

# 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.

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

## M.B.A. (5 years Integrated)

Group Number :

1

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

## **PART A**

<b>Section Id :</b>	96835583
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	40
<b>Number of Questions to be attempted :</b>	40
<b>Section Marks :</b>	40
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	968355107
<b>Question Shuffling Allowed :</b>	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  $45^\circ$  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