4. ✘ $27\sqrt{3}$

Question Number : 65 Question Id : 9683556148 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function defined by $f(x) = \log\left(\frac{1+x}{1-x}\right)$ then $f\left(\frac{8}{17}\right) =$

Options :

1. ✘ $\log\left(\frac{3}{5}\right)$

2. ✘ $\log\left(\frac{6}{5}\right)$

3. ✘

$$1. \log\left(\frac{5}{3}\right)$$

4. ✓ $\log\left(\frac{4}{5}\right)$

Question Number : 66 Question Id : 9683556149 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A sum of money at simple interest amount to Rs4452 in two years and Rs 4830 in 5 years. Then the the sum is

Options :

1. ✗ 4100

2. ✗ 4200

3. ✗ 4300

4. ✓ 4400

Question Number : 67 Question Id : 9683556150 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If a sum of money amounts to Rs 6084 in 2 years at 4% compound interest, then the sum is

Options :

1. ✘ 5525

2. ✘ 5625

3. ✔ 5325

4. ✘ 5265

Question Number : 68 Question Id : 9683556151 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If 3 fans and 4 chairs cost Rs 6400 and 4 fans and 3 chairs cost Rs 6900, then the cost of 5 fans and 6 chairs is

Options :

1. ✘ 12,200

2. ✔ 9,200

3. ✘ 11,200

4. ✘ 10,200

Question Number : 69 Question Id : 9683556152 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $\frac{x}{y} = \frac{4}{5}$ then $\frac{7x+6y}{6x+7y} =$

Options :

1. ✓ $\frac{58}{59}$

2. ✗ $\frac{59}{58}$

3. ✗ $\frac{58}{57}$

4. ✗ $\frac{57}{58}$

Question Number : 70 Question Id : 9683556153 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Find the odd one out in the sequence 1,9,36,100,225,431

Options :

1. ✗ 431

2. ✗ 100

3. ✓ 225

4. ✗ 36

Question Number : 71 Question Id : 9683556154 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is the smallest ?

Options :

1. ✘ $\frac{0.05}{0.00037}$

2. ✔ $\frac{0.05}{0.0037}$

3. ✘ $\frac{0.05}{0.037}$

4. ✘ $\frac{0.05}{0.37}$

Question Number : 72 Question Id : 9683556155 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the average of the five numbers $k+1$, $2k$, $3k-2$, $4k+3$ and $6k-4$ is 22, then the value of k is

Options :

1. ✔ 6

2. ✘ 7

3. ✘ 5

4. ✘ 4

Question Number : 73 Question Id : 9683556156 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $x = 2, y = -3, z = -5$, then the value of $x^2 y^3 z^2$ is

Options :

1. ✘ -300

2. ✘ -2800

3. ✘ -2700

4. ✔ -900

Question Number : 74 Question Id : 9683556157 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $a + b = 6$ and $a^2 + b^2 = 20$ then $ab =$

Options :

1. ✘ 4

2. ✘ 8

3. ✔ 2

4. ✘ 1

Question Number : 75 Question Id : 9683556158 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The sum of the digits in the decimal expansion of the integer $10^{12} - 47$ is

Options :

1. ✘ 97

2. ✔ 99

3. ✘ 98

4. ✘ 96

Question Number : 76 Question Id : 9683556159 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

$$|-6|(|-22| - |-4|) =$$

Options :

1. ✘ 108

2. ✘ -108

3. ✔ 106

4. ✘ 110

Question Number : 77 Question Id : 9683556160 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $(3^x)^y = 81$, then the largest possible value of $x + y$ is

Options :

1. ✘ 2

2. ✘ 3

3. ✘ 4

4. ✔ 5

Question Number : 78 Question Id : 9683556161 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

$$0.1111+0.2222+0.3333+0.4444 =$$

Options :

1. ✘ 1.234

2. ✘ 0.1234

3. ✔ 11.11

4. ✘ 1.111

Question Number : 79 Question Id : 9683556162 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $\frac{7}{10^5} = x\%$, then $x =$

Options :

1. ✔ 0.7

2. ✘ 0.0007

3. ✘ 0.07

4. ✘ 0.007

Question Number : 80 Question Id : 9683556163 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A positive integer x leaves remainders 1,2 upon division by 5 and 31 respectively. Then the remainder when x is divided by 10 is

Options :

1. ✓ 2

2. ✗ 3

3. ✗ 4

4. ✗ 6

Question Number : 81 Question Id : 9683556164 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A speed of 108 km/hour is same as

Options :

1. ✓ 27 meters/sec

2. ✗ 30 meters/sec

3. ✗ 36 meters/sec

4. ✗ 54 meters/sec

Question Number : 82 Question Id : 9683556165 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A person travels from city A to city B at 60 km/hr and returns to A at a lower speed . If his average speed for the whole journey is 40 km/hr , at what speed did he return ?

Options :

1. ✘ 30

2. ✘ 25

3. ✔ 45

4. ✘ 50

Question Number : 83 Question Id : 9683556166 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

16:22 :: 36:_____

Options :

1. ✘ 14

2. ✘ 44

3. ✘ 34

4. ✓ 64

Question Number : 84 Question Id : 9683556167 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

169:14 :: 324:_____

Options :

1. ✗ 16

2. ✗ 15

3. ✓ 19

4. ✗ 17

Question Number : 85 Question Id : 9683556168 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

9:738 :: 10:_____

Options :

1. ✗ 2010

2. ✓ 1010

3. ✗

3010

4. ✘ 990

Question Number : 86 Question Id : 9683556169 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

CARE : FSBD :: SKIP : _____

Options :

1. ✘ QILT

2. ✔ QLIT

3. ✘ QTIL

4. ✘ QJLT

Question Number : 87 Question Id : 9683556170 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

AC: M :: BE : _____

Options :

1. ✔ Y

2. ✘ Z

3. ✘ X

4. ✘ N

Question Number : 88 Question Id : 9683556171 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In a certain code if $9 \times 7 = 48$ and $11 \times 5 = 40$, then $63 \times 11 =$

Options :

1. ✔ 602

2. ✘ 639

3. ✘ 620

4. ✘ 693

Question Number : 89 Question Id : 9683556172 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In a certain code if $9 \oplus 9 = 91$ and $11 \oplus 11 = 133$, then $20 \oplus 20 =$

Options :

1. ✘ 412

2. ✓ 422

3. ✗ 424

4. ✗ 421

Question Number : 90 Question Id : 9683556173 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

At what time are the hands of clocks together between 6 and 7 ?

Options :

1. ✗ $32\frac{8}{9}$ minutes past 6

2. ✗ $30\frac{8}{11}$ minutes past 6

3. ✓ $31\frac{8}{11}$ minutes past 6

4. ✗ $32\frac{8}{11}$ minutes past 6

Question Number : 91 Question Id : 9683556174 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the 1 September falls on Wednesday, what day will be the 2 December ?

Options :

1. ✘ Sunday

2. ✔ Wednesday

3. ✘ Thursday

4. ✘ Monday

Question Number : 92 Question Id : 9683556175 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In a class of 60 students 25 play basketball , 45 play football and 10 play neither game .What is the number of the students who play both basketball and football ?

Options :

1. ✔ 20

2. ✘ 30

3. ✘ 10

4. ✘ 40

Question Number : 93 Question Id : 9683556176 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A is 6 years older than B who is twice as old as C. If the total ages of A,B and C is 86 years, then the age of B is (in years)

Options :

1. ✓ 32

2. ✗ 30

3. ✗ 34

4. ✗ 28

Question Number : 94 Question Id : 9683556177 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The population in a town is 6000. It increases 20% during the first year and 15% during second year. The population after 2 years will be

Options :

1. ✗ 8380

2. ✓ 8280

3. ✘ 8480

4. ✘ 8680

Question Number : 95 Question Id : 9683556178 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If 40% of a number added to 120 is equal to 80% of the number, then number is

Options :

1. ✘ 400

2. ✘ 200

3. ✘ 100

4. ✔ 300

Question Number : 96 Question Id : 9683556179 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

$$\frac{1}{2 + \frac{1}{3 + \frac{1}{4 + \frac{1}{5}}}} =$$

Options :

1. ✘ $\frac{67}{158}$

2. ✘ $\frac{68}{157}$

3. ✔ $\frac{66}{157}$

4. ✘ $\frac{67}{156}$

Question Number : 97 Question Id : 9683556180 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A,B and C started a business. A invests 3 times as much as B invests and B invests three-fourth of what C invests. Then the ratio of capitals of A,B and C is

Options :

1. ✘ 9:4:3

2. ✘ 9:3:4

3. ✘ 3:4:9

4. ✔ 3:9:4

Question Number : 98 Question Id : 9683556181 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Roja purchased a phone at $\frac{4}{5}$ of its selling price and sold it 12% more than selling price . Her gain in percentage is

Options :

1. ✘ 4

2. ✘ 8

3. ✔ 16

4. ✘ 40

Question Number : 99 Question Id : 9683556182 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

P and Q can complete a piece of work in 18 days. Q alone can complete it in 24 days. In how many days can P alone complete it ?

Options :

1. ✘ 48

2. ✔ 36

3. ✘ 72

4. ✘ 108

Question Number : 100 Question Id : 9683556183 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If 3 men or 4 women can construct a wall in 43 days, then the number of days that 7 men and 5 women take to construct the same wall is

Options :

1. ✔ 18

2. ✘ 16

3. ✘ 12

4. ✘ 20