



# Telangana State Council Higher Education

## 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>	TS ICET URDU 2023 27th May 2023 Shift 2
<b>Subject Name :</b>	TS ICET URDU 2023
<b>Creation Date :</b>	2023-05-27 18:38:33
<b>Duration :</b>	150
<b>Total Marks :</b>	200
<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes
<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?</b>	Yes
<b>Change Font Color :</b>	No
<b>Change Background Color :</b>	No
<b>Change Theme :</b>	No

<b>Help Button :</b>	No
<b>Show Reports :</b>	No
<b>Show Progress Bar :</b>	No

## TS ICET 2023

<b>Group Number :</b>	1
<b>Group Id :</b>	78567419
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	150
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	200
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## Analytical Ability

<b>Section Id :</b>	78567455
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	45
<b>Number of Questions to be attempted :</b>	45
<b>Section Marks :</b>	75
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0

Sub-Section Number : 1  
Sub-Section Id : 785674415  
Question Shuffling Allowed : No  
Is Section Default? : null

Question Id : 7856743745 Question Type : COMPREHENSION Sub Question Shuffling Allowed :  
Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :  
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 20)

Sub questions

Question Number : 1 Question Id : 7856743746 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0

Is  $x > y$ ?

$$x > y$$

(I)  $x^{150} > y^{150}$

(II)  $x^{75} < y^{75}$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 2 Question Id : 7856743747 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0

Find the straight line  $l: ax + by + c = 0$ .

$l: ax + by + c = 0$  خط مستقیم معلوم کرو۔

(I)  $l$  passes through  $(1, 1)$

(1, 1) سے گزرتی ہے۔-I

(II)  $l$  crosses x-axis at  $(2, 0)$

(2, 0) پر x-axis سے کراس کرتی ہے۔-II

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 3 Question Id : 7856743748 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0

What is the value of  $\frac{7x+8y}{9x-4y}$  ?

کی قیمت معلوم کرو۔  $\frac{7x+8y}{9x-4y}$

(I)  $xy = 18$

(II)  $\frac{y}{x} = 3$

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 4 Question Id : 7856743749 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What is the first term of the Arithmetic progression?

حسابی progression کی پہلی میقات کی قیمت معلوم کرو۔

(I) The sum of the first 6 terms of that progression is 78.

I۔ اس progression کے پہلے 6 میقات کی مقدار 78 ہے۔

(II) The sum of the first 10 terms of the progression is 210.

II۔ اس progression کے پہلے 10 میقات کی مقدار 210 ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 5 Question Id : 7856743750 Question Type : MCQ Option Shuffling : No**

**Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time**

**: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What is the highest value of  $n$  such that  $2^n$  divides  $m$ ?

ایک  $n$  کی زیادہ سے زیادہ مقدار جو  $2^n$  ،  $m$  کو تقسیم کرتی ہے۔

(I) 40 divides  $m$ .

I-40 ،  $m$  کو تقسیم کرتا ہے۔

(II) 288 divides  $m$ .

II-288 ،  $m$  کو تقسیم کرتا ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 6 Question Id : 7856743751 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What is the area of the  $\Delta ABC$  ?

ایک مثلث  $\Delta ABC$  کا رقبہ معلوم کرو۔

(I)  $AB + BC = 7$

(II)  $CA = 5$

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 7 Question Id : 7856743752 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0



How much will it cost to put a fence around a rectangular field?

ایک مستطیل نما کھیت کو باڑ لگانے کے لئے اس کا خرچ کیا ہوگا۔

(I) The ratio of the length and breadth of the rectangular field is 8 : 5.

I۔ اس کھیت کی لمبائی اور چوڑائی 5 : 8 کی نسبت ہے۔

(II) The cost of one meter of fence is Rs.100.

II۔ فی میٹر باڑ لگانے کی لاگت 100 روپے ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 8 Question Id : 7856743753 Question Type : MCQ Option Shuffling : No**

**Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time**

**: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Is  $P$ , the father of  $Q$ ?

کیا  $P$  کا والد ہے۔ $Q$

(I)  $Q$  is a daughter of  $P$ .

$P$  کی بیٹی ہے۔ $Q$ -I

(II)  $P$  is the mother-in-law of  $R$ .

$P$ -II کی ساس ہے۔ $R$

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 9 Question Id : 7856743754 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**

If  $pqr > 0$  is  $q^5r^9p^8 < 0$  ?

اگر  $pqr > 0$  ہے تو  $q^5r^9p^8 < 0$  کیسے ہوگا؟

(I)  $r < 0$

(II)  $q > 0$

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 10 Question Id : 7856743755 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What is the volume of a cylinder whose height is 16 cm?

ایک cylinder کا حجم کیا ہوگا جس کی اونچائی 16 cm ہے۔

(I) The cylinder is made of iron.

Cylinder -I لوہے کا بنا ہوا ہے۔

(II) The diameter of the base is 16 cm.

II۔ اس کا نصف قطر 16 cm ہے۔

**Options :**

1. ✘ 1

2. ✔ 2

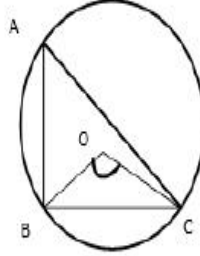
3. ✘ 3

4. ✘ 4

**Question Number : 11 Question Id : 7856743756 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0**

In the adjacent figure, what is  $\angle BOC$  ?

ایک قریبی عدد میں  $\angle BOC$  کیا ہوتا ہے۔



(I)  $\angle BAC = 60^{\circ}$

(II)  $OB = 6 \text{ cm}$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 12 Question Id : 7856743757 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Ramu and Ravi start a business jointly. What is Ramu's share out of an annual profit of Rs.50000.

رامو اور روی دونوں مل کر ایک کاروبار شروع کرتے ہیں۔ رامو کا سالانہ منافع میں حصہ 50000 ہے۔

(I) Ravi's investment is 25% more than Ramu's investment.

I۔ روی کی سرمایہ کاری، رامو کی سرمایہ کاری سے 25% زیادہ ہے۔

(II) Ramu's investment is Rs.175000.

II۔ رامو کا سرمایہ 175000 ہے۔

**Options :**

1. ✓ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

**Question Number : 13 Question Id : 7856743758 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

How many girls are there in that class?

اس کلاس میں کتنی لڑکیاں ہیں۔

(I) The number of boys in the class is 72.

I۔ لڑکوں کی تعداد 72 ہے۔

(II) 12 times number of girls in the class is equal to 7 times number of boys in the class.

II۔ 12 وقت لڑکیوں کی تعداد کلاس میں 7 وقت لڑکوں کی تعداد کے مساوی ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 14 Question Id : 7856743759 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What is the Median of the data containing a set of observations?

حسب ذیل سے وسطانیہ معلوم کرو۔

(I) The Mean of the data is 78.

I۔ مواد کا اوسطانیہ 78 ہے۔

(II) The Mode of the data is 77.

II۔ مواد کا Mode 77 ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 15 Question Id : 7856743760 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0**



What is the product of 5 positive real numbers which are in the Geometric Progression?

5 حقیقی اعداد کا حاصل ضرب کیا ہوگا۔ جو Geometric Progression میں ہیں۔

(I) Sum of the 5 numbers is 386.

I۔ 5 اعداد کی مقدار 386 ہے۔

(II) The third term is 42.

II۔ تیسرے میقات کی تعداد 42 ہے۔

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 16 Question Id : 7856743761 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What day of the week Mr.X birth day comes this year 2023?

اس سال 2023 میں مسٹر X کا یوم پیدائش ہفتہ کے کون سے دن ہوگا۔

(I) Last year his birth day was on Wednesday.

I۔ سال گزشتہ اس کا یوم پیدائش چہار شنبہ کا تھا۔

(II) Mr.X was born in the month of February.

II۔ مسٹر X فروری کے مہینہ میں پیدا ہوا۔

**Options :**

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

**Question Number : 17 Question Id : 7856743762 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Who is the tallest among A, B, C?

A, B, C میں کون سب سے زیادہ لمبا ہے۔

(I) B is the father of C.

B-I 'C کا والد ہے۔

(II) A is the only son of C

A II 'C کا ایک لایا بیٹا ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 18 Question Id : 7856743763 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Is Mr.X intelligent?

کیا مسٹر X ذہین ہے۔

(I) All doctors are intelligents.

I۔ تمام ڈاکٹرس ذہین ہیں۔

(II) Mr.X is an engineer.

II مسٹر X ایک انجینئر ہے۔

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 19 Question Id : 7856743764 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

What is the perimeter of  $\Delta ABC$  ?

perimeter کا  $\Delta ABC$  کیا ہوتا ہے۔

(I)  $AB + BC = 14$

(II)  $AB \cdot BC = 48$

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 20 Question Id : 7856743765 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Who is youngest among  $A, B, C$  ?

A, B, C میں سب سے چھوٹا کون ہے۔

(I)  $B$  is a brother of  $C$ .

C کا بھائی ہے۔ B-I

(II)  $A$  is a daughter of  $B$ .

B کی بیٹی ہے۔ A-II

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Sub-Section Number :**

2

**Sub-Section Id :**

785674416

**Question Shuffling Allowed :**

Yes

**Is Section Default? :**

null

**Question Number : 21 Question Id : 7856743766 Question Type : MCQ Option Shuffling : No**

**Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time**

**: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

AEF : BIJ :: NQR : \_\_\_\_\_

- (1) OUV
- (2) OVU
- (3) UVO
- (4) VUO

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 22 Question Id : 7856743767 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

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APRIL : 64 :: JULY : \_\_\_\_\_

- (1) 248
- (2) 343
- (3) 363
- (4) 412

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 23 Question Id : 7856743768 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب



In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

MANGO : QIPCO :: ORANGE : \_\_\_\_\_

- (1) GIPCTE
- (2) OIPCTE
- (3) GIPCTQ
- (4) OIPCTQ

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 24 Question Id : 7856743769 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

\_\_\_\_\_ : HDGF :: FILM : ADGH

- (1) LINK
- (2) BALD
- (3) NAME
- (4) MILK

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 25 Question Id : 7856743770 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

$L \otimes M : 12 \otimes 13 :: \underline{\hspace{2cm}} : 21 \otimes 23$

- (1)  $U \otimes W$
- (2)  $U \otimes X$
- (3)  $V \otimes W$
- (4)  $V \otimes X$

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 26 Question Id : 7856743771 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

GKXP : \_\_\_\_\_ :: FLTR : CRQX

- (1) CPTU
- (2) DQUV
- (3) DRVX
- (4) CQSZ

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 27 Question Id : 7856743772 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

$$2^3 3^4 : 20 :: 5^4 7^5 : \underline{\hspace{2cm}}$$

- (1) 35
- (2) 27
- (3) 29
- (4) 30

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 28 Question Id : 7856743773 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

$$14(2) : 30(3) :: 330 (\quad) : 105(3)$$

- (1) 2
- (2) 4
- (3) 3
- (4) 5

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 29 Question Id : 7856743774 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

$D \otimes F \otimes H : 4 \otimes 6 \otimes 8 :: \underline{\hspace{2cm}} : 22 \otimes 24 \otimes 26$

- (1)  $U \otimes V \otimes W$
- (2)  $V \otimes W \otimes X$
- (3)  $X \otimes Y \otimes Z$
- (4)  $V \otimes X \otimes Z$

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 30 Question Id : 7856743775 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

In the questions 21-30, each contains two pairs of groups (of letters or letters and numbers). The pattern that appears in one pair should be followed by the other pair also. Observe the pattern carefully and fill in the blanks appropriately.

سوالات-21-30 میں ہر سوال گروپ کے دو جوڑی پر مشتمل ہے (حروف سے تعداد) ایک جوڑی کے نمونے کو دوسری جوڑی کے نمونے سے دیکھا جائے۔ حسب ذیل کو غور سے پڑھ کر خالی جگہوں کو پُر کیا جائے۔

ABCdef : DEFghi :: PQRstu : \_\_\_\_\_

- (1) XYZxyz
- (2) YZAyza
- (3) STUvwx
- (4) TUVtuv

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Sub-Section Number :** 3  
**Sub-Section Id :** 785674417  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 31 Question Id : 7856743776 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**



## Problem Solving

سوالات مطلوب

Note : Inquestions numbered 31 to 35 pick the odd thing out

نوٹ: سوالات 31-35 کو منتخب کر کے جوابات دیئے جائیں۔

$$x^2 + x + 1 = 0, \quad x^2 + 4x + 4 = 0, \quad x^2 + 6x + 9 = 0, \\ x^2 + 8x + 16 = 0, \quad x^2 + 12x + 36 = 0, \quad x^2 + 14x + 49 = 0$$

- (1)  $x^2 + x + 1 = 0$
- (2)  $x^2 + 4x + 4 = 0$
- (3)  $x^2 + 6x + 9 = 0$
- (4)  $x^2 + 8x + 16 = 0$

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 32 Question Id : 7856743777 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

Note : Inquestions numbered 31 to 35 pick the odd thing out

نوٹ: سوالات 31-35 کو منتخب کر کے جوابات دیئے جائیں۔

CROW, PIGEON, HEN, PARROT, KING FISHER

- (1) CROW
- (2) PIGEON
- (3) HEN
- (4) PARROT

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 33 Question Id : 7856743778 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

Note : In questions numbered 31 to 35 pick the odd thing out

نوٹ: سوالات 31-35 کو منتخب کر کے جوابات دیئے جائیں۔

1, 2, 5; 2, 3, 8; 3, 5, 17; 5, 7, 37; 11, 13, 145; 13, 17, 223; 17, 19, 325

- (1) 1, 2, 5
- (2) 2, 3, 8
- (3) 5, 7, 37
- (4) 17, 19, 325

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 34 Question Id : 7856743779 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : In questions numbered 31 to 35 pick the odd thing out

نوٹ: سوالات 31-35 کو منتخب کر کے جوابات دیئے جائیں۔

(3, 4, 5), (9, 40, 41), (15, 112, 113), (11, 60, 61), (21, 220, 221), (13, 84, 85),  
(11, 61, 62)

- (1) (15, 112, 113)
- (2) (11, 60, 61)
- (3) (11, 61, 62)
- (4) (21, 220, 221)

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 35 Question Id : 7856743780 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : In questions numbered 31 to 35 pick the odd thing out

نوٹ: سوالات 31-35 کو منتخب کر کے جوابات دیئے جائیں۔

Lake, Pond, Pool, Tank, Brook, Sump

- (1) Lake
- (2) Brook
- (3) Pond
- (4) Tank

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

<b>Sub-Section Number :</b>	4
<b>Sub-Section Id :</b>	785674418
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 36 Question Id : 7856743781 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

1,  $\frac{4}{3}, \frac{5}{3}, \text{---}, \frac{7}{3}, \frac{8}{3}, 3$  is

(1)  $\frac{10}{3}$

(2) 2

(3)  $\frac{11}{3}$

(4) 4

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 37 Question Id : 7856743782 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

196, 16, 144, 36, \_\_\_\_\_, 64, 64, 100, 36, 144

- (1) 72
- (2) 86
- (3) 94
- (4) 100

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 38 Question Id : 7856743783 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

250,  $166\frac{2}{3}$ , 125, 100,  $83\frac{1}{3}$ , \_\_\_\_\_,  $62\frac{1}{2}$

(1)  $71\frac{3}{7}$

(2)  $73\frac{1}{3}$

(3)  $75\frac{2}{3}$

(4)  $76\frac{1}{7}$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 39 Question Id : 7856743784 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔



0, 6, 24, 60, 120, 210, \_\_\_\_\_, 504, 720

- (1) 280
- (2) 292
- (3) 336
- (4) 372

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 40 Question Id : 7856743785 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

9, 25, 49, 121, 169, \_\_\_\_\_, 361

- (1) 289
- (2) 194
- (3) 285
- (4) 296

**Options :**

- 1. ✓ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 41 Question Id : 7856743786 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

$$\frac{5}{7}, \frac{3}{14}, \frac{-2}{7}, \frac{-11}{14}, \frac{-9}{7}, \frac{-25}{14}, \text{---}$$

(1)  $\frac{-13}{7}$

(2)  $\frac{-16}{7}$

(3)  $\frac{-15}{7}$

(4)  $\frac{-18}{7}$

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 42 Question Id : 7856743787 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**Problem Solving**

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

2187, -729, 243, -81, \_\_\_\_\_, -9, 3, -1

- (1) 36
- (2) 27
- (3) -36
- (4) -27

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 43 Question Id : 7856743788 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

6, 24, 60, 120, 210, \_\_\_\_\_, 504, 720

- (1) 294
- (2) 316
- (3) 320
- (4) 336

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 44 Question Id : 7856743789 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

$$0, \frac{3}{5}, \frac{4}{5}, \frac{15}{17}, \frac{12}{13}, \frac{35}{37}, \text{---}, \frac{63}{65}, \frac{40}{41}$$

(1)  $\frac{24}{25}$

(2)  $\frac{31}{32}$

(3)  $\frac{42}{43}$

(4)  $\frac{56}{57}$

**Options :**

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

**Question Number : 45 Question Id : 7856743790 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

Note : Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

نوٹ: 36-45 میں ہر ایک کا ایک علیحدہ نمونہ ہے۔ غور سے پڑھ کر خالی جگہوں کو پُر کرو۔

5, 7, 11, 19, 35, \_\_\_\_\_, 131, 259, 515

- (1) 67
- (2) 82
- (3) 96
- (4) 120

**Options :**

- 1. ✓ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

**Sub-Section Number :** 5  
**Sub-Section Id :** 785674419  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Id : 7856743791 Question Type : COMPREHENSION Sub Question Shuffling Allowed :  
Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :  
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (46 to 48)**

Problem Solving

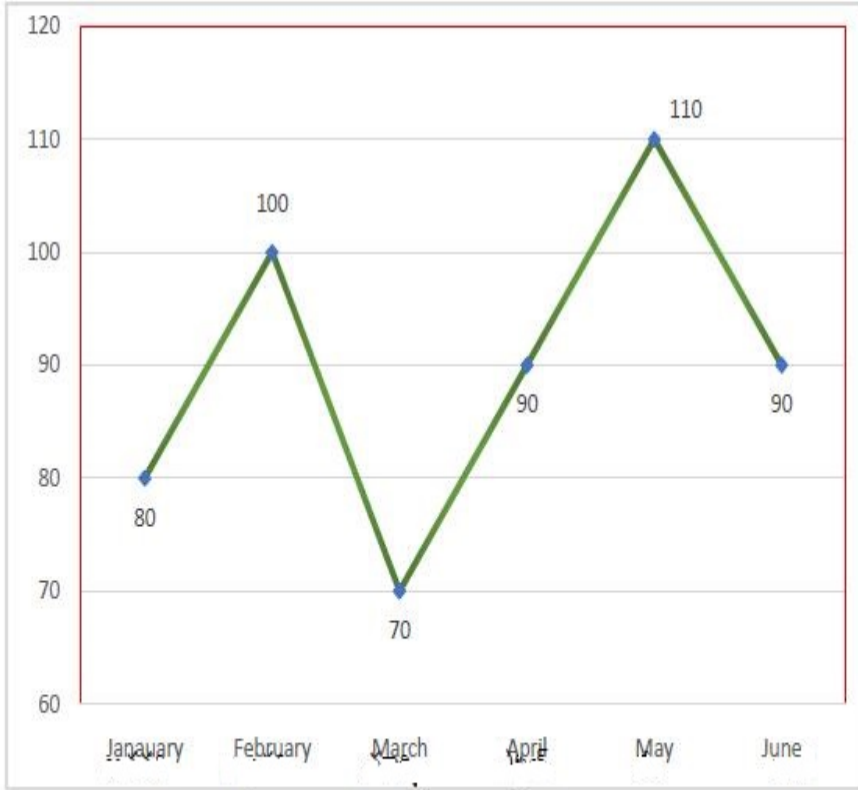
سوالات مطلوب

(b) Data Analysis

(b) - موادى تجزيه

The graph below shows the exports of a metal by a company in the months January to June (in thousand tons). Based on the information answer the questions 46 to 48.

46 تا 48 کے سوالوں کے جوابات دیجئے۔  
حسب ذیل گراف میں ایک میٹل کمپنی برآمدات کی تفصیل دی گئی ہے۔ جو جنوری تا جون ہے۔ اس بنیاد پر 46 تا 48



### Sub questions

Question Number : 46 Question Id : 7856743792 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - مواد کی تجزیہ



The percentage increase in the exports in the month of May over the month of January is

جنوری کے مقابلے میں، ماہ مئی میں exports میں فیصد اضافہ زیادہ ہوا ہے۔

(1)  $36\frac{4}{11}$

(2)  $37\frac{1}{2}$

(3)  $57\frac{1}{7}$

(4)  $63\frac{1}{7}$

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 47 Question Id : 7856743793 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**Problem Solving**

سوالات مطلوب

(b) Data Analysis

(b) - مواد تجزیہ

The percentage of decrease in exports in March compared to the February month is

ماہ فیبروری کے مقابلے میں مارچ میں exports میں کافی گراوٹ آئی ہے۔

(1)  $42\frac{6}{7}$

(2) 30

(3)  $37\frac{1}{3}$

(4) 45

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 48 Question Id : 7856743794 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادی تجزیہ

The average exports per month ( in thousand tons) in the given period is

اوسط برآمدات فی ماہ۔ ایک دیئے ہوئے میقات میں ہوتا ہے۔

- (1) 90
- (2) 108
- (3) 30
- (4)  $6\frac{2}{3}$

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Sub-Section Number : 6  
Sub-Section Id : 785674420  
Question Shuffling Allowed : No  
Is Section Default? : null

Question Id : 7856743795 Question Type : COMPREHENSION Sub Question Shuffling Allowed :  
Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :  
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (49 to 51)  
Problem Solving

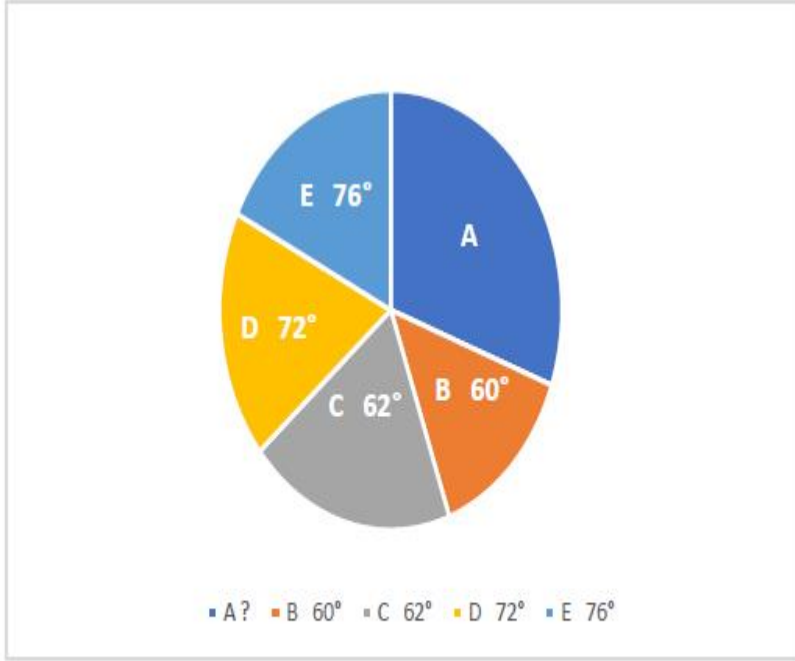
سوالات مطلوب

(b) Data Analysis

(b) - مواد تجزیہ

The budget allocation of a civic corporation in a year under 5 major heads A, B, C, D and E are depicted in the Pie chart. Based on the data answer the questions 49 to 51.

کسی سال کے 5 بڑے مدآت میں ایک سیول کارپوریشن کو allocation ہوا بجٹ دیا گیا ہے۔ وہ بڑے مدآت A, B, C ہیں۔  
E اور D کو چارٹ میں ظاہر کیا گیا ہے۔ اسی بنیاد پر سوالات 49 تا 51 جو ابات دیجئے۔



### Sub questions

Question Number : 49 Question Id : 7856743796 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادی تجزیہ

If the budget allocation under D is Rs.150 crores, what is the total budget of the corporation (in crores of rupees) ?

بجٹ کی تقسیم میں D کے تحت سالانہ 150 کروڑ روپیہ ہے۔ کارپوریشن کا جملہ بجٹ کیا ہے۔ معلوم کرو۔

- (1) 1250
- (2) 1000
- (3) 900
- (4) 750

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 50 Question Id : 7856743797 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادی تجزیہ

Out of the total budget what is the percentage of the budget allocated to the heads B and E together?

جملہ بجٹ میں B اور E مدآت پر الاٹ کئے ہوئے بجٹ میں کی مقدار کیا ہے۔

(1)  $37\frac{7}{9}$

(2)  $36\frac{4}{9}$

(3)  $35\frac{2}{9}$

(4)  $34\frac{1}{9}$

**Options :**

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

**Question Number : 51 Question Id : 7856743798 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادی تجزیہ

Which head receives  $\frac{1}{4}$  of the total budget?

کونے 'مد' پر  $\frac{1}{4}$  جملہ بجٹ کا حصہ دیا گیا ہے۔

- (1) B
- (2) A
- (3) C
- (4) D

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Sub-Section Number :**

7

**Sub-Section Id :**

785674421

**Question Shuffling Allowed :**

No

**Is Section Default? :**

null

**Question Id : 7856743799 Question Type : COMPREHENSION Sub Question Shuffling Allowed :**

**Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :**

**None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (52 to 55)**

Problem Solving

سوالات مطلوب

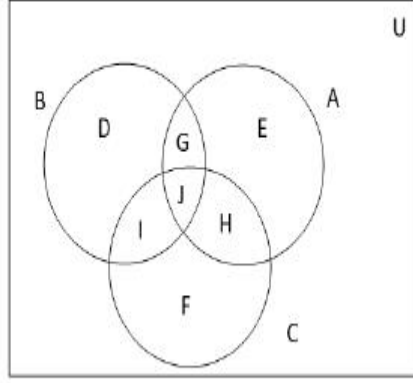
(b) Data Analysis

(b) - موادى تجزیہ



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In the Venn-diagram the sets U, A, B and C are defined as follows:



$$U = \{x | x \text{ is a natural number and } x \leq 30\}$$

$$A = \{x | x \in U \text{ and } x \text{ is odd}\}$$

$$B = \{x | x \in U \text{ and } x \text{ is even}\}$$

$$C = \{x | x \in U \text{ and } x \text{ is multiple of } 3\}$$

Based on this data answer the questions 52 to 55

ایک Venn-diagram میں سیٹ U, A, B اور C کو حسب ذیل میں بیان کیا گیا ہے۔

$$U = \{x | x \text{ ایک حقیقی عدد ہے۔ } x \leq 30\}$$

$$A = \{x | x \in U \text{ اور } x \text{ طاق عدد}\}$$

$$B = \{x | x \in U \text{ اور } x \text{ جفت عدد}\}$$

$$C = \{x | x \in U \text{ اور } x \text{ مقصوم عدد } 3 \text{ اور } x\}$$

اس مواد کی مدد سے سوالات 52 تا 55 کے جوابات دیجئے۔

### Sub questions

**Question Number : 52 Question Id : 7856743800 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادی تجزیہ



In the Venn diagram which are the null sets ?

دیئے گئے Venn diagram میں null sets کون سے ہیں۔

- (1) G only
- (2) J only
- (3) G U J only
- (4) G U J U F only

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 53 Question Id : 7856743801 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادی تجزیہ

Which of the following sets have equal number of elements ?

حسب ذیل میں سے کونسے سیٹ مساوی عناصر رکھتے ہیں۔

- (1) I, H
- (2) D, H
- (3) I, E
- (4) E, F

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 54 Question Id : 7856743802 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - مواد تجزیہ

If  $n(X)$  denotes the number of elements in the set  $X$ , then  $n(D \cup E \cup F) =$

اگر  $n(X)$  'سٹ  $X$  میں دیئے گئے عناصر کی تعداد بتائی گئی ہے۔ تب  $n(D \cup E \cup F) =$

- (1) 10
- (2) 20
- (3) 25
- (4) 30

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 55 Question Id : 7856743803 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(b) Data Analysis

(b) - موادى تجزیہ

If  $n(X)$  denotes the number of elements in  $X$ , then  $n(U - (A \cup C)) =$

اگر  $n(X)$  میں دیئے گئے عناصر کو ظاہر کرتا ہے تو۔  $n(U - (A \cup C)) =$

- (1) 0
- (2) 5
- (3) 10
- (4) 15

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Sub-Section Number :** 8  
**Sub-Section Id :** 785674422  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Id : 7856743804 Question Type : COMPREHENSION Sub Question Shuffling Allowed :  
Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :  
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (56 to 60)**  
Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈیکوڈنگ سوالات

The letters of English alphabet are coded as follows:

- (i) First 13 letters A, B, C, D, ... , M are to be coded respectively to M, L, K, J, ... , A (in reverse order).
- (ii) Remaining 13 letters N, O, P, Q, ... , Z are to be coded respectively to Z, Y, X, W, ... , N (in reverse order).
- (iii) For decoding the reverse process has to be followed.

Based on this data answer the questions 56 to 60.

انگریزی کے حروف حسب ذیل میں کوڈ کئے گئے ہیں۔

(i) پہلے 13 حروف A, B, C, D, ... , M کو A, L, K, J, ... , M (الٹی ترتیب میں)

(ii) باقی 13 حروف N, O, P, Q, ... , Z کو Z, Y, X, W, ... , N

(iii) Decoding کے لئے الٹا طریقہ اختیار کیا جائے۔

اسی بنیاد پر سوالات 56 تا 60 کے جوابات دیجئے

### Sub questions

Question Number : 56 Question Id : 7856743805 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈیکوڈنگ سوالات

What is the code for MARKETING?

MARKETING کا کوڈ کیا ہے۔

- (1) AMVCITEZG
- (2) ANWDIUCZG
- (3) AMUCITBYG
- (4) ARXEISCVG

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 57 Question Id : 7856743806 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈیکوڈنگ سوالات

What is the code for word CONSUMER ?

لفظ CONSUMER کے لئے کوڈ کیا ہے۔

- (1) KZYVTSBE
- (2) KYZUSAIV
- (3) KXUZTBVI
- (4) KUZXBVTE

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 58 Question Id : 7856743807 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈی کوڈنگ سوالات

What is the code word for BUSINESS ?

BUSINESS کے لئے کوڈ کیا ہے۔

- (1) MTWDAIXX
- (2) LSVEZIVV
- (3) LSUEZIUU
- (4) MTVDAIYY

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 59 Question Id : 7856743808 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈیکوڈنگ سوالات



What are the letters that remained unchanged (left invariant) after the coding?

وہ کونسے حروف ہیں جو کوڈنگ کے بعد تبدیل نہیں ہوتے۔

(1) A, Z

(2) M, N

(3) J, W

(4) T, G

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 60 Question Id : 7856743809 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈی کوڈنگ سوالات

Which word is coded as THUMHE ?

کون سے لفظ کو THUMHE کے طور پر کوڈ کیا گیا ہے۔

- (1) TFASIF
- (2) TFASIA
- (3) TFSAFJ
- (4) TFSAFI

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Sub-Section Number :**

9

**Sub-Section Id :**

785674423

**Question Shuffling Allowed :**

Yes

**Is Section Default? :**

null

**Question Number : 61 Question Id : 7856743810 Question Type : MCQ Option Shuffling : No**

**Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time**

**: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**Problem Solving**

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈی کوڈنگ سوالات



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If VIRUS is coded as UHQTR then the code for MASK is

اگر VIRUS کو UHQTR کے طور پر code کیا جائے تو MASK کے لئے کوڈ کیا ہوگا۔

- (1) LZRJ
- (2) LRZJ
- (3) LJRZ
- (4) LZJR

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 62 Question Id : 7856743811 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈی کوڈنگ سوالات

The PINK is coded as JQLO then BLUE is coded as

اگر PINK کو JQLO کوڈ کیا جائے تو BLUE کو کیا کوڈ دیا جائے۔

- (1) XNUE
- (2) XNEU
- (3) XUNE
- (4) XEUN

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 63 Question Id : 7856743812 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈیکوڈنگ سوالات

In a code language if TRAIN is coded as UQBHO, then PLACE is coded in that language as

کوڈنگ کی زبان میں اگر TRAIN کو UQBHO کوڈ کیا جائے تو PLACE کو کیا کوڈ کیا جائے گا۔

- (1) QKBAD
- (2) OMBDF
- (3) OKAZH
- (4) QKBBF

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 64 Question Id : 7856743813 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈی کوڈنگ سوالات

REJECTION is coded as SGMHIZPWW then in the same code language the word MECHANIC is coded as

اگر REJECTION کو SGMHIZPWW کوڈ کیا جائے تو اس زبان میں MECHANIC کو کیا کوڈ کیا جائے گا۔

- (1) NGFLFTP K
- (2) NGPLFTP K
- (3) NGFKFTP K
- (4) NGPTPKIL

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 65 Question Id : 7856743814 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(c) Coding and Decoding Problems

(c) - کوڈنگ اور ڈیکوڈنگ سوالات

If SWEDEN is coded as 123435 and GLAND is coded as 67854, then the code for ENGLAND is

اگر SWEDEN کو 123435 کوڈ کیا جائے اور GLAND کو 67854 کوڈ کیا جائے تو ENGLAND کو کیا کوڈ کیا جائے گا۔

- (1) 3567854
- (2) 1267854
- (3) 3267854
- (4) 1367854

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Sub-Section Number :** 10  
**Sub-Section Id :** 785674424  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 66 Question Id : 7856743815 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب



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(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

Which day falls on 18<sup>th</sup> August 2022?

18<sup>th</sup> اگست 2022 کو کونسا دن آئے گا۔

- |     |           |          |
|-----|-----------|----------|
| (1) | Thursday  | جمعرات   |
| (2) | Tuesday   | منگل     |
| (3) | Wednesday | چار شنبہ |
| (4) | Friday    | جمعہ     |

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 67 Question Id : 7856743816 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات



What is the angle between the hour hand and minute hand in the wall clock when the time shown in the clock is 8.25 am?

وہ کونسا زاویہ ہے جو گھڑی میں گھنٹے اور منٹ کے درمیان فرق بتلاتا ہے۔ جب کہ اس گھڑی میں وقت صبح کے 8.25 منٹ ہوں۔

- (1)  $98^\circ$
- (2)  $100.5^\circ$
- (3)  $102.5^\circ$
- (4)  $115^\circ$

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 68 Question Id : 7856743817 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**Problem Solving**

سوالات مطلوب

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

The time between 9 O'clock and 10 O'clock at which both hands of a clock are together is

9 بجے اور 10 بجے کسی گھڑی میں دونوں کانٹے یکساں تھ مبطن ہوتے ہیں؟۔

(1)  $49\frac{1}{11}$  min. past 9 O'clock

49  $\frac{1}{11}$  منٹ 9 بجے

(2)  $48\frac{2}{11}$  min. past 9 O'clock

48  $\frac{2}{11}$  منٹ 9 بجے

(3) 50 min. past 9 O'clock

50 منٹ 9 بجے

(4) 45 min. ast 9 O'clock

45 منٹ 9 بجے

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 69 Question Id : 7856743818 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving

سوالات مطلوب

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات



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If X is mother of Y, Y is father of Z and P is a sister of Z, then P is related to X as

اگر X، Y کی ماں ہے اور Y، Z کا والد ہے۔ اور P، X کی بہن ہے تب P اور X میں کیا رشتہ ہے۔

- (1) Grand mother
- (2) Grand daughter
- (3) Niece
- (4) Maternal aunt

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 70 Question Id : 7856743819 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

Rita comes to Railway station at 10.20 am and finds that she is 40 minutes early. But the train is running 20 minutes late. What is the right schedule time of arrival of the train?

ریٹا ریلوے اسٹیشن کو 10.20 بجے دن کے آتی ہے اور یہ محسوس کرتی ہے کہ وہ 40 منٹ پہلے آئی ہے۔ لیکن ٹرین 20 منٹ تاخیر سے چلتی ہے۔ ٹرین کا اصل پہنچنے کا وقت کیا ہے۔

- (1) 10.50 am
- (2) 10.40 am
- (3) 10.35 am
- (4) 10.30 am

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 71 Question Id : 7856743820 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

A person starts from the point P at 9.20 am and travelling with a speed of 45 kmph, he reaches the point Q at 10.40 am. Had he travelled with a speed of 75 kmph instead of 45 kmph, the time of arrival at the point Q is

ایک شخص 9.20 منٹ پر ایک مقام P سے نکلتا ہے۔ اور 45 کلومیٹر فی گھنٹہ کی رفتار سے رفتار کرتی ہے وہ Q مقام پر 10.40 پر پہنچتی ہے۔ اگر وہ 75 کلومیٹر فی گھنٹہ کی رفتار سے چلتی ہے تو Q پر ٹرین کے پہنچنے کا وقت کیا ہے۔

- (1) 9.56 am
- (2) 10.12 am
- (3) 10.08 am
- (4) 10.00 am

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 72 Question Id : 7856743821 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Problem Solving

سوالات مطلوب

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

Six members of a family A, B, C, D, E and F are sitting around a table all facing the centre of the table such that

- (i) A is directly opposite of B and to the immediate right of C
- (ii) E is not next to A or F
- (iii) B is to the immediate left of F and immediate right of E;
- (iv) D is between A and B;

What the order of their seating arrangement starting from A to the right?

ایک خاندان کے 6 افراد A, B, C, D, E اور F بول اس طرح بیٹھنے کا مرکز سیٹس ہوتا ہے۔

(i) 'A کے بالکل مخالف بیٹھتا ہے اور C کے بالکل سیدھی جانب ہوتا ہے۔

(ii) 'E کے A کے F کے دائیں جانب ہوتا ہے۔

(iii) بالکل F کے بائیں بازو اور E کے دائیں بازو ہے۔

(iv) 'D اور A کے درمیان ہے۔

- (1) ABCDEF
- (2) ACBFED
- (3) ACFDEB
- (4) ACFBED

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 73 Question Id : 7856743822 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

## (d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

Let a, b be any two real numbers. If  $a * b = a^2 + b$ ,  $a \Delta b = \frac{a-b}{a+b}$ , then

$$(3 * 4) * (4 \Delta 2) =$$

$$(3 * 4) * (4 \Delta 2) = \text{فرض کرو کہ 'a' b دو حقیقی اعداد ہیں۔} \quad a * b = a^2 + b, \quad a \Delta b = \frac{a-b}{a+b}$$

(1)  $\frac{508}{3}$

(2)  $\frac{307}{3}$

(3)  $\frac{208}{3}$

(4)  $\frac{305}{3}$

## Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 74 Question Id : 7856743823 Question Type : MCQ Option Shuffling : No  
 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

If  $\otimes$  and  $\odot$  are defined by  $p \otimes q = \sqrt{pq} + \frac{1}{\sqrt{pq}}$  and  $p \odot q = \sqrt{pq} - \frac{1}{\sqrt{pq}}$

$$p \odot q = \sqrt{pq} - \frac{1}{\sqrt{pq}} \text{ تب } p \otimes q = \sqrt{pq} + \frac{1}{\sqrt{pq}} \text{ اگر } \otimes \text{ اور } \odot \text{ کو}$$

- (1) 30
- (2)  $\frac{1}{30}$
- (3)  $\sqrt{30}$
- (4)  $\frac{1}{\sqrt{30}}$

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 75 Question Id : 7856743824 Question Type : MCQ Option Shuffling : No  
 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Problem Solving





(d) Date, Time and Arrangement Problems

(d) - تاریخ، وقت سوالات

For positive integers  $m, n$ , define  $m \otimes n = 2m + 3n + 1$  and  $m \odot n = m^2n$  then  $(3 \otimes 2) \odot (4 \otimes 1) =$

ایک مثبت integers  $m, n$  کی تعریف  $m \otimes n = 2m + 3n + 1$ ،  $m \odot n = m^2n$  تب  
 $(3 \otimes 2) \odot (4 \otimes 1) =$

- (1) 1356
- (2) 2028
- (3) 1014
- (4) 1756

**Options :**

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

## Mathematical Ability

Section Id :	78567456
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75

Section Marks :	75
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	785674425
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 76 Question Id : 7856743825 Question Type : MCQ Option Shuffling : No  
 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I- حسابی قابلیت

If  $a^x = b^y = c^4$  and  $abc = 1$ , then  $\frac{xy}{x+y} =$

$$\frac{xy}{x+y} = \frac{1}{4} \text{ اگر } a^x = b^y = c^4 \text{ اور } abc = 1$$

- (1) 4
- (2)  $\frac{1}{4}$
- (3) -4
- (4)  $-\frac{1}{4}$

Options :

1. ✘ 1

2. ✘ 2

3. ✓ 3

4. ✘ 4

Question Number : 77 Question Id : 7856743826 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I. حسابی قابلیت

If  $27^{x+1} = 9^{x+3} = 3^y$ , then  $2x + 3y =$

$$27^{x+1} = 9^{x+3} = 3^y \text{ اگر } 2x + 3y =$$

- (1) 30
- (2) 42
- (3) 36
- (4) 39

Options :

1. ✘ 1

2. ✓ 2

3. ✘ 3

4. ✘ 4

Question Number : 78 Question Id : 7856743827 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I. حسابی قابلیت

If  $a:b = 2:3$  and  $b:c = 4:5$ , then  $(a+b):(b+c) =$

اگر  $a:b = 2:3$  اور  $b:c = 4:5$  ہے تو  $(a+b):(b+c) =$

- (1) 20 : 27
- (2) 12 : 21
- (3) 8 : 15
- (4) 5 : 9

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 79 Question Id : 7856743828 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I. حسابی قابلیت

A vessel contains 100 litres of mixture of two liquids A and B in the ratio 3 : 1. How many litres of the liquid B is to be added to the vessel to make the ratio of A : B as 1 : 3 ?

ایک vessel میں 100 لیٹرس کے دو مرکبات A اور B کی نسبت 3 : 1 ہے۔ B کی کس قدر مقدار کو vessel میں جمع کیا جائے تاکہ A : B کی نسبت کو 1 : 3 کیا جاسکے۔

- (1) 200
- (2) 175
- (3) 150
- (4) 100

**Options :**

- 1. ✓ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 80 Question Id : 7856743829 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

I. حسابی قابلیت

If  $x = 3\sqrt{3} + \sqrt{26}$ , then  $x^2 + \frac{1}{x^2} =$

$$x = 3\sqrt{3} + \sqrt{26} \text{ تہ } x^2 + \frac{1}{x^2} = \text{اگر}$$

- (1) 106
- (2) 53
- (3) 108
- (4) 52

**Options :**

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

**Question Number : 81 Question Id : 7856743830 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I- حسابی قابلیت

$$\sqrt{9 + 2\sqrt{6} - 4\sqrt{2} - 4\sqrt{3}} =$$

- (1)  $\sqrt{3} + \sqrt{2} - 2$
- (2)  $\sqrt{3} - \sqrt{2} - 2$
- (3)  $\sqrt{3} + \sqrt{2} + 2$
- (4)  $\sqrt{3} - \sqrt{2} + 2$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 82 Question Id : 7856743831 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I. حسابی قابلیت

The remainder when  $2^{92}$  is divided by 7 is

بتاؤ کہ اگر remainder  $2^{92}$  کو 7 سے تقسیم کیا جائے تو

- (1) 3
- (2) 4
- (3) 5
- (4) 6

Options :

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

Question Number : 83 Question Id : 7856743832 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

-I حسابی قابلیت



The number of all 4-digit numbers divisible by either 12 or 15 is

4 ہندسوں والے اعداد جو 12 یا 15 سے قابل تقسیم ہیں ہوتے ہیں۔

- (1) 1350
- (2) 1300
- (3) 1250
- (4) 1200

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 84 Question Id : 7856743833 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I- حسابی قابلیت

If the sum of two positive integers, each greater than 37 is 296 and if their GCD is 37, then their difference is

اگر دو مثبت integers کا مجموعہ 296 سے بڑا ہے وہ 296 ہے اور ان کا فرق 37 ہے تو ان میں کتنا فرق ہے۔

- (1) 111
- (2) 81
- (3) 74
- (4) 64

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 85 Question Id : 7856743834 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

-I حسابی قابلیت

The smallest number to be subtracted from 3000 so that the resulting number is divisible by 7, 11, and 13 is

وہ کم سے کم عدد جو 3000 سے منہا کیا جانے پر برآمد ہونے والا نتیجہ '7'، '11'، '13' سے قابل تقسیم ہوتا ہے۔

- (1) 998
- (2) 975
- (3) 963
- (4) 875

**Options :**

- 1. ✓ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 86 Question Id : 7856743835 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

-I حسابی قابلیت

$$5 + \frac{2}{7 + \frac{3}{8 + \frac{4}{9}}} = \frac{p}{q} \implies \frac{2p+q}{2q+p} =$$

(1)  $\frac{2151}{1355}$

(2)  $\frac{2064}{1355}$

(3)  $\frac{1848}{925}$

(4)  $\frac{516}{305}$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 87 Question Id : 7856743836 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I. حسابی قابلیت

$$0.\bar{3} + 0.\bar{4} + 0.\bar{7} =$$

- (1)  $\frac{8}{9}$
- (2)  $\frac{13}{9}$
- (3)  $\frac{14}{9}$
- (4)  $\frac{17}{9}$

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 88 Question Id : 7856743837 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I. حسابی قابلیت

Ascending order of  $a = \frac{23}{25}$ ,  $b = \frac{14}{15}$ ,  $c = \frac{31}{32}$  and  $d = \frac{43}{45}$

کم ہونے والے اعداد کا تسلسل

$$a = \frac{23}{25}, b = \frac{14}{15}, c = \frac{31}{32}, d = \frac{43}{45}$$

- (1)  $c, d, b, a$
- (2)  $b, a, d, c$
- (3)  $a, b, d, c$
- (4)  $c, a, d, b$

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 89 Question Id : 7856743838 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

-I حسابی قابلیت

The largest among the following rational numbers is

حسب ذیل rational اعداد میں سب سے بڑا عدد ہوتا ہے۔

$$\frac{8}{13}, \frac{5}{12}, \frac{9}{11}, \frac{7}{15}$$

(1)  $\frac{5}{12}$

(2)  $\frac{7}{15}$

(3)  $\frac{8}{13}$

(4)  $\frac{9}{11}$

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 90 Question Id : 7856743839 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I- حسابی قابلیت

In a fraction, if the numerator is increased by 20% and the denominator is decreased by 20%, then the percentage by which the fraction increased is

ایک کسر میں اگر numerator کو 20% تک بڑھا دیا جائے اور denominator کو 20% تک کم کر دیا جائے تو تب وہ فیصدی کیا ہے جس سے کسر میں اضافہ ہوتا ہے۔

- (1) 24
- (2) 30
- (3) 48
- (4) 50

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 91 Question Id : 7856743840 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I. حسابی قابلیت



The present population of a city is 1452000. It is increased by 10% each year in the last 2 years and by 20% in the last third year. Then the increase in population of the city during the last three years was

ایک شہر کی موجودہ آبادی 1452000 ہے اس میں ہر سال 10% فیصد کا اضافہ ہوتا ہے۔ گزشتہ 2 سالوں میں اور آخری تیسرے سال 20% کا اضافہ ہوتا ہے۔ تب شہر میں گزشتہ 3 سالوں میں آبادی میں کتنا اضافہ ہوا ہے۔

- (1) 380000
- (2) 412000
- (3) 424000
- (4) 452000

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 92 Question Id : 7856743841 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

-I. حسابی قابلیت

A real estate agent sold two properties A and B each for Rs.391 lakhs. On the first deal A he makes a profit of 15% and on the other B a loss of 15%. What is the final outcome of this transaction?

ایک real estate agent دو نمونوں جائیدادوں A اور B کو 391 لاکھ فی جائیداد فروخت کرتا ہے۔ پہلے فروخت میں A کو 15% فیصد نفع حاصل ہوتا ہے اور جائیداد B پر 15% کا نقصان ہوتا ہے۔ سودے کا آخری نتیجہ کیا ہوتا ہے۔

- (1) Profit of 5%      5% کا نفع
- (2) Loss of 5%      5% کا نقصان
- (3) Loss of 2.25 %      2.25% کا نقصان
- (4) Profit of 2.25%      2.25% کا نفع

Options :

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

Question Number : 93 Question Id : 7856743842 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I- حسابی قابلیت

When the prices of onions were reduced by 20%, a person could buy 10 kgs more for Rs.1000. What was the original price of onions per kg?(in rupees)

اگر پیاز کی قیمتوں میں 20% کی کمی ہوتی ہے تو ایک شخص 10 کلو پیاز 1000 روپوں میں خریدتا ہے۔ پیاز کی اصلی قیمت فی کلو کیا ہوگی۔

- (1) 25
- (2) 24
- (3) 23
- (4) 22

**Options :**

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

**Question Number : 94 Question Id : 7856743843 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

-I حسابی قابلیت

Two persons P and Q started a business with investments in the ratio 4 : 5 respectively. After 10 months, Q left the business. After 5 more months P left the business and R joined it by investing Rs.64000 more than P's investment. If at the end of 20 months, the respective ratio between the profit share of P to that of Q and R together is 2 : 3, then the investment of P and Q together ( in Rupees ) is

P اور Q ایک کاروبار میں سرمایہ کاری 4 : 5 کی نسبت میں لگاتے ہیں۔ 10 مہینوں کے بعد Q کاروبار سے ہٹ جاتا ہے۔ 5 مہینوں بعد کاروبار سے ہٹ جاتا ہے اور R کاروبار میں داخلہ لیتا ہے جس کی سرمایہ کاری 64000 ہے جو P کی سرمایہ کاری سے زیادہ ہوتی ہے۔ اگر 20 مہینوں کے بعد متعلقہ نسبت P اور Q ' R کے درمیان 2 : 3 ہوتی ہے۔ تب P اور Q کے درمیان نسبت کیا ہوگی معلوم کرو۔

- (1) 128000
- (2) 136000
- (3) 144000
- (4) 164000

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 95 Question Id : 7856743844 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

۔ حسابی قابلیت



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P, Q, R started a business with investments in the ratio 5 : 4 : 6. After 6 months P added 20% more than the initial investment and at the same time R withdrew half of the initial investment. If the profit share of Q is Rs.11400, then the profit at the end of the year (in rupees) is

P, Q, R ایک کاروبار کو 5 : 4 : 6 کی نسبتوں میں شروع کرتے ہیں۔ 6 مہینوں کے بعد P 20% زیادہ رقم بنیادی رقم سے زیادہ سرمایہ کاری کرتا ہے۔ اور اسی وقت R اپنی سرمایہ کاری کا نصف حصہ واپس لے لیتا ہے۔ اگر Q کا نفع میں حصہ 11400 ہو تب سال کے ختم پر منافع کیا ہوگا۔

- (1) 39150
- (2) 39250
- (3) 39400
- (4) 39900

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 96 Question Id : 7856743845 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

I. حسابی قابلیت

Two pipes A and B independently can fill a cistern in 6 hours and 8 hours respectively. If both A and B are opened together, then the time it takes to fill the cistern completely is

دو پائپ A اور B رضا کارانہ طور پر ایک cistern کو 6 گھنٹے اور 8 گھنٹے بالترتیب بھرتے ہیں۔ اگر دونوں پائپوں کو ایک ساتھ کھول دیا جائے۔ تب cistern کو پورا بھرنے کے لئے کتنا وقت درکار ہوگا۔

(1)  $4\frac{1}{7}$  hours گھنٹے

(2)  $4\frac{1}{14}$  hours گھنٹے

(3)  $3\frac{3}{7}$  hours گھنٹے

(4)  $3\frac{1}{7}$  hours گھنٹے

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 97 Question Id : 7856743846 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

-I حسابی قابلیت

Pipes A and B can fill a tank in 20 min. and 30 min. respectively. A drain pipe C can empty the full tank in 15 min. Pipes A, B and C are opened alternatively each for 1 minute in that order. The time (in minutes) taken to fill the tank is

پائپ A اور B ایک ٹینک کو 20 منٹ میں اور 30 منٹ میں بھرتے ہیں۔ حوض کو خالی کرنے والا پائپ C 15 منٹ میں اس حوض کو خالی کرتا ہے۔ پائپ 'A' اور B کو ایک کے بعد دیگرے ایک منٹ کے فرق سے کھول دیا جاتا ہے۔ حوض بھرنے کے لئے کتنا وقت درکار ہوگا۔

- (1) 105
- (2) 125
- (3) 167
- (4) 187

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 98 Question Id : 7856743847 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

-I حسابی قابلیت

Two trains A and B start from a station P at 8 am and 10 am and travel at speeds of 50 kmph and 70 kmph respectively. After how many kilo meters from P will they meet ?

دو گاڑیاں A اور B ایک اسٹیشن سے 8 بجے اور 10 بجے نکلتی ہیں اور 50 کلومیٹر دور 70 کلومیٹر کی رفتار سے چلتی ہیں۔ P سے کتنے کلومیٹر بعد یہ دو گاڑیاں آپس میں ملتی ہیں۔

- (1) 350
- (2) 360
- (3) 380
- (4) 400

**Options :**

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

**Question Number : 99 Question Id : 7856743848 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

-I حسابی قابلیت



A boat can cover 54 km in still water in 6 hours. It can cover 210 km upstream and the same distance in down stream in a total of 48 hours. Then the difference of times taken by the boat to cover 72 km upstream and to cover 63 km down stream (in hours) is

ایک بوٹ 6 گھنٹوں میں 54 کلومیٹر کا فاصلہ طے کرتی ہے۔ یہ 210 کلومیٹر میں مخالف سمت میں فاصلہ طے کرتی ہے اور اسی رفتار سے 48 گھنٹوں میں موافق سمتوں میں رفتار طے کرتی ہے تب 72 کلومیٹر کا فاصلہ طے کرنے کے لئے مخالف سمت رفتار اور موافق سمت میں رفتار طے کرنے کے لئے 63 کلومیٹر کا فاصلہ ہوتا ہے۔

- (1) 2.5
- (2) 3.0
- (3) 3.6
- (4) 4.8

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 100 Question Id : 7856743849 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**I. Arithmetical Ability**

-I. حسابی قابلیت

Three workers A, B and C can together complete a work in 10 days. After working together for 4 days A leaves and B and C complete the work in 10 more days. If A works alone, how many days will he take to complete the work?

تینوں ورکرس A، B اور C مل کر ایک کام کو 10 دنوں میں مکمل کرتے ہیں۔ 4 دن مل کر کام کرنے کے بعد A کام سے ہٹ جاتا ہے اور B اور C اسی کام کو 10 زائد دنوں میں مکمل کرتے ہیں اگر A اکیلا کام کرتے رہے تو وہ اس کام کو کتنے دنوں میں پورا کرے گا۔

- (1) 30
- (2) 28
- (3) 25
- (4) 24

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 101 Question Id : 7856743850 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

-I حسابی قابلیت

A certain number of women can complete a piece of work in 70 days. If there were 12 women more, the work could be finished in 15 days less. Then the number of women originally there is

چند عورتیں ایک کام کو 70 دنوں میں مکمل کرتی ہیں اگر 12 زائد عورتوں کو مامور کر دیا جائے تو کام 15 دنوں میں پورا ہو جائے گا۔ اس جگہ اصل عورتیں کام پر لگی ہوئی ہیں۔

- (1) 24
- (2) 36
- (3) 44
- (4) 48

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 102 Question Id : 7856743851 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I. حسابی قابلیت

A circular park is of 60 m in diameter. A three meter wide walking track is prepared around and outside its perimeter. What is the area of the track (in sq. m.)

ایک circular park کا diameter 60 میٹر ہے ایک 3 میٹرس کا راستہ اس کے اطراف تیار کیا جاتا ہے۔ تب track کا رقبہ کیا ہوگا۔

- (1)  $180\pi$
- (2)  $188\pi$
- (3)  $189\pi$
- (4)  $201\pi$

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 103 Question Id : 7856743852 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I. حسابی قابلیت

The length of one diagonal of a rhombus is 80 cm and its side is 41 cm. What is the length (in cm) of the other diagonal ?

ایک rhombus کے diagonal کی لمبائی 80 cm ہے اس کا ایک کونہ 41 cm ہے دیگر diagonal کی لمبائی کیا ہوگی۔

- (1) 18
- (2) 20
- (3) 24
- (4) 25

**Options :**

- 1. ✓ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 104 Question Id : 7856743853 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I. حسابی قابلیت

A rectangular sheet of metal of dimensions of 12m x 6 m is rolled to form a cylinder with larger side as its base. The volume of the cylinder in cu.m. is

12m x 6 m سائز کا ایک سلنڈر بنانے کے لئے ایک مثلث نما شیٹ سے کام لیا گیا۔ اس سلنڈر کا حجم cu.m میں کیا ہوگا۔

(1)  $\frac{256}{\pi}$

(2)  $\frac{216}{\pi}$

(3)  $\frac{118}{\pi}$

(4)  $\frac{98}{\pi}$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 105 Question Id : 7856743854 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

I. Arithmetical Ability

I- حسابی قابلیت

If the surface area of a sphere is  $5544 \text{ cm}^2$ . Then the volume of the sphere in cubic centimetres is (take  $\pi = 22/7$ )

اگر ایک sphere کا سطح کا رقبہ 5544 میٹر ہے۔ تب اس sphere کا حجم cu.cm میں کیا ہوگا۔ ( $\pi = 22/7$ )

- (1) 38887
- (2) 38708
- (3) 37808
- (4) 38808

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 106 Question Id : 7856743855 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I. حسابی قابلیت

A room has a square base and is of height 4 meters. If the area of the four walls is 128 sq. m., then the number of square tiles of side one meter required to cover the floor is

ایک کمرہ جو square نما ہے اس کی لمبائی 4 میٹر ہے اگر چاروں دیواروں کا رقبہ 128 sq. m ہو تو تب ایک میٹر سائڈ square tiles کی تعداد فرش مکمل کرنے کے لئے کیا ہوگی۔

- (1) 128
- (2) 116
- (3) 96
- (4) 64

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 107 Question Id : 7856743856 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

-I حسابی قابلیت



A tent in the shape of a cone is to be erected having a base of 154 sq.m and a height of 24 m. The cost of the canvas required at the rate of Rs.1000 per sq.m. to make the tent (in rupees) is

ایک cone نما 'tent' تاننے کے لئے 154 sq.m جگہ کی اور اس کی لمبائی 24 m ہے۔ canvas کی لاگت فی 1000 per sq.m کی شرح سے ہو تو tent کی لاگت (روپوں میں کیا ہوگی)۔

- (1) 550000
- (2) 500000
- (3) 480000
- (4) 450000

**Options :**

1. ✓ 1
2. ✘ 2
3. ✘ 3
4. ✘ 4

**Question Number : 108 Question Id : 7856743857 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I- حسابی قابلیت

A solid metal sphere of 12 cm diameter is melted and cast into a cylindrical wire of diameter 4 mm. Then the length of the wire (in meters) is

ایک سالڈ میٹل کے sphere کو جو 12 cm نصف قطر کا ہے پگلا یا جاتا ہے اور اس کو ایک 4 mm cylindrical نصف قطر میں تبدیل کیا جاتا ہے۔ تب واڑ کی لمبائی کیا ہوگی۔

- (1) 70
- (2) 72
- (3) 76
- (4) 78

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 109 Question Id : 7856743858 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

-I حسابی قابلیت

Let A and B denote the following binary numbers.

$$A = 10011011_2 \text{ and } B = 111011_2$$

Then the decimal equivalent of  $A + B =$

کی decimal equivalent کا  $A + B =$  تب  $A = 10011011_2, B = 111011_2$  ہوگا۔

- (1) 216
- (2) 215
- (3) 214
- (4) 210

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 110 Question Id : 7856743859 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

I. Arithmetical Ability

I. حسابی قابلیت

If  $245 \equiv k \pmod{13}$ , then  $k =$

$$k = 245 \pmod{13}$$

- (1) 5
- (2) 11
- (3) 13
- (4) 12

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Sub-Section Number :** 2  
**Sub-Section Id :** 785674426  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 111 Question Id : 7856743860 Question Type : MCQ Option Shuffling : No**  
**Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time**  
**: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجر اور جامنٹری قابلیت

If a set has 7 elements, then the number of subsets of A with atleast 2 elements is

اگر ایک منٹ میں 7 elements ہو تو تب A کے subsets کی تعداد 2 کم سے کم elements کے ساتھ ہوتی ہے۔

- (1) 64
- (2) 78
- (3) 99
- (4) 120

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 112 Question Id : 7856743861 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جیومیٹری قابلیت

Let A and B be any two sets with  $m$  and  $n$  elements. If A has 192 more subsets, than B, then  $m + n =$

اگر  $m$  اور  $n$  elements کے دونوں کو نے A اور B ہوں۔ اگر A کے 192 زائد سیٹ ہوں تب  $m + n =$

- (1) 8
- (2) 10
- (3) 12
- (4) 14

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 113 Question Id : 7856743862 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

If  $\alpha$  and  $\beta$  are the zeros of the quadratic polynomial

$x^2 - 7x + 12$ , then  $(\alpha^2 + \beta^2)(\alpha - \beta) =$

$$(\alpha^2 + \beta^2)(\alpha - \beta) = 'x^2 - 7x + 12 \text{ تب}$$

- (1) 25
- (2) 36
- (3) 49
- (4) 125

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 114 Question Id : 7856743863 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجر اور جامنٹری قابلیت

If  $x - \frac{1}{x} = 5$ , then  $x^4 + \frac{1}{x^4} =$

اگر  $x - \frac{1}{x} = 5$ , تب  $x^4 + \frac{1}{x^4} =$

- (1) 727
- (2) 627
- (3) 527
- (4) 427

**Options :**

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

**Question Number : 115 Question Id : 7856743864 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت



If the polynomial  $2x^3 + 3x^2 + ax + b$  when divided by  $(x - 2)$  and  $(x + 2)$  leaves the remainders 2 and -2 respectively, then  $(a, b) =$

اگر ایک polynomial  $2x^3 + 3x^2 + ax + b$  کو  $(x - 2)$  ،  $(x + 2)$  سے تقسیم کیا جائے تو بچنے والا عدد ہے اور -2 ہوتا ہے تب  $(a, b) =$

- (1) (7, 12)
- (2) (12, 7)
- (3) (-7, -12)
- (4) (-12, -7)

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 116 Question Id : 7856743865 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

If the remainders of the polynomial  $f(x)$  when divided by  $(x - 1)$  and  $(x - 2)$  are 2 and 3 respectively, then the remainder when  $f(x)$  is divided by  $(x - 1)(x - 2)$  is

ایک polynomial کا remainders  $f(x)$  ، جب کہ اس کو تقسیم کرنے پر  $(x - 1)$  اور  $(x - 2)$  اور 2 اور 3 بالترتیب ہیں۔ تب  $f(x)$  remainder کو اگر تقسیم کر دیا جائے تو  $(x - 1)(x - 2)$  ہوتے ہیں۔

- (1)  $x + 2$
- (2)  $2x + 1$
- (3)  $x - 1$
- (4)  $x + 1$

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 117 Question Id : 7856743866 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

A rational number is such that when we multiply the numerator by 2 and added 2 to the denominator it becomes 3 moreover, if we add 9 to the numerator and multiply the denominator by 3 it becomes  $\frac{3}{4}$ . Then that rational number is

ایک rational عدد اس طرح ہے کہ اس کو 2 سے ضرب دینے پر اور denominator کو 2 جمع کرنے پر وہ 3 ہو جاتا ہے۔ اگر ہم numerator میں 9 جمع کرتے ہیں اور denominator کو 3 سے ضرب دیتے ہیں تو وہ  $\frac{3}{4}$  ہو جاتا ہے۔ تب rational عدد کیا ہوگا معلوم کرو۔

- (1)  $\frac{9}{8}$   
(2)  $\frac{27}{16}$   
(3)  $\frac{45}{24}$   
(4)  $\frac{36}{17}$

Options :

1. ✘ 1  
2. ✔ 2  
3. ✘ 3  
4. ✘ 4

Question Number : 118 Question Id : 7856743867 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

A sum of Rs.900 is distributed among 3 persons, P, Q, R such that Q gets Rs.45 more than R and P gets Rs.30 less than R. Then the amount P gets, in rupees, is

P, Q, R تینوں میں 900 کی ایک رقم کو تقسیم کر دیا جائے اس طرح کہ Q کو R سے 45 روپے زیادہ میں اور P کو R سے 30 روپے کم ملتے ہیں تب P کو کتنی رقم ملے گی۔

- (1) 315
- (2) 295
- (3) 265
- (4) 245

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 119 Question Id : 7856743868 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت

If the roots of  $x^2 + 6x - 27 = 0$  are  $\alpha$  and  $\beta$ , then  $\alpha^3 + \beta^3 =$

$$\alpha^3 + \beta^3 = \text{تہ } \alpha, \beta \text{ اگر } x^2 + 6x - 27 = 0$$

- (1) -712
- (2) -700
- (3) -702
- (4) 702

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 120 Question Id : 7856743869 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

The sum of first 10 terms in an arithmetic progression is 20 and the sum of first 20 terms is 10, then the 8<sup>th</sup> term in that progression is

ایک arithmetic progression میں پہلے 10 اعداد کا مجموعہ 20 ہے اور دوسرے 20 اعداد کا مجموعہ 10 ہے۔  
تب progression میں 8 ویں ٹرم کا عدد کیا ہوگا۔

- (1) 4  
(2) 5  
(3)  $\frac{4}{5}$   
(4)  $\frac{5}{4}$

**Options :**

1. ✘ 1  
2. ✘ 2  
3. ✘ 3  
4. ✔ 4

**Question Number : 121 Question Id : 7856743870 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت

If the sum of an infinite Geometric Progression is 23 and the sum of the squares of its terms is 69, then the common ratio is

ایک Geometric Progression میں رقم کی مقدار 23 ہے اور اس ٹرم کے squares کی مقدار 69 ہے۔  
تب عام نسبت کیا ہوگی۔

(1)  $\frac{15}{13}$

(2)  $\frac{10}{13}$

(3)  $\frac{23}{26}$

(4)  $\frac{25}{26}$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 122 Question Id : 7856743871 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت

$$\sin^2\left(\frac{2\pi}{3}\right) + \cos^2\left(\frac{5\pi}{6}\right) - \tan^2\left(\frac{5\pi}{4}\right) =$$

(1) 1

(2)  $\frac{1}{2}$

(3)  $-\frac{1}{2}$

(4) -1

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 123 Question Id : 7856743872 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت



$$\cot \theta + \tan \theta = 2 \Rightarrow \cos \theta =$$

(1)  $\pm \frac{1}{\sqrt{3}}$

(2)  $\pm \frac{1}{2}$

(3)  $\pm \frac{1}{\sqrt{2}}$

(4)  $\pm \frac{\sqrt{3}}{2}$

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 124 Question Id : 7856743873 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجزء اور جامنٹری قابلیت

$$A + B + C = \pi \Rightarrow \tan A + \tan B + \tan C =$$

- (1) 1
- (2)  $\tan A \tan B + \tan B \tan C + \tan C \tan A$
- (3)  $\tan (A + B + C)$
- (4)  $\tan A \tan B \tan C$

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 125 Question Id : 7856743874 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجزء اور جامنٹری قابلیت

$$\sec \theta + \tan \theta = k \Rightarrow \frac{k^2+1}{k^2-1} =$$

- (1)  $\tan \theta$
- (2)  $\cot \theta$
- (3)  $\operatorname{cosec} \theta$
- (4)  $\sec \theta$

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 126 Question Id : 7856743875 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجر اور جامنٹری قابلیت

From a distance of 60 m on the level ground, the angle of elevation of the top of a building is  $45^{\circ}$  and the angle of elevation of the top of a flagstaff which is situated on the top of the building is  $60^{\circ}$ , then the length of the flagstaff, in meters, is

ایک گراؤنڈ کی سطح سے 60 میٹرس کے فاصلے سے ایک بلڈنگ کی بالائی سطح سے زاویہ بلندی  $45^{\circ}$  ہے اور ایک flagstaff کے زاویہ بلندی جو بلڈنگ کے اوپر کے حصہ پر موجود ہے  $60^{\circ}$  ہے تب flagstaff کی لمبائی میٹرس میں معلوم کرو۔

- (1) 120
- (2)  $60(\sqrt{3} + 1)$
- (3) 180
- (4)  $60(\sqrt{3} - 1)$

**Options :**

1. ✘ 1
2. ✘ 2
3. ✘ 3
4. ✔ 4

**Question Number : 127 Question Id : 7856743876 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت

In a triangle ABC, AB = 5 cm, BC = 6 cm and CA = 7 cm, then the length of the median AD, in cm, is

ایک ABC triangle میں AB = 5 cm ، BC = 6 اور CA = 7 تب AD median کی لمبائی سنٹی میٹرس میں معلوم کرو۔

- (1)  $\sqrt{7}$
- (2)  $2\sqrt{7}$
- (3)  $3\sqrt{7}$
- (4)  $4\sqrt{7}$

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 128 Question Id : 7856743877 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جیومیٹری قابلیت

In a triangle ABC, AB = 6 cm, BC = 7 cm and AC = 11 cm. If AD is the altitude from A to the side BC, then the length of BD, in cm, is

ایک مثلث ABC میں AB = 6 ، BC = 7 ، AC = 11 اگر AD جو A سے سائیڈ BC کی طرف ہوتی ہے اس کی لمبائی سنٹی میٹرز میں معلوم کرو۔

- (1) 3  
(2)  $\frac{18}{7}$   
(3) 4  
(4)  $\frac{22}{7}$

Options :

1. ✘ 1  
2. ✔ 2  
3. ✘ 3  
4. ✘ 4

Question Number : 129 Question Id : 7856743878 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

II-الجبر اور جیومیٹری قابلیت

If the lengths of the diagonals of a rhombus are 48cm and 14cm, then the perimeter of the rhombus, in cm, is

ایک rhombus کے diagonals کی لمبائی 48 سنٹی ہوں تب rhombus کی perimeter سنٹی میٹرس میں کیا ہوگی۔

- (1) 25
- (2) 26
- (3) 100
- (4) 104

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 130 Question Id : 7856743879 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جیومیٹری قابلیت

If the lengths of the two parallel sides of a trapezium are 18 cm and 12 cm and its area is  $105 \text{ cm}^2$ , then the distance between the parallel sides, in cm, is

ایک منشور میں دو متوازی سائیڈ کی لمبائی اگر 18 cm اور 12 cm ہوں تب اس کا رقبہ  $105 \text{ cm}^2$  ہوتا ہے تب ان متوازی سائیڈس کا فاصلہ سنٹی میٹر میں معلوم کرو۔

- (1) 9
- (2) 8
- (3) 7
- (4) 6

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 131 Question Id : 7856743880 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت



If the radii of two circles are 6 cm and 18 cm and the distance between their centres is 9 cm, then the number of common tangents that can be drawn to the two circles is

اگر دو سرکل کا رقبہ 6 cm اور 18 cm ہو اور ان کے سنٹرس کا درمیانی فاصلہ 9 cm ہو تب ان عام tangents کے عدد جو دو سنٹرس تک کھینچے جاسکتے ہیں ہوتے ہیں؟

- (1) 4
- (2) 2
- (3) 1
- (4) 0

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 132 Question Id : 7856743881 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

A chord of length 8 cm of a circle subtends an angle  $30^{\circ}$  at a point on the circumference of the circle. Then the length of the diameter of the circle, in cm, is

ایک سرکل کے chord کی لمبائی 8 cm ہے جو ایک سرکل کے احاطہ کے کسی ایک نقطہ پر  $30^{\circ}$  ہوتی ہے اس سرکل کے نصف قطر کی لمبائی سنٹی میٹر میں معلوم کرو۔

- (1) 8
- (2) 12
- (3) 16
- (4) 20

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 133 Question Id : 7856743882 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

If  $A(5, 2); B(6, -15); C(0,0)$  are the vertices of  $\Delta ABC$ , then  $\Delta ABC$  is

اگر  $A(5, 2); B(6, -15); C(0,0)$  ایک مثلث کے تین کونے ہیں تب  $\Delta ABC$  ؟

- (1) right angled
- (2) equilateral
- (3) isosceles
- (4) right angled isosceles

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 134 Question Id : 7856743883 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت

What is the ratio in which the y-axis divides the line segment joining the points A(12, -3) and B(3, 6) ?

وہ کونسی نسبت ہے جس میں y-axis line segment کو تقسیم کرتا ہے جو نقاط A(12, -3) اور B(3, 6) کو قطع کرتے ہیں۔

- (1) 4 : 1
- (2) 3 : 2
- (3) -3 : 2
- (4) -4 : 1

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✘ 3
- 4. ✔ 4

**Question Number : 135 Question Id : 7856743884 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت

The ratio in which y-axis divides the line joining the points  
A(-4, 5) and B(3, -2) is

وہ نسبت جس میں y-axis ' line joining ' نقاط کو A(-4, 5) اور B(3, -2) پر قطع کرتا ہے۔

- (1) 3 : 4
- (2) 4 : 3
- (3) 5 : 2
- (4) 2 : 5

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 136 Question Id : 7856743885 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

The equation of the line passing through the points A(2, 1) and B(4, 5) is

وہ خط مساوات جو نقاط (2, 1) اور (4, 5) سے گزرتی ہے۔ کیا ہوتی ہے۔

- (1)  $y = 2x - 3$
- (2)  $y = 4x + 5$
- (3)  $y = 2x + 1$
- (4)  $y = 2x + 3$

**Options :**

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

**Question Number : 137 Question Id : 7856743886 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

The sum of  $x$  and  $y$  intercepts of the line  $7x + 4y = 56$  is

$X$  اور  $y$  کی مقدار جو خط  $7x + 4y = 56$  پر قطع کرتی ہے کیا ہوتی ہے۔

- (1) 11
- (2) 0
- (3) 22
- (4) 21

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Question Number : 138 Question Id : 7856743887 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

II-الجبر اور جاسٹری قابلیت

The equation of the straight line which is inclined at an angle of  $120^{\circ}$  to the positive X-axis and makes y-intercept of 7 units is

مساوات خط استوا جو  $120^{\circ}$  پر جھکے ہوئے زاویہ سے گزرتی ہے اور مثبت X-axis اور y-intercept '7' بناتی ہے۔

(1)  $\sqrt{3}y + x + 7 = 0$

(2)  $y + \sqrt{3}x - 7 = 0$

(3)  $y - \sqrt{3}x + 7 = 0$

(4)  $-\sqrt{3}y + x + 7 = 0$

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 139 Question Id : 7856743888 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

II. Algebraic and Geometrical Ability

II-الجبر اور جامنٹری قابلیت



If the line  $y = mx + c$  is the perpendicular bisector of the line segment joining the points  $A(4, -7)$  and  $B(-2, 1)$ , then  $\frac{m}{c} =$

اگر  $y = mx + c$  مساوات میں  $A(4, -7)$  اور  $B(-2, 1)$  کے لیے لکھنا ہوگا۔

- (1) 3
- (2)  $\frac{-1}{3}$
- (3)  $\frac{-1}{5}$
- (4) 5

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 140 Question Id : 7856743889 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

II. Algebraic and Geometrical Ability

II- الجبر اور جامنٹری قابلیت

If the equation of line joining (2, 1) and (-4, -5) is  $ax + by + c = 0$ , then  $a + b =$

اگر مساوات خط جو (-4, -5) اور (2, 1) '  $ax + by + c = 0$  ' کی ہے تو  $a + b =$  کیا ہوگا۔

- (1) -2
- (2) -1
- (3) 0
- (4) 1

Options :

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

Sub-Section Number : 3  
Sub-Section Id : 785674427  
Question Shuffling Allowed : Yes  
Is Section Default? : null

Question Number : 141 Question Id : 7856743890 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

III. Statistical Ability

III- قابلیت، اعداد و شماری

The mean of the following 50 observations is

1, 3, 5, 7, ... 99

حسب ذیل 50 مشاہدات میں اوسط حسابیہ 1, 3, 5, 7, ... 99 ہے۔

(1) 64

(2) 56

(3) 50

(4) 48

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 142 Question Id : 7856743891 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری

The Mean of 6 observations is 40. If one observation is excluded, then the mean of the remaining 5 observations becomes 39, the excluded observation is

ایک مشاہدات کا اوسط حسابیہ 40 ہے۔ اگر ایک مشاہدہ کو نکال دیا جائے تب 5 مشاہدات کا اوسط حسابیہ 39 ہوتا ہے۔ تو وہ نکلے گئے مشاہدہ کی قیمت کیا ہوگی۔

- (1) 25
- (2) 35
- (3) 45
- (4) 40

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 143 Question Id : 7856743892 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری

The arithmetic mean of 24, 4, 12, 8, 36, 48, 20, 16, 28, 32, 40 and k is 26.

Then k =

ایک اوسط حسابیہ کا 24, 4, 12, 8, 36, 48, 20, 16, 28, 32, 40 اور k ہے تو

- (1) 52
- (2) 44
- (3) 28
- (4) 56

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 144 Question Id : 7856743893 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری

Let  $A = \{a, b, a + b, a - 4b, ab, 2b\}$ . If  $b > 6$  and the mean of the set is  $b + 3$ , then the median is

اگر  $A = \{a, b, a + b, a - 4b, ab, 2b\}$  ہو تو اس سیٹ کا اوسط حسابیہ  $b + 3$  ہوتا ہے تب اس کا وسطانیہ کیا ہوگا۔

- (1)  $2b + 3$
- (2)  $b + 3$
- (3)  $b + 6$
- (4)  $b + 9$

**Options :**

1. ✘ 1
2. ✔ 2
3. ✘ 3
4. ✘ 4

**Question Number : 145 Question Id : 7856743894 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری

The median of a data contains 33 observations is 71. If another 4 observations 98, 89, 63, 36 are included in the data the median of this new data is

ایک مواد کا وسطانیہ جو 33 مشاہدات پر مبنی ہے 71 ہوتا ہے، اگر مزید 4 مشاہدات 98, 89, 63, 36 شامل کر لئے جائیں تب نئے مواد کا وسطانیہ کیا ہوگا۔

- (1) 74
- (2) 71
- (3) 69
- (4) 65

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 146 Question Id : 7856743895 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

-III- قابلیت، اعداد و شماری

Four entries are added to the data 5, 28, 15, 10, 15, 8, 24. If there is no change in the arithmetic mean and median but its mode is increased by 1, then the four entries (quantities) that are added to the original data are

4 اندراجات 5, 28, 15, 10, 15, 8, 24 کے ساتھ شامل کر لیے جائیں۔ جب کہ اوسط حسابیہ اور وسطانیہ میں کوئی تبدیلی نہیں ہوئی بلکہ mode میں صرف 1 کا اضافہ ہوا ہے۔ تب وہ 4 اندراجات جو شامل کئے گئے ہیں کیا ہیں بیان کرو۔

- (1) 10, 12, 12, 12
- (2) 11, 14, 14, 14
- (3) 12, 16, 16, 16
- (4) 13, 17, 17, 17

**Options :**

1. ✘ 1
2. ✘ 2
3. ✔ 3
4. ✘ 4

**Question Number : 147 Question Id : 7856743896 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری



The mode of the following frequency distribution is nearly

حسب ذیل mode کا frequency distribution قریب ہوتا ہے۔

Family size	1 – 3	3 – 5	5 – 7	7 – 9	9 – 11
Number of families	9	10	4	4	3

- (1) 3.48
- (2) 3.29
- (3) 3.12
- (4) 2.96

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 148 Question Id : 7856743897 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری

If a card is selected from a deck of 52 cards, then the probability of it being a red faced card is

52 کارڈس کے ایک ڈیگ سے ایک کارڈ کا انتخاب عمل میں آیا ہے۔ تب ایک red faced کارڈ کے واقع ہونے کے امکانات کیا ہیں۔

(1)  $\frac{3}{26}$

(2)  $\frac{3}{13}$

(3)  $\frac{2}{13}$

(4)  $\frac{1}{2}$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 149 Question Id : 7856743898 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

III. Statistical Ability

III- قابلیت، اعداد و شماری

Two dice are thrown once, what is the probability of getting a total of 10 on the faces is

دو dice کو ایک ساتھ اچھالا گیا تب اس اچھال سے 10 کے منجمد کیا امکانات ہیں بیان کرو۔

(1)  $\frac{10}{36}$

(2)  $\frac{7}{36}$

(3)  $\frac{4}{36}$

(4)  $\frac{3}{36}$

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 150 Question Id : 7856743899 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

III. Statistical Ability

III- قابلیت، اعداد و شماری

A bag contains 4 white and 6 black balls. What is the probability of drawing two balls in succession without replacement so that the first ball is white and the second is black?

ایک تھیلی میں 4 سفید اور 6 کالے بال ہوتے ہیں۔ 2 نکالے جانے والے balls ' probability بغیر ہٹائے لیے جانے پر تاکہ پہلا بال سفید ہو اور دوسرا بال کالا ہو۔ کیا ہوگی۔

- (1)  $\frac{4}{15}$   
(2)  $\frac{6}{15}$   
(3)  $\frac{10}{15}$   
(4)  $\frac{12}{15}$

**Options :**

1. ✓ 1  
2. ✗ 2  
3. ✗ 3  
4. ✗ 4

## Communication Ability

Section Id :	78567457
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	38
Number of Questions to be attempted :	38

<b>Section Marks :</b>	50
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	785674428
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 151 Question Id : 7856743900 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**

### Part 1: Meanings (sentences with dashes)

Disregard for other people is

- (1) respect
- (2) callousness
- (3) insult
- (4) concern

**Options :**

- 1. ✘ 1
- 2. ✔ 2
- 3. ✘ 3
- 4. ✘ 4

**Question Number : 152 Question Id : 7856743901 Question Type : MCQ ( Display Question Number : Yes Is Question Mandatory : No Calculator :**

: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Part 1: Meanings (sentences with dashes)

Persuade by flattery or coaxing

- (1) cajole
- (2) caress
- (3) threaten
- (4) warn

Options :

1. ✓ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 153 Question Id : 7856743902 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Part 1: Meanings (sentences with dashes)

One who rules the country by force

- (1) democrat
- (2) demagogue
- (3) bureaucrat
- (4) dictator

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 154 Question Id : 7856743903 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 1: Meanings (sentences with dashes)

Kindness or generosity in bestowing gifts or money is

- (1) largesse
- (2) stinginess
- (3) largeness
- (4) smallness

**Options :**

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

**Question Number : 155 Question Id : 7856743904 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 1: Meanings (sentences with dashes)

To look at something quickly and secretly, especially through a small opening \_\_\_\_\_ .

- (1) spy
- (2) probe
- (3) peep
- (4) espy

### Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Sub-Section Number :** 2  
**Sub-Section Id :** 785674429  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 156 Question Id : 7856743905 Question Type : MCQ Option Shuffling : No**  
**Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time**  
**: N.A Think Time : N.A Minimum Instruction Time : 0**  
**Correct Marks : 1 Wrong Marks : 0**

## Part 2: Synonyms and Antonyms



The most appropriate synonym of 'emulate'

- (1) surpass
- (2) mimic
- (3) inflate
- (4) augment

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 157 Question Id : 7856743906 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 2: Synonyms and Antonyms

The most appropriate synonym of 'stentorian'

- (1) thunderous
- (2) pleasing
- (3) musical
- (4) gratifying

**Options :**

1. ✔ 1

2. ✘ 2

3.

✖ 3

4. ✖ 4

**Question Number : 158 Question Id : 7856743907 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 2: Synonyms and Antonyms

The most appropriate antonym of 'exude'

- (1) exclude
- (2) refuse
- (3) conceal
- (4) display

**Options :**

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

**Question Number : 159 Question Id : 7856743908 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 2: Synonyms and Antonyms

The most appropriate antonym of word 'urbane'

- (1) sophisticated
- (2) uncouth
- (3) poised
- (4) rural

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 160 Question Id : 7856743909 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 2: Synonyms and Antonyms

The most appropriate antonym of the word 'conducive'

- (1) productive
- (2) competent
- (3) adverse
- (4) fruitful

**Options :**

1. ✘ 1

2. ✘ 2

3. ✓ 3

4. ✘ 4

**Sub-Section Number :** 3  
**Sub-Section Id :** 785674430  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 161 Question Id : 7856743910 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0**

### Part 3: Verb (Tense & Voice)

By the time the boy entered the classroom, others \_\_\_\_\_ .

- (1) leave
- (2) have left
- (3) will have left
- (4) were leaving

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✓ 4

**Question Number : 162 Question Id : 7856743911 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator :  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 3: Verb (Tense & Voice)

English \_\_\_\_\_ in many countries in the world.

- (1) was speaking
- (2) spoken
- (3) is spoken
- (4) had been spoken

**Options :**

- 1. ✘ 1
- 2. ✘ 2
- 3. ✔ 3
- 4. ✘ 4

**Question Number : 163 Question Id : 7856743912 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 3: Verb (Tense & Voice)

The minister \_\_\_\_\_ for New Delhi yesterday.

- (1) left
- (2) has left
- (3) Has been left
- (4) had been left

**Options :**

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

**Question Number : 164 Question Id : 7856743913 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 3: Verb (Tense & Voice)

The old man \_\_\_\_\_ here for many years now.

- (1) had lived
- (2) lived
- (3) was living
- (4) has lived

**Options :**

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

**Question Number : 165 Question Id : 7856743914 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 3: Verb (Tense & Voice)

The boy gave a surprise to his father

(Change the voice)

- (1) The father received a surprise from his boy.
- (2) The father had received a surprise.
- (3) The father was given a surprise by the boy.
- (4) The father was being given a surprise by the boy.

### Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

<b>Sub-Section Number :</b>	4
<b>Sub-Section Id :</b>	785674431
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 166 Question Id : 7856743915 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 4: Phrasal Verbs & Idioms

I can testify \_\_\_\_\_ his honesty.

- (1) for
- (2) to
- (3) on
- (4) upon

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 167 Question Id : 7856743916 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 4: Phrasal Verbs & Idioms

My grandfather is hard \_\_\_\_\_ hearing.

- (1) on
- (2) at
- (3) of
- (4) off

**Options :**

1. ✘ 1

2. ✘ 2



3. ✓ 3

4. ✘ 4

**Question Number : 168 Question Id : 7856743917 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 4: Phrasal Verbs & Idioms

He jumped \_\_\_\_ the opportunity of going abroad.

- (1) at
- (2) on
- (3) for
- (4) off

**Options :**

1. ✓ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

**Question Number : 169 Question Id : 7856743918 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

Part 4: Phrasal Verbs & Idioms

After retirement, he became a couch potato. The underlined idiom means

- (1) an active person
- (2) a hefty person
- (3) a weak person
- (4) a lazy person

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 170 Question Id : 7856743919 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

**Part 4: Phrasal Verbs & Idioms**

You have to think big if you want to achieve anything. The underlined idiom means

- (1) think too much
- (2) have ambitious plans
- (3) think calmly
- (4) consider modest plans

**Options :**

1. ✘ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

**Sub-Section Number :** 5  
**Sub-Section Id :** 785674432  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 171 Question Id : 7856743920 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 5: Articles & Prepositions

Kalidasa is \_\_\_\_\_ Shakespeare of India.

- (1) a
- (2) the
- (3) an
- (4) one

**Options :**

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

**Question Number : 172 Question Id : 7856743921 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 5: Articles & Prepositions

I saw an old man near \_\_\_\_\_ bus stop.

- (1) a
- (2) our
- (3) the
- (4) an

### Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 173 Question Id : 7856743922 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 5: Articles & Prepositions

As he did not pay the dues, the electricity has been cut \_\_\_\_\_ .

- (1) up
- (2) of
- (3) out
- (4) off

### Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 174 Question Id : 7856743923 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 5: Articles & Prepositions

Our company is now \_\_\_\_\_ a firm footing.

- (1) in
- (2) on
- (3) into
- (4) at

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 175 Question Id : 7856743924 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 5: Articles & Prepositions

Gulliver's Travels is a book \_\_\_\_\_ children.

- (1) for
- (2) of
- (3) to
- (4) upon

**Options :**

1. ✓ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

**Sub-Section Number :** 6  
**Sub-Section Id :** 785674433  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 176 Question Id : 7856743925 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**

### Part 6: Computer Terminology

We use the rules of \_\_\_\_\_ encrypted to ex-change files over the internet.

- (1) FTP/IP
- (2) Hyperlink
- (3) HTML
- (4) HTTP

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 177 Question Id : 7856743926 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 6: Computer Terminology

World Wide Web was invented by \_\_\_\_\_ .

- (1) Tim Berners-Lee
- (2) Vinton Gray Cerf
- (3) Charles Babbage
- (4) Robert Kahn

**Options :**

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

**Question Number : 178 Question Id : 7856743927 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 6: Computer Terminology

A piece of data that is stored within a web-browser and retrieved at a later time is called a \_\_\_\_\_

- (1) Bug
- (2) Cookie
- (3) Hyperlink
- (4) Hyperloop

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 179 Question Id : 7856743928 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 6: Computer Terminology

DNS is the short form of

- (1) Disk Numbering System
- (2) Data Number Sequence
- (3) Domain Name System
- (4) Digital Network Service

**Options :**



1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 180 Question Id : 7856743929 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 6: Computer Terminology

Which one of the following serves as a reference point that connects a particular page to other pages on the web page?

- (1) Reference
- (2) Web link
- (3) Referral code
- (4) Hyperlink

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Sub-Section Number :** 7  
**Sub-Section Id :** 785674434  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

Question Number : 181 Question Id : 7856743930 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

### Part 7: Business Terminology

Making a list of a company's physical assets is known as \_\_\_\_\_.

- (1) background check
- (2) filing
- (3) inventory
- (4) credit check

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 182 Question Id : 7856743931 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

### Part 7: Business Terminology

A contract that prohibits an employee from switching to a competing company is called

- (1) inception option.
- (2) business conduct manual.
- (3) non-compete agreement.
- (4) paralegal clause.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 183 Question Id : 7856743932 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 7: Business Terminology

A company's positive resources are considered as

- (1) assets.
- (2) liabilities.
- (3) contracts.
- (4) working capital.

**Options :**

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

**Question Number : 184 Question Id : 7856743933 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 7: Business Terminology

The movement of finished goods from production to the customer is \_\_\_\_\_ .

- (1) physical supply
- (2) physical distribution
- (3) supply chain
- (4) conversion cycle

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 185 Question Id : 7856743934 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

## Part 7: Business Terminology

Individual ownership is called

- (1) Cooperative society.
- (2) Joint trade agreement.
- (3) Partnership management.
- (4) Sole proprietorship.

**Options :**

1. ✘ 1

2.

✖ 2

3. ✖ 3

4. ✔ 4

**Sub-Section Number :** 8  
**Sub-Section Id :** 785674435  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Id : 7856743935 Question Type : COMPREHENSION Sub Question Shuffling Allowed :  
Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :  
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (186 to 190)**

## Part 8: Comprehension

Freedom and power bring responsibility. The responsibility rests upon this assembly, a sovereign body representing the sovereign people of India. Before the birth of freedom, we have endured all the pains of labour and our hearts are heavy with the memory of this sorrow.

That future is not one of ease of resting but of incessant striving so that we may fulfil the pledges we have so often taken and the one we shall take today. The service of India means the service of the millions who suffer. It means the ending of poverty and ignorance and disease and inequality of opportunity.

The ambition of the greatest man of our generation has been to wipe every tear from every eye. That may be beyond us, but as long as there are tears and suffering, so long our work will not be over.

And so, we have to labour and to work, and work hard, to give reality to our dreams. Those dreams are for India, but they are also for the world, for all the nations and peoples are too closely knit together today for anyone of them to imagine that it can live apart...

To the people of India, whose representatives we are, we make an appeal to join us with faith and confidence in this great adventure. This is no time for pretty and destructive criticism, no time for ill-will or blaming others. We have to build the noble mansion of free India where all her children may dwell.

### Sub questions

**Question Number : 186 Question Id : 7856743936 Question Type : MCQ (**  
**Display Question Number : Yes Is Question Mandatory : No Calculator :**

: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

### Part 8: Comprehension

What is the 'Sovereign body representing the sovereign people of India' referred to in the passage?

- (1) The Parliament of India.
- (2) The Assembly of a state.
- (3) The Constituent Assembly of India
- (4) The Constitution of India.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 187 Question Id : 7856743937 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

According to the speaker, India means \_\_\_\_\_

- (1) its geographical boundaries.
- (2) its members of parliament.
- (3) its leaders.
- (4) its people.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

**Question Number : 188 Question Id : 7856743938 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

The speaker dreams of better future for \_\_\_\_\_ .

- (1) India only
- (2) the countries other than India only.
- (3) India and the world.
- (4) the leaders representing India.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

**Question Number : 189 Question Id : 7856743939 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0

### Part 8: Comprehension

The speaker is against \_\_\_\_\_ .

- (1) criticism of any kind.
- (2) healthy criticism.
- (3) unhealthy criticism.
- (4) constructive criticism.

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

Question Number : 190 Question Id : 7856743940 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

### Part 8: Comprehension

The tone of the passage is

- (1) sorrowful.
- (2) ironic.
- (3) idealistic.
- (4) light-hearted.

Options :



1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘ 4

<b>Sub-Section Number :</b>	9
<b>Sub-Section Id :</b>	785674436
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Id : 7856743941 Question Type : COMPREHENSION Sub Question Shuffling Allowed :  
Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :  
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Question Numbers : (191 to 195)**

## Part 8: Comprehension

The most frightening aspect of malnutrition is that it is likely to cause permanent damage to the brain. Experiments carried out on animals suggest that brain damage due to malnutrition is irreversible. This may not be true of human beings. Nevertheless, known facts as well as results of tests conducted so far point to alarming conclusions. The human brain grows very fast. Three months before its birth, the child's brain weighs one-fourth of the adult's brain. In one year, the brain of the child is already 66 percent of the weight of the adult brain. At four years, the brain weighs 90 per cent and at eight the child's brain is the size of an adult's and there is no further increase. Quite obviously, the first four years are crucial for the development of the brain. And if the child suffers from malnutrition, the damage to the brain may well be permanent.

Thanks to the systematic research of the National Institute of Nutrition, Hyderabad, we are able to address at least some aspects of the problem of malnutrition in this country. For instance, it was found that the addition of iodine in the lake-water salt consumed in the Sub-Himalayan region would go a long way to controlling goitre. Again, experiments made by the Institute reveal that inexpensive green leafy vegetables are a good alternative to eggs and butter as rich source of Vitamin A.

## Sub questions

Question Number : 191 Question Id : 7856743942 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0

### Part 8: Comprehension

When does the child's brain attain full growth?

- (1) at the age of eighteen.
- (2) at the time of birth itself.
- (3) at the age of four.
- (4) at the age of eight.

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4

Question Number : 192 Question Id : 7856743943 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time  
: N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 1 Wrong Marks : 0

### Part 8: Comprehension

Which period is important for the development of human brain?

- (1) the first four years
- (2) infancy
- (3) youth
- (4) old age

**Options :**

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

**Question Number : 193 Question Id : 7856743944 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

The reason for brain damage is

- (1) anger.
- (2) good nourishment.
- (3) lack of proper nourishment.
- (4) junk food.

**Options :**

1. ✗ 1

2. ✗ 2

3.

✓ 3

4. ✘ 4

**Question Number : 194 Question Id : 7856743945 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

Which of the following statements is true?

- (1) Human brain grows continuously throughout life.
- (2) Brain damage due to malnutrition is reversible in animals.
- (3) Brain damage due to malnutrition is irreversible in animals.
- (4) Goitre can be controlled by avoiding iodised salt.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✓ 3

4. ✘ 4

**Question Number : 195 Question Id : 7856743946 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

'The addition of iodine in the lake-water salt consumed in the sub-Himalayan region would go a long way to controlling goitre.

- (1) Takes a long time to achieve success in controlling goitre.
- (2) An important factor in achieving success is controlling goitre.
- (3) Travel a long distance is controlling goitre.
- (4) Makes it quite difficult to achieve success in controlling goitre.

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

<b>Sub-Section Number :</b>	10
<b>Sub-Section Id :</b>	785674437
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Id : 7856743947 Question Type : COMPREHENSION Sub Question Shuffling Allowed :**

**Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :**

**None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (196 to 200)**

Part 8: Comprehension

The last few years have ushered in a harsh reality where crises are the norm rather than the exception. Pandemics, economic slumps and extreme weather events were once tail-end risks but all the three have hit South Asia in rapid succession since 2020. This is deeply distressing because the knowledge, skills and health that people accumulate – their human capital – is a critical source of the resilience what countries rely on for recovery. Globally, countries that have systems in place to support individuals and families before a crisis spikes, can better protect their citizens during the crisis. Human development systems must be agile, resilient and adaptive. Such systems will help countries better respond to future shocks as well. Crises are unpredictable, and often present rapidly changing circumstances. A well-functioning system is one that can spring into action the moment a shock strikes, ensure essential services such as health care and learning remain uninterrupted. Since services are provided by different individual sectors, human development systems must be able to coordinate efficiently across sectors. The road ahead for South Asia is rocky. A robust human development system would not only mitigate the damage but also help ensure lives and livelihoods are protected.

### Sub questions

**Question Number : 196 Question Id : 7856743948 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

In recent times South Asia has experienced

- (1) robust growth in human skills.
- (2) unforeseen upheavals.
- (3) surge in human capital.
- (4) growth in healthcare.

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 197 Question Id : 7856743949 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

What is needed for rapid recovery from a crisis?

- (1) human capital
- (2) political will
- (3) economic slump
- (4) income growth

**Options :**

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

**Question Number : 198 Question Id : 7856743950 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

Human development systems must be

- (1) protective.
- (2) dynamic.
- (3) docile.
- (4) critical.

**Options :**

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

**Question Number : 199 Question Id : 7856743951 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

A functioning system ensures

- (1) passive response.
- (2) frequency of crises.
- (3) timely response.
- (4) individual initiative.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✔ 3



4. ✘ 4

**Question Number : 200 Question Id : 7856743952 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1 Wrong Marks : 0**

### Part 8: Comprehension

A robust human development system would

- (1) increase the damage.
- (2) weaken the education sector.
- (3) strengthen the health sector.
- (4) protect the lives and livelihood.

**Options :**

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 4