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**Question Paper Name :** B PLANNING EU 23rd Feb 2021 Shift 2  
**Subject Name :** B PLANNING EU  
**Creation Date :** 2021-02-22 14:13:40  
**Duration :** 180  
**Number of Questions :** 105  
**Total Marks :** 400  
**Display Marks:** Yes

## **B PLANNING EU**

**Group Number :** 1  
**Group Id :** 708191138  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 180  
**Show Attended Group? :** No  
**Edit Attended Group? :** No  
**Break time :** 0  
**Group Marks :** 400  
**Is this Group for Examiner? :** No

## **Mathematics Section A**

**Section Id :** 708191441  
**Section Number :** 1  
**Section type :** Online

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	708191721
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 70819112792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The value of the integral  $\int_{-4}^4 |9-x^2| dx$  is :

**Options :**

70819142051.  $\frac{121}{3}$

70819142052.  $\frac{122}{3}$

70819142053.  $\frac{125}{3}$

70819142054.  $\frac{128}{3}$

**Question Number : 1 Question Id : 70819112792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

(integral) تکمیل

ہے۔ \_\_\_\_\_ کی قیمت  $\int_{-4}^4 |9-x^2| dx$

**Options :**

70819142051.  $\frac{121}{3}$

70819142052.  $\frac{122}{3}$

70819142053.  $\frac{125}{3}$

70819142054.  $\frac{128}{3}$

**Question Number : 2 Question Id : 70819112793 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The sum of infinite number of terms of a Geometric Progression is 3 and the sum of the squares of its terms is  $\frac{9}{2}$ . The sum of the cubes of its terms is :

**Options :**

70819142055.  $\frac{31}{13}$

70819142056.  $\frac{108}{13}$

70819142057.  $\frac{27}{2}$

70819142058.

Question Number : 2 Question Id : 70819112793 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

سلسلہ ہندسہ Geometric Progression کے لامحدود ارکان کا مجموعہ 3 ہے۔ اور اس کے ارکان کے مربع کا مجموعہ  $\frac{9}{2}$  ہے تو اس کے ارکان کے مکعب (cube) کا مجموعہ \_\_\_\_\_ ہے۔

Options :

70819142055.  $\frac{31}{13}$

70819142056.  $\frac{108}{13}$

70819142057.  $\frac{27}{2}$

70819142058.  $\frac{54}{7}$

Question Number : 3 Question Id : 70819112794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following Boolean expression is a tautology ?

Options :

70819142059.  $P \Leftrightarrow P \vee q$

70819142060.  $(P \wedge q) \Leftrightarrow P$

70819142061.  $(p \wedge (\sim p \vee q)) \vee (\sim q)$

70819142062.  $(p \vee \sim p) \wedge (q \vee (\sim q))$

**Question Number : 3 Question Id : 70819112794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

مندرجہ ذیل میں سے کونسا بولین جملہ (Boolean expression) با معنی (tautology) ہے ؟

**Options :**

70819142059.  $P \Leftrightarrow P \vee q$

70819142060.  $(p \wedge q) \Leftrightarrow p$

70819142061.  $(p \wedge (\sim p \vee q)) \vee (\sim q)$

70819142062.  $(p \vee \sim p) \wedge (q \vee (\sim q))$

**Question Number : 4 Question Id : 70819112795 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Let  $|a| < 1, |b| < 1, |c| < 1$  and  $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$ . If  $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$  are in Arithmetic

Progression, then :

**Options :**

70819142063. a, b and c are in Arithmetic Progression

70819142064. a, b and c are in Geometric Progression

70819142065. a, 2b and c are in Arithmetic Progression

70819142066. a, b and c satisfy  $2b^2 = ac$

Question Number : 4 Question Id : 70819112795 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$x = \sum_{n=0}^{\infty} a^n$ ,  $y = \sum_{n=0}^{\infty} b^n$ ,  $z = \sum_{n=0}^{\infty} c^n$  اور  $|a| < 1$ ,  $|b| < 1$ ,  $|c| < 1$  فرض کیجئے  
اگر  $\frac{1}{z}$ ,  $\frac{1}{y}$ ,  $\frac{1}{x}$  سلسلہ حسابیہ (Arithmetic Progression) میں ہیں تو :

Options :

70819142063. c اور b, a سلسلہ حسابیہ میں ہیں۔

70819142064. c اور b, a سلسلہ ہندسہ (Geometric Progression) میں ہیں۔

70819142065. c اور 2b, a سلسلہ حسابیہ میں ہیں۔

70819142066.  $2b^2 = ac$  کو مطمئن (Satisfy) کرتے ہے۔ c اور b, a

Question Number : 5 Question Id : 70819112796 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!}$  is equal to :

Options :

70819142067.  $15e + 5$

70819142068.  $15e - 5$

70819142069.  $16e - 5$

70819142070.  $16e - 7$

**Question Number : 5 Question Id : 70819112796 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

\_\_\_\_\_ کے برابر ہے۔  $\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!}$

**Options :**

70819142067.  $15e + 5$

70819142068.  $15e - 5$

70819142069.  $16e - 5$

70819142070.  $16e - 7$

**Question Number : 6 Question Id : 70819112797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The least positive integral value of  $\lambda$  such that  $10^{50} + (3 \times (4)^{52}) + \lambda$  is divisible by 9 is :

**Options :**

70819142071. 5

70819142072. 3

70819142073. 7

70819142074. 1

**Question Number : 6 Question Id : 70819112797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

' $\lambda$ ' کی اقل مثبت کامل قیمت \_\_\_\_\_ اس طرح ہے کہ  $10^{50} + (3 \times (4)^{52}) + \lambda$  ، 9 سے تقسیم پذیر ہے۔

**Options :**

70819142071. 5

70819142072. 3

70819142073. 7

70819142074. 1

**Question Number : 7 Question Id : 70819112798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

There are 4, 5 and 6 points on the three parallel and co-planar lines. If no set of four or more points is cyclic and no set of three points lying on distinct lines is collinear, then the number of circles passing through exactly three points is :

**Options :**

70819142075. 455

70819142076. 421

70819142077. 435



70819142078. 441

**Question Number : 7 Question Id : 70819112798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

تین متوازی اور ہم مستوی خطوط پر 4, 5 اور 6 نقاط واقع ہیں۔ اگر چار یا اس سے زیادہ نقاط کا کوئی سیٹ جو دوری (cyclic) نہیں ہو اور تین نقاط جو کہ مختلف خطوط پر واقع ہیں اور ہم خطی نہیں ہوں تو صرف تین نقاط سے گزرنے والے دائرے کی تعداد \_\_\_\_\_ ہے۔

**Options :**

70819142075. 455

70819142076. 421

70819142077. 435

70819142078. 441

**Question Number : 8 Question Id : 70819112799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If  $y = \frac{ax - b}{(x - 1)(x - 4)}$  has an extremum at the point (2, -1), then the values of a and b are :

**Options :**

70819142079. a = 1, b = 0

70819142080. a = 0, b = 1

70819142081. a = 0, b = -1

70819142082.  $a = -1, b = 1$

**Question Number : 8 Question Id : 70819112799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

اگر  $y = \frac{ax - b}{(x - 1)(x - 4)}$  اس کا اعظم اور اقل (extremum) نقطہ  $(2, -1)$  پر ہے تو  $a$  اور  $b$  کی قیمتیں  
ہیں۔

**Options :**

70819142079.  $a = 1, b = 0$

70819142080.  $a = 0, b = 1$

70819142081.  $a = 0, b = -1$

70819142082.  $a = -1, b = 1$

**Question Number : 9 Question Id : 70819112800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The distance between the planes  $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  and  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  is :

**Options :**

70819142083.  $\frac{9}{13}$

70819142084.  $\frac{15}{4}$

70819142085.

$$\frac{13}{9}$$

70819142086.  $\frac{1}{13}$

**Question Number : 9 Question Id : 70819112800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

مستویوں  $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  اور  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  کے درمیان کا فاصلہ \_\_\_\_\_ ہے۔

**Options :**

70819142083.  $\frac{9}{13}$

70819142084.  $\frac{15}{4}$

70819142085.  $\frac{13}{9}$

70819142086.  $\frac{1}{13}$

**Question Number : 10 Question Id : 70819112801 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The probability of solving a problem in Mathematics by two students X and Y are  $\frac{1}{4}$  and  $\frac{1}{5}$  respectively. If both of them try to solve the problem independently, then the probability that the problem will be solved by exactly one of them is equal to :

**Options :**

70819142087.  $\frac{7}{20}$

70819142088.  $\frac{1}{20}$

70819142089.  $\frac{19}{20}$

70819142090.  $\frac{12}{20}$

**Question Number : 10 Question Id : 70819112801 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

حساب کا ایک مسئلہ کو دو طالب علم X اور Y کے ذریعہ حل کرنے کی احتمال بالترتیب  $\frac{1}{4}$  اور  $\frac{1}{5}$  ہیں۔ اگر دونوں آزادانہ طور پر مسئلے کو حل کرنے کی کوشش کرتے ہیں تو ان میں سے صرف ایک (exactly one) کے مسئلہ کو حل کرنے کی احتمال \_\_\_\_\_ ہے۔

**Options :**

70819142087.  $\frac{7}{20}$

70819142088.  $\frac{1}{20}$

70819142089.  $\frac{19}{20}$

70819142090.  $\frac{12}{20}$

**Question Number : 11 Question Id : 70819112802 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The polar form of the complex number  $\frac{1+i}{1-i}$  is equal to :

**Options :**

70819142091.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819142092.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819142093.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819142094.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

**Question Number : 11 Question Id : 70819112802 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ملف عدد  $\frac{1+i}{1-i}$  (complex number) کا قطبى شکل (polar form) کے برابر ہے۔

**Options :**

70819142091.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819142092.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819142093.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

$$\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$$

70819142094.

**Question Number : 12 Question Id : 70819112803 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

If the equation of a line which divides the line segment joining the points (1, 0) and (3, 0) in the ratio 2 : 1 and is also perpendicular to it, is  $ax = 7$ , then the value of a is equal to :

**Options :**

70819142095. 2

70819142096. 3

70819142097. 4

70819142098. 1

**Question Number : 12 Question Id : 70819112803 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

اگر خط کی مساوات  $ax = 7$  جو نقاط (1, 0) اور (3, 0) کو ملانے والے قطع خط کو 2 : 1 کی نسبت میں تقسیم کرتا ہے اور اس پر عمود بھی ہے تو a کی قیمت \_\_\_\_\_ کے برابر ہے۔

**Options :**

70819142095. 2

70819142096. 3

70819142097. 4

70819142098. 1

**Question Number : 13 Question Id : 70819112804 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Equation of the circle, which is the mirror image of the circle  $x^2 + y^2 - 2x = 0$  with respect to the line  $x + y = 2$ , is :

**Options :**

70819142099.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819142100.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819142101.  $2(x^2 + y^2) - x + y + 1 = 0$

70819142102.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 13 Question Id : 70819112804 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

اس دائرے کے مساوات کیا ہیں جو دائرہ  $x^2 + y^2 - 2x = 0$  کا  $x + y = 2$  کے لحاظ سے آئینہ عکس ہے۔

**Options :**

70819142099.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819142100.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819142101.  $2(x^2 + y^2) - x + y + 1 = 0$

70819142102.  $x^2 + y^2 - 2x - 4y + 3 = 0$

Question Number : 14 Question Id : 70819112805 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Equations of the common tangent of the ellipse  $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  and the circle  $(x+1)^2 + (y-1)^2 = 4$  are :

Options :

70819142103.  $y+3=0$  and  $x-1=0$

70819142104.  $x-3=0$  and  $y+1=0$

70819142105.  $x+3=0$  and  $x-1=0$

70819142106.  $y+3=0$  and  $y-1=0$

Question Number : 14 Question Id : 70819112805 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

بیضوی  $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  اور دائرہ  $(x+1)^2 + (y-1)^2 = 4$  کے مشترک مماس (common tangent) کی مساواتیں \_\_\_\_\_ ہیں۔

Options :

70819142103.  $x-1=0$  اور  $y+3=0$

70819142104.  $y+1=0$  اور  $x-3=0$

70819142105.  $x-1=0$  اور  $x+3=0$



70819142106.  $y - 1 = 0$  or  $y + 3 = 0$

Question Number : 15 Question Id : 70819112806 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$ , then  $A^k$  ( $k \in \mathbb{N}$ ) is :

Options :

70819142107.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819142108.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819142109.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819142110.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 15 Question Id : 70819112806 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

\_\_\_\_\_  $A^k$  ( $k \in \mathbb{N}$ ) if  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$

Options :

70819142107.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819142108.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819142109.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819142110.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

**Question Number : 16 Question Id : 70819112807 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The values of  $s$  and  $t$ , for which the system of equations

$$x_1 + x_2 + x_3 = 5$$

$$x_1 + 2x_2 + 3x_3 = 9$$

$$x_1 + 3x_2 + sx_3 = t$$

has no solution, are :

**Options :**

70819142111.  $s=5, t=13$

70819142112.  $s \neq 5$

70819142113.  $s=5, t \neq 13$

70819142114.  $t \neq 13$

**Question Number : 16 Question Id : 70819112807 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

s اور t کی قیمتیں \_\_\_\_\_ ہے جس کے لئے مساوات کے نظام

$$x_1 + x_2 + x_3 = 5$$

$$x_1 + 2x_2 + 3x_3 = 9$$

$$x_1 + 3x_2 + sx_3 = t$$

کا کوئی حل نہیں (no solution) ہے۔

**Options :**

70819142111.  $s=5, t=13$

70819142112.  $s \neq 5$

70819142113.  $s=5, t \neq 13$

70819142114.  $t \neq 13$

**Question Number : 17 Question Id : 70819112808 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Derivative of  $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  with respect to  $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  in  $(1, \infty)$ , is :

**Options :**

70819142115. 1

70819142116. -1

70819142117. 0

70819142118. 2

Question Number : 17 Question Id : 70819112808 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

\_\_\_\_\_ (Derivative) کے لحاظ سے مشتق  $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  کا  $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  میں  $(1, \infty)$  ہے۔

Options :

70819142115. 1

70819142116. -1

70819142117. 0

70819142118. 2

Question Number : 18 Question Id : 70819112809 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Let  $\vec{a}$ ,  $\vec{b}$  and  $\vec{c}$  be three vectors such that  $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$ . If  $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$ , then

the acute angle between  $\vec{a}$  and  $\vec{c}$  is:

Options :

70819142119.  $\frac{\pi}{6}$

70819142120.  $\frac{\pi}{4}$

70819142121.  $\frac{\pi}{3}$

70819142122.

$$\frac{5\pi}{12}$$

Question Number : 18 Question Id : 70819112809 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

فرض کیجئے  $\vec{a}$ ,  $\vec{b}$  اور  $\vec{c}$  تین سمتیے (vectors) اسطرح ہیں کہ  $\frac{|\vec{a}|}{2} = \frac{|\vec{b}|}{2} = \frac{|\vec{c}|}{2} = 1$ ۔ اگر  $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$  ہو تو  $\vec{a}$  اور  $\vec{c}$  کے درمیان کا زاویہ حادہ ہے۔

Options :

70819142119.  $\frac{\pi}{6}$

70819142120.  $\frac{\pi}{4}$

70819142121.  $\frac{\pi}{3}$

70819142122.  $\frac{5\pi}{12}$

Question Number : 19 Question Id : 70819112810 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Solution of the differential equation  $(1 + y^2)dx = (\tan^{-1}y - x)dy$  is :  
(where c is an arbitrary constant)

Options :

70819142123.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819142124.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819142125.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819142126.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

**Question Number : 19 Question Id : 70819112810 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

- ہے \_\_\_\_\_ کا حل  $(1+y^2)dx = (\tan^{-1}y - x)dy$  (differential equation) تفریقی مساوات  
(یہاں پر 'c' ایک معمول مستقل (arbitrary constant) ہے)

**Options :**

70819142123.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819142124.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819142125.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819142126.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

**Question Number : 20 Question Id : 70819112811 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The values of  $x$ , for which the vectors  $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  make acute angles with the (positive directions of) coordinate axes lie in :

**Options :**

70819142127.  $[-5, -4] \cup [4, 5]$

70819142128.  $[-5, 4) \cup (-4, 5]$

70819142129.  $(-5, -4) \cup (4, 5)$

70819142130.  $(-5, 4) \cup (-4, 5)$

**Question Number : 20 Question Id : 70819112811 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

\_\_\_\_\_ کی قیمت  $x$  میں واقع ہے جس کے لئے سمتیہ  $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  یہ مثبت سمت میں محدودی محوروں (coordinate axes) کے ساتھ زاویہ حادہ بناتے ہیں۔

**Options :**

70819142127.  $[-5, -4] \cup [4, 5]$

70819142128.  $[-5, 4) \cup (-4, 5]$

70819142129.  $(-5, -4) \cup (4, 5)$

70819142130.  $(-5, 4) \cup (-4, 5)$

## Mathematics Section B

**Section Id :**

708191442

**Section Number :**

2

**Section type :**

Online

**Mandatory or Optional :**

Mandatory

<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	5
<b>Section Marks :</b>	20
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	708191722
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 70819112812 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$$\int_0^{\pi} \sqrt{\frac{1 + \cos 2x}{2}} dx \text{ is } \underline{\hspace{2cm}}.$$

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 21 Question Id : 70819112812 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$$\leftarrow \underline{\hspace{2cm}} \int_0^{\pi} \sqrt{\frac{1 + \cos 2x}{2}} dx$$

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**



5 to 5.001

Question Number : 22 Question Id : 70819112813 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The minimum value of  $9\tan^2\theta + 4\cot^2\theta$  is \_\_\_\_\_.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 22 Question Id : 70819112813 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

\_\_\_\_\_ (minimum value) کی کم سے کم قیمت  $9\tan^2\theta + 4\cot^2\theta$  ہے۔

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

5 to 5.001

Question Number : 23 Question Id : 70819112814 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

The length of the perpendicular from the point (1, 2, 3) to the line  $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$  is \_\_\_\_\_.

Response Type : Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 23 **Question Id :** 70819112814 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

$$\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2} \text{ خط}$$

----- (length of the perpendicular) سے عمود کی لمبائی (1, 2, 3) پر نقطہ

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 24 **Question Id :** 70819112815 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

If  $\log_3 2$ ,  $\log_3 (2^x - 5)$  and  $\log_3 \left(2^x - \frac{7}{2}\right)$  are in Arithmetic Progression, then the value of  $x$  is

-----

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 24 Question Id : 70819112815 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$$\log_3\left(2^x - \frac{7}{2}\right) \text{ اور } \log_3(2^x - 5) , \log_3 2 \text{ اگر}$$

سلسلہ حسابیہ (Arithmetic Progression) میں ہیں تو  $x$  کی قیمت \_\_\_\_\_ ہے۔

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 25 Question Id : 70819112816 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$$\text{If } x^2 + x + 1 = 0, \text{ then } - \left\{ \left( x - \frac{1}{x} \right)^2 + \left( x^2 - \frac{1}{x^2} \right)^2 + \left( x^3 - \frac{1}{x^3} \right)^2 \right\} \text{ is } \text{_____}.$$

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 25 Question Id : 70819112816 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

$$x^2 + x + 1 = 0$$

$$- \left\{ \left( x - \frac{1}{x} \right)^2 + \left( x^2 - \frac{1}{x^2} \right)^2 + \left( x^3 - \frac{1}{x^3} \right)^2 \right\}$$

← \_\_\_\_\_

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 26 **Question Id :** 70819112817 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

$x^2 + y^2 - 4x - 2y - 11 = 0$  is a circle to which tangents are drawn from the point (4, 5) which form a quadrilateral with a pair of radii. The area of this quadrilateral in square units is \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 26 **Question Id :** 70819112817 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

دائرہ  $x^2 + y^2 - 4x - 2y - 11 = 0$  پر نقطہ (4, 5) سے مماس (tangents) کھینچے گئے ہیں جو نصف قطروں (radii) کی جوڑی کے ساتھ مل کر چار ضلعی بناتے ہیں۔ اس چار ضلعی کا رقبہ مربع اکائی میں \_\_\_\_\_ ہے۔

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 27 **Question Id :** 70819112818 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

If the sum of mean and variance of a binomial distribution is 15 and the sum of their squares is 117, then the number of independent trials is equal to \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 27 **Question Id :** 70819112818 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

اگر ایک ثنائی تقسیم (binomial distribution) میں اوسط (mean) اور تغیر (variance) کا مجموعہ 15 ہے۔ اور ان کے مربعوں (squares) کا مجموعہ 117 ہے تو آزاد آزمائش (independent trials) کی تعداد \_\_\_\_\_ ہے۔

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 28 Question Id : 70819112819 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

Let the equation of the plane passing through the points (1, 2, 6), (2, 5, 7) and perpendicular to the plane  $4x - y + z = 15$  be  $ax + by + cz + d = 0$ . If  $a, b, c, d \in \mathbb{Z}$  with  $\gcd(|a|, |b|, |c|) = 1$ , then  $|a + b + c + d|$  is equal to \_\_\_\_\_.

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 28 Question Id : 70819112819 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

فرض کیجئے  $ax + by + cz + d = 0$  اس مستوی کی مساوات ہے جو نقاط (1, 2, 6)، (2, 5, 7) میں سے گزرتی ہے اور مستوی  $4x - y + z = 15$  پر عمود ہے۔  
اگر  $a, b, c, d \in \mathbb{Z}$  اس طرح ہے کہ  $\gcd(|a|, |b|, |c|) = 1$  تو  $|a + b + c + d|$  کے برابر ہے۔

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

5 to 5.001

**Question Number : 29 Question Id : 70819112820 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

The number of real solutions in the interval  $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  of the equation  $4\sin^2x - 8\sin x + 3 = 0$  is \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 29 Question Id : 70819112820 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

\_\_\_\_\_ میں  $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  کی تعداد و نقطہ (real solutions) کے حقیقی حل  $4\sin^2x - 8\sin x + 3 = 0$  مساوات

←

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number : 30 Question Id : 70819112821 Question Type : SA**

**Correct Marks : 4 Wrong Marks : 0**

Let  $A_1, A_2, A_3, \dots$  be an increasing geometric progression. If  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  and  $A_5A_7 = 441$ , then  $3(A_2 + A_4)$  is equal to \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

**Question Number :** 30 **Question Id :** 70819112821 **Question Type :** SA

**Correct Marks :** 4 **Wrong Marks :** 0

(Increasing geometric progression) فرض کیجئے  $A_1, A_2, A_3, \dots$  ایک آگے بڑھنے والا سلسلہ ہندی

ہے۔ اگر  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  اور  $A_5 A_7 = 441$  تو  $3(A_2 + A_4)$  کے برابر ہے۔

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

5 to 5.001

## Aptitude Test

<b>Section Id :</b>	708191443
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1



Sub-Section Id :

708191723

Question Shuffling Allowed :

Yes

Question Number : 31 Question Id : 70819112822 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which among the following is the full form of the 'UNESCO' ?

Options :

70819142141. United Nations Educational, Scientific & Cultural Organization.

70819142142. United Nations Educational Security Cultural Organization.

70819142143. United Nations Entrance Site Calling Organization.

70819142144. United Nations Educational, Sustainable & Cultural Organization.

Question Number : 31 Question Id : 70819112822 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان میں سے کونسا 'یونسکو' کا پورا نام ہے ؟

Options :

70819142141. یونائٹڈ نیشنس ایجوکیشنل، سائینٹفک اینڈ کلچرل آرگنائزیشن

70819142142. یونائٹڈ نیشنس ایجوکیشنل اینڈ سکوریٹی کلچرل آرگنائزیشن

70819142143. یونائٹڈ نیشنس انٹرنس سائٹ کالنگ آرگنائزیشن

70819142144. یونائٹڈ نیشنس ایجوکیشنل، سسٹینیبیل کلچرل آرگنائزیشن

Question Number : 32 Question Id : 70819112823 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List - I with List - II.

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



Options :

70819142145. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819142146. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819142147. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819142148. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 32 Question Id : 70819112823 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

فہرست I کو فہرست II کے ساتھ جوڑیں۔ میل کرائیے :

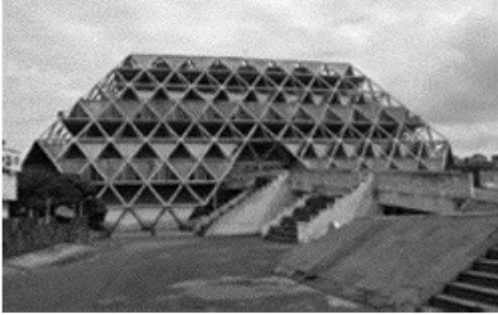
فہرست II۔

فہرست I۔



(a)

ہال آف نیشن (I)



(b)

فانگ واپنسھوینا (II)



(c)

پٹروناس ٹاور (III)



(d)

سکریرٹ (IV)

Options :

70819142145. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819142146. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819142147. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819142148. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 33 Question Id : 70819112824 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I	List - II
(I) Kamru	(a) Victoria Memorial Hall
(II) Delhi	(b) Badrinath Temple
(III) Fatehpur Sikri	(c) Khirki Masjid
(IV) Kolkata	(d) Buland Darwaja

**Options :**

70819142149. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819142150. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819142151. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819142152. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 33 Question Id : 70819112824 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

فہرست-I کو فہرست-II کے ساتھ جوڑیں۔ میل کرائیے :

فہرست-II	فہرست-I
(a) وکٹوریہ میموریل ہال	(I) کامرو
(b) پداری ناتھ مندر	(II) دہلی
(c) کھڑکی مسجد	(III) فتح پور سیکری
(d) بلند دروازہ	(IV) کولکتہ

**Options :**

70819142149. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819142150. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819142151. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819142152. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 34 Question Id : 70819112825 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



Options :

70819142153. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819142154. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819142155. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819142156. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819112825 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

فہرست I کو فہرست II کے ساتھ جوڑیں۔ میل کرائیے :

فہرست II

فہرست I



(a)

آگرہ قلعہ (I)



(b)

اطالہ مسجد (II)



(c)

نالندہ یونیورسٹی (III)



(d)

جگن ناتھ مندر (IV)

Options :

70819142153. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819142154. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)



70819142155. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819142156. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 35 Question Id : 70819112826 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I		List - II	
(I)	Yadvindra Garden	(a)	Manali
(II)	Vishnu Temple	(b)	Amritsar
(III)	Hidimba Temple	(c)	Pinjore
(IV)	Hari Mandir	(d)	Buniyar

**Options :**

70819142157. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819142158. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819142159. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819142160. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 35 Question Id : 70819112826 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

فہرست I کو فہرست II کے ساتھ جوڑ۔ میل کرائیے :

فہرست II	فہرست I
(a) منالی	(I) یادویندراباغ
(b) امرتسر	(II) ویشنومندر
(c) پنجوڑ	(III) ہیدمبامندر
(d) بنیار	(IV) ہری مندر

**Options :**

70819142157. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819142158. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819142159. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819142160. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 36 Question Id : 70819112827 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List - I with List - II.

List - I	List - II
(I) Mehrangarh Fort	(a) Hyderabad
(II) Siri Fort	(b) Kolkata
(III) Golconda Fort	(c) Delhi
(IV) Fort William	(d) Jodhpur

Choose the correct answer from options given below :

**Options :**

70819142161. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819142162. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819142163. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819142164. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

Question Number : 36 Question Id : 70819112827 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

فہرست I کو فہرست II کے ساتھ جوڑ۔ میل کرائیے :

فہرست II		فہرست I	
حیدرآباد	(a)	مہران گڈھ قلعہ	(I)
کولکتہ	(b)	سیری قلعہ	(II)
دہلی	(c)	گولکنڈہ قلعہ	(III)
جوڈھپور	(d)	فورٹ (قلعہ) ولیم	(IV)

نیچے پیش کئے گئے جوابوں میں سے صحیح جواب منتخب کریں :

Options :

70819142161. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819142162. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819142163. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819142164. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

Question Number : 37 Question Id : 70819112828 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Book 'God of small things' is written by which Indian Architect ?

Options :

70819142165. B.V. Doshi

70819142166. Arundhati Roy

70819142167. Revati Kamat

70819142168. Bimal Patel

**Question Number : 37 Question Id : 70819112828 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

کتاب ”گاڈ آف اسمال ٹھنکس“ کس ہندوستانی معمار نے لکھی ہے ؟

**Options :**

70819142165. بی۔وی۔دوشی

70819142166. اروندھتی رائے

70819142167. ریوتی کامت

70819142168. بمل پٹیل

**Question Number : 38 Question Id : 70819112829 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Jharokha' is a type of window mostly found in :

**Options :**

70819142169. Gujarat

70819142170. West Bengal

70819142171. Tamil Nadu

70819142172. Rajasthan

**Question Number : 38 Question Id : 70819112829 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

’جھاروکھا‘ (جھروکہ) قسم کی کھڑکی زیادہ تر کہاں پائی جاتی ہے ؟

**Options :**

70819142169. گجرات

70819142170. ویسٹ بنگال

70819142171. تمل ناڈو

70819142172. راجستھان

**Question Number : 39 Question Id : 70819112830 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The monsoon wind enters in Indian sub-continent from which direction ?

**Options :**

70819142173. North-West side

70819142174. South-East side

70819142175. North side

70819142176. South-West side

**Question Number : 39 Question Id : 70819112830 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

موسمی ہوائیں ہندوستانی براعظم میں کس سمت سے داخلہ لیتی ہیں ؟

**Options :**

70819142173. شمال مغرب کی طرف

70819142174. جنوب مشرق کی طرف

70819142175. شمال کی طرف

70819142176. جنوب مغرب کی طرف

**Question Number : 40 Question Id : 70819112831 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following building represents the colonial Architectural pattern in India ?

**Options :**

70819142177. Bharat Bhavan in Bhopal

70819142178. LIC Building in Delhi

70819142179. Charminar in Hyderabad

70819142180. Victoria Memorial in Kolkata

**Question Number : 40 Question Id : 70819112831 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ان میں سے کون سی عمارت کولونیل آرکیٹیکچر کا اچھا نمونہ ہے ؟

**Options :**

70819142177. بھارت بھون بھوپال میں

70819142178. ایل۔ آئی۔ سی عمارت دہلی میں

70819142179. چارمینار حیدرآباد میں

70819142180. وکٹوریہ میموریل کولکتہ میں

**Question Number : 41 Question Id : 70819112832 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the size of A2 Drawing sheet ?

**Options :**

70819142181.  $420 \times 590$  (mm  $\times$  mm)

70819142182.  $420 \times 594$  (mm  $\times$  mm)

70819142183.  $297 \times 420$  (mm  $\times$  mm)

70819142184. 420 × 592 (mm × mm)

**Question Number : 41 Question Id : 70819112832 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A2 ڈرائنگ کاغذ کا ناپ کیا ہوتا ہے ؟

**Options :**

70819142181. 420 × 590 (mm × mm)

70819142182. 420 × 594 (mm × mm)

70819142183. 297 × 420 (mm × mm)

70819142184. 420 × 592 (mm × mm)

**Question Number : 42 Question Id : 70819112833 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Victory Tower belongs to which of the following fort :

**Options :**

70819142185. Chittor fort

70819142186. Jaigarh fort

70819142187. Bhangarh fort

70819142188. Amer fort



Question Number : 42 Question Id : 70819112833 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

وکٹری ٹاوران میں سے کس قلعہ میں ہے ؟

Options :

70819142185. چٹوڑ قلعہ

70819142186. جے گڈھ قلعہ

70819142187. بھان گڈھ قلعہ

70819142188. آمیر قلعہ

Question Number : 43 Question Id : 70819112834 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which amongst the following Architect has designed the famous Temple "Akshardham" ?

Options :

70819142189. Sanjay Puri

70819142190. Vikram Lall

70819142191. Ashok Lall

70819142192. C. Sompura

Question Number : 43 Question Id : 70819112834 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان میں سے کس معمار نے "اکشردھام" مندر بنایا ہے ؟

Options :

70819142189. سنجے پوری

70819142190. وکرم لال

70819142191. اشوک لال

70819142192. سی۔ سوپورا

Question Number : 44 Question Id : 70819112835 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Volume Zero' Documentary is on which Architect ?

Options :

70819142193. Charles Correa

70819142194. Richard Mier

70819142195. Jasbir Sachdev

70819142196. Ranjit Sabliki

Question Number : 44 Question Id : 70819112835 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

**Correct Marks : 4 Wrong Marks : 1**

”والیوم زیرو“ دستاویزی فلم کس معمار کے حال پر ہے ؟

**Options :**

70819142193. چارلس کوریا

70819142194. رچرڈ میئر

70819142195. جسپر سچدیو

70819142196. رنجیت سہلی

**Question Number : 45 Question Id : 70819112836 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

‘Agenda 21’ is declaration related with :

**Options :**

70819142197. Climate change

70819142198. Global warming

70819142199. Sustainable development

70819142200. Smart city

**Question Number : 45 Question Id : 70819112836 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ایجنڈا-۲۱ (21) کس اعلامیہ سے متعلق ہے ؟

**Options :**

70819142197. موٹی بدلاؤ

70819142198. گلوبل وارمنگ (کروی گرمی)

70819142199. سسٹینیبیل ڈیولپمنٹ

70819142200. اسارٹ شی

**Question Number : 46 Question Id : 70819112837 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Gold mines are situated in which state of India ?

**Options :**

70819142201. Karnataka

70819142202. Orissa

70819142203. Maharashtra

70819142204. Uttar Pradesh

**Question Number : 46 Question Id : 70819112837 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

سونے کی کانیں ہندوستان کی کس ریاست میں ہیں؟

**Options :**

70819142201. کرناٹک

70819142202. اوڈیشہ

70819142203. مہاراشٹر

70819142204. اترپردیش

**Question Number : 47 Question Id : 70819112838 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the Southern Hemisphere shadowless light is from which direction ?

**Options :**

70819142205. North

70819142206. South

70819142207. East

70819142208. West

**Question Number : 47 Question Id : 70819112838 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

نصف کرہ جنوبی میں بنا سایہ والی روشنی کس سمت میں ہوتی ہے ؟

**Options :**

70819142205. شمال

70819142206. جنوب

70819142207. مشرق

70819142208. مغرب

**Question Number : 48 Question Id : 70819112839 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The first Indian Architect who has won Pritzker Prize in 2018 is :

**Options :**

70819142209. B.V. Doshi

70819142210. Laurie Baker

70819142211. Raj Rewal

70819142212. Achyut Kanvinde

**Question Number : 48 Question Id : 70819112839 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

پہلا ہندوستانی معمار جس نے 2018 میں پرزکر انعام جیتا :

**Options :**

70819142209. بی۔وی۔دوشی

70819142210. لوڑی بیکر

70819142211. راج ریوال

70819142212. اچیت کونڈے

**Question Number : 49 Question Id : 70819112840 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Word "Bungalow" has originated from :

**Options :**

70819142213. Bengalurm

70819142214. Banaras

70819142215. Bengal

70819142216. Bari

**Question Number : 49 Question Id : 70819112840 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

لفظ "بگلہ" (Bungalow) کہاں سے وجود میں آیا ہے ؟

**Options :**

70819142213. بنگالورم

70819142214. بنارس

70819142215. بنگال

70819142216. باری

**Question Number : 50 Question Id : 70819112841 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The IIM - Ahmedabad is designed by which of the following Architect ?

**Options :**

70819142217. Laurie Baker

70819142218. Louis Kahn

70819142219. Lutyen

70819142220. Le Corbusier

**Question Number : 50 Question Id : 70819112841 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

”آئی۔ آئی۔ ایم احمدآباد۔ ان میں سے کس معمار نے بنایا ؟

**Options :**

70819142217. لوئری بیکر

70819142218. لوئیس کان



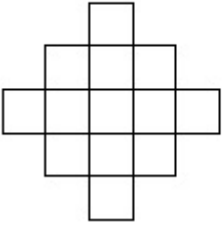
70819142219. لثین

70819142220. لی کور بونیمیر

**Question Number : 51 Question Id : 70819112842 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the given figure, how many squares are present ?



**Options :**

70819142221. 14

70819142222. 13

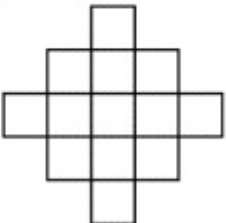
70819142223. 15

70819142224. 18

**Question Number : 51 Question Id : 70819112842 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

اس نقش میں کتنے مربع ہیں ؟



**Options :**

70819142221. 14

70819142222. 13

70819142223. 15

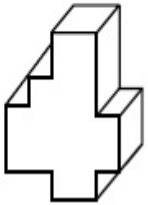
70819142224. 18

**Question Number : 52 Question Id : 70819112843 Question Type : MCQ Option Shuffling : Yes**

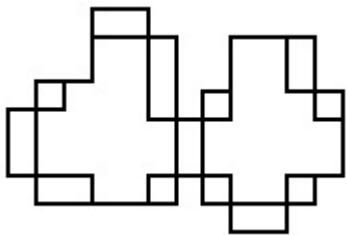
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

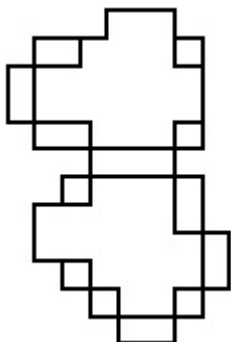
A drawing is provided with all the folds to construct the following three Dimensional object.  
Select the correct one.



**Options :**

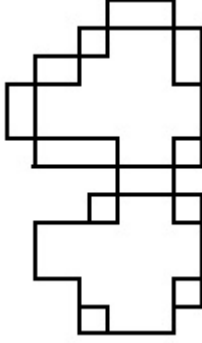
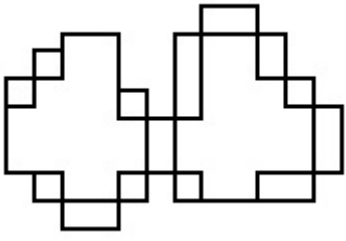


70819142225.



70819142226.

70819142227.



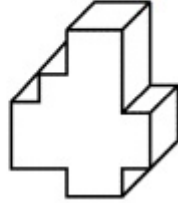
70819142228.

Question Number : 52 Question Id : 70819112843 Question Type : MCQ Option Shuffling : Yes

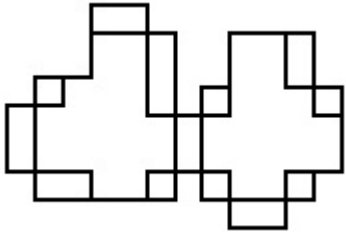
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

دیئے ہوئے ۳-جہتی اعتراض (سہ ابعادی تصویر) کا کون سا موڑ کا خاکہ صحیح ہے ؟

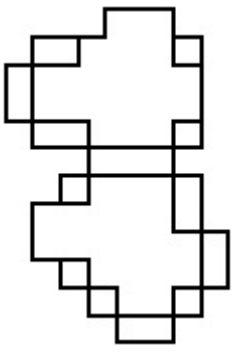


Options :

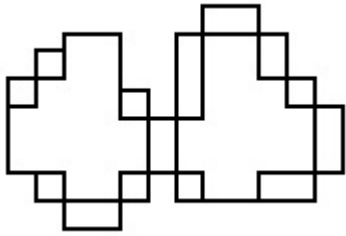


70819142225.

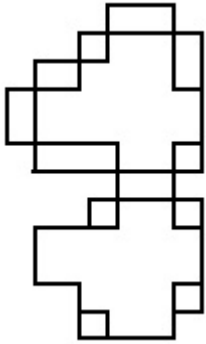
70819142226.



70819142227.



70819142228.

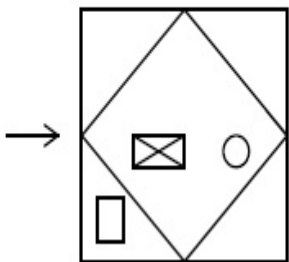


**Question Number : 53 Question Id : 70819112844 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

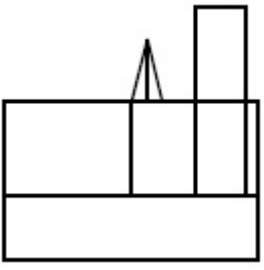
**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

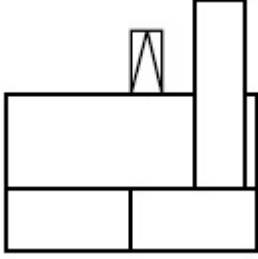


**Options :**

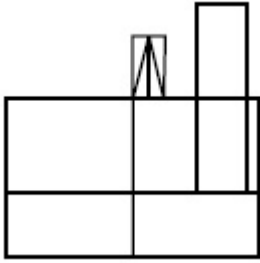
70819142229.



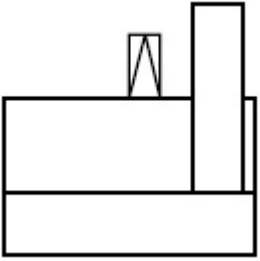
70819142230.



70819142231.



70819142232.

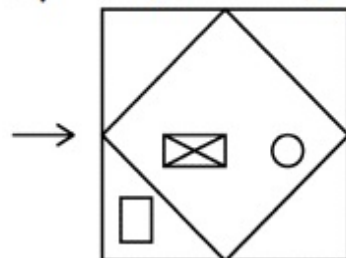


Question Number : 53 Question Id : 70819112844 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

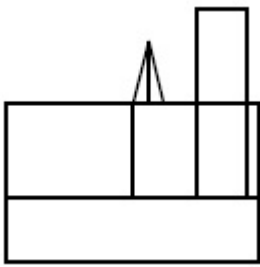
Correct Marks : 4 Wrong Marks : 1

دیئے گئے نقشے میں ایک شے کا اوپری نظارہ دکھ رہا ہے اس شے کو تیر کی طرف سے دیکھئے؟ صحیح دکھائی دینے والا نظارہ کو پہچانیئے۔

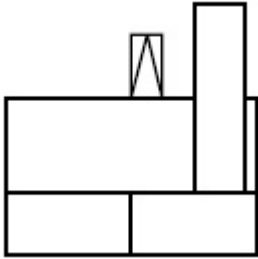


Options :

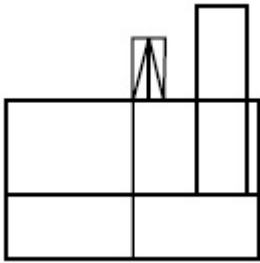
70819142229.



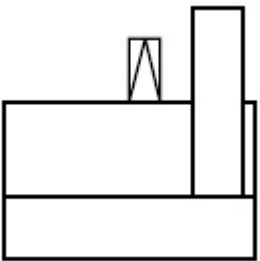
70819142230.



70819142231.



70819142232.

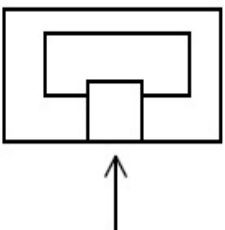


**Question Number : 54 Question Id : 70819112845 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

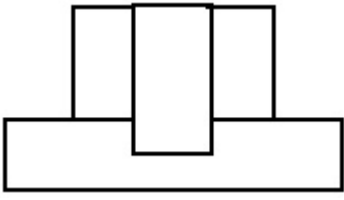
**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.

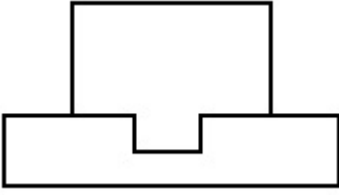


**Options :**

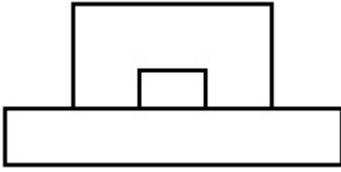
70819142233.



70819142234.



70819142235.



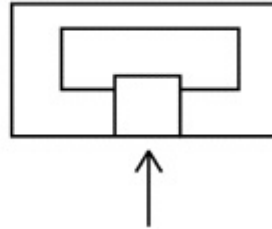
70819142236.



Question Number : 54 Question Id : 70819112845 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

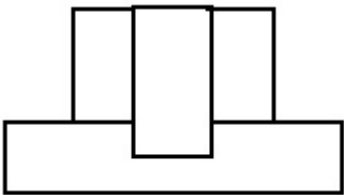
Correct Marks : 4 Wrong Marks : 1

اس سوالیہ نقشے میں ایک چیز کا اوپری نظارہ دکھایا گیا ہے۔ تیر کے نشان کی طرف سے اس کا سامنے کا نظارہ کیا ہوگا ؟

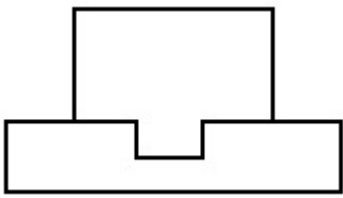


Options :

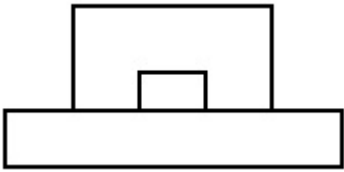
70819142233.



70819142234.



70819142235.



70819142236.

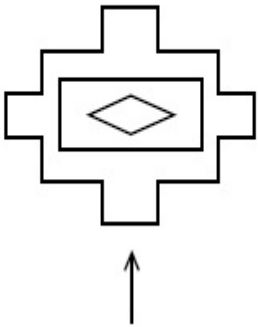


**Question Number : 55 Question Id : 70819112846 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

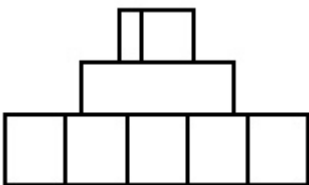
**Correct Marks : 4 Wrong Marks : 1**

The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



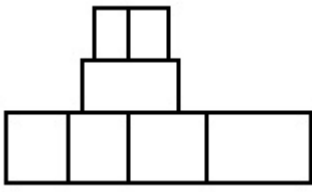
**Options :**

70819142237.

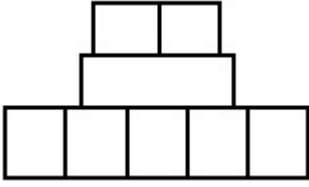




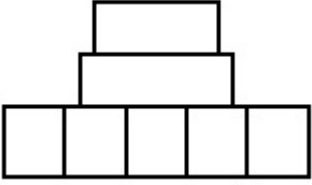
70819142238.



70819142239.



70819142240.

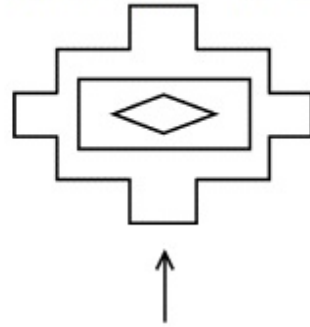


Question Number : 55 Question Id : 70819112846 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

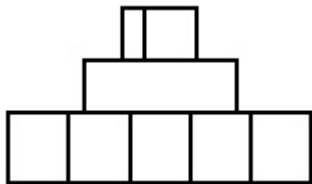
Correct Marks : 4 Wrong Marks : 1

اس سوالیہ نقشے میں ایک چیز کا اوپری نظارہ دکھایا گیا ہے۔ تیر کے نشان کی طرف سے دیکھنے پر دکھنے والا اس کا صحیح نظارہ کیا ہوگا؟

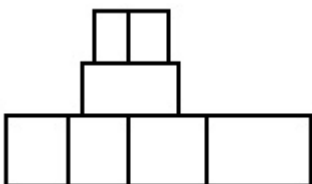


Options :

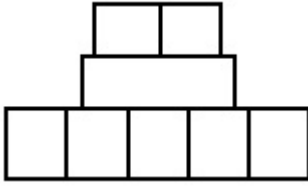
70819142237.



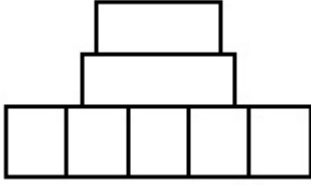
70819142238.



70819142239.



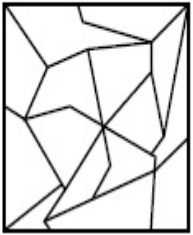
70819142240.



**Question Number : 56 Question Id : 70819112847 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One of the following answer figures is hidden in problem figure in same size and direction.  
Select correct one.



**Options :**

70819142241.



70819142242.



70819142243.



70819142244.

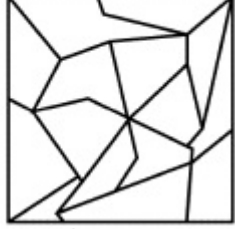


Question Number : 56 Question Id : 70819112847 Question Type : MCQ Option Shuffling : Yes

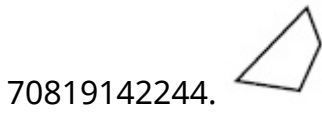
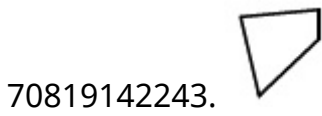
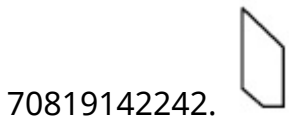
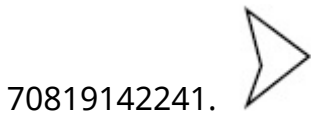
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان میں سے کون سا ٹکڑا جوں کا توں نیچے دیئے گئے تصویر کا حصہ ہے :



Options :

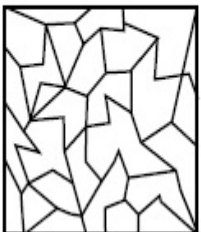


Question Number : 57 Question Id : 70819112848 Question Type : MCQ Option Shuffling : Yes


Is Question Mandatory : No


Correct Marks : 4 Wrong Marks : 1


One of the following answer figures is hidden in problem figure in the same size and direction.  
Select correct one.




**Options :**

70819142245. 

70819142246. 

70819142247. 

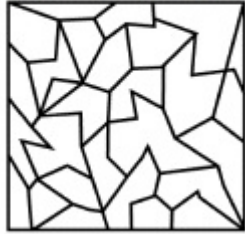
70819142248. 

**Question Number : 57 Question Id : 70819112848 Question Type : MCQ Option Shuffling : Yes**


**Is Question Mandatory : No**


**Correct Marks : 4 Wrong Marks : 1**


ان میں سے کونسا ٹکڑا جوں کاتوں نیچے دیئے گئے تصویر کا حصہ ہے ؟




**Options :**

70819142245. 

70819142246. 

70819142247. 

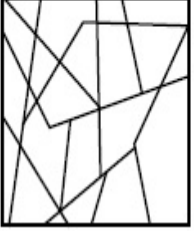
70819142248. 

Question Number : 58 Question Id : 70819112849 Question Type : MCQ Option Shuffling : Yes

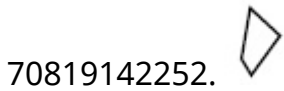
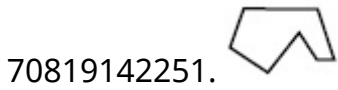
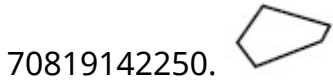
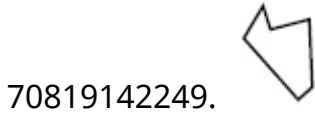
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

One of the following answer figures is hidden in the problem figure in same size and direction.  
Select the correct one.



Options :

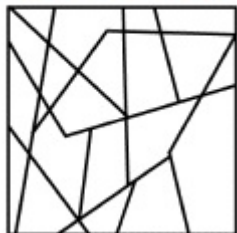


Question Number : 58 Question Id : 70819112849 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان میں سے کونسا کلر ا جوں کاتوں نیچے دی گئی تصویر کا حصہ ہے ؟



Options :

70819142249.



70819142250.



70819142251.



70819142252.

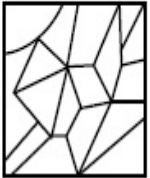


**Question Number : 59 Question Id : 70819112850 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One of the following answer figures is hidden in the problem figure in same size and direction.  
Select the correct one.



**Options :**

70819142253.



70819142254.



70819142255.



70819142256.

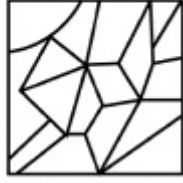


Question Number : 59 Question Id : 70819112850 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان میں سے کونسا ٹکڑا جوں کاتوں نیچے دی گئی تصویر کا حصہ ہے ؟



Options :

70819142253.

70819142254.

70819142255.

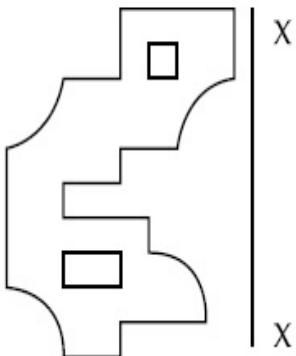
70819142256.

Question Number : 60 Question Id : 70819112851 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

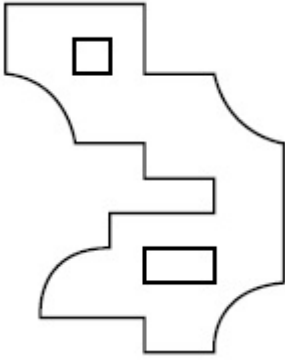
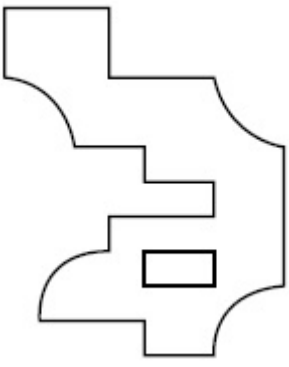
Correct Marks : 4 Wrong Marks : 1

Which one of the answer figures is correct mirror image of problem figure with respect to X-X ?

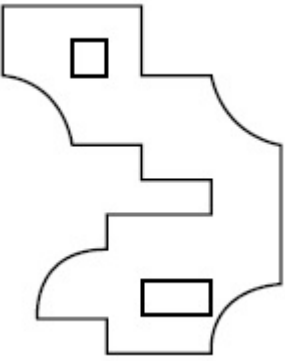


Options :

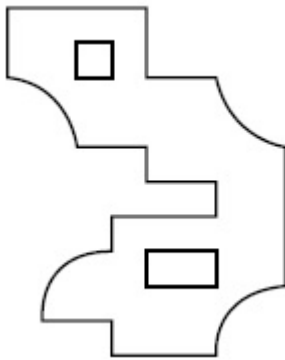
70819142257.



70819142258.



70819142259.

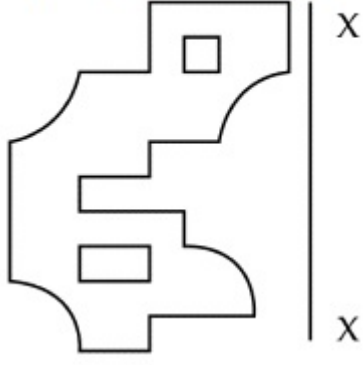


70819142260.

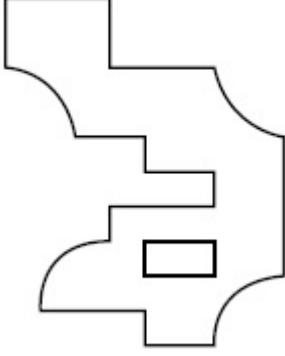
**Question Number : 60 Question Id : 70819112851 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No  
Correct Marks : 4 Wrong Marks : 1**



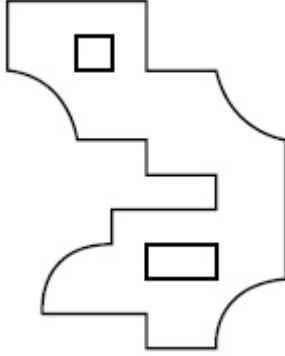
ان میں سے کونسا نقشہ دی ہوئی تصویر کا  $X-X$  کے متعلق صحیح عکس ہے ؟



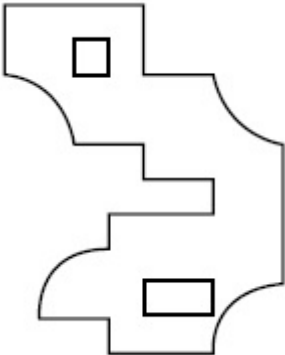
Options :



70819142257.

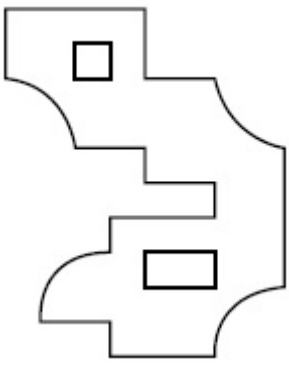


70819142258.



70819142259.

70819142260.

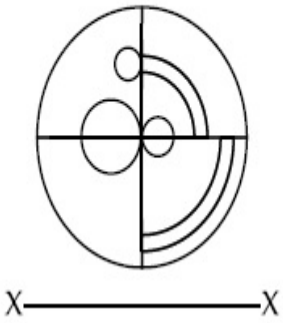


**Question Number : 61 Question Id : 70819112852 Question Type : MCQ Option Shuffling : Yes**

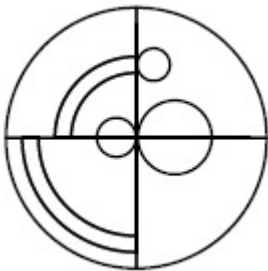
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

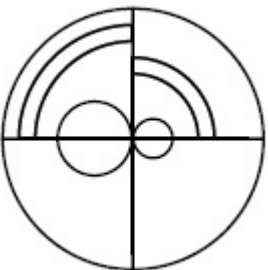
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



**Options :**

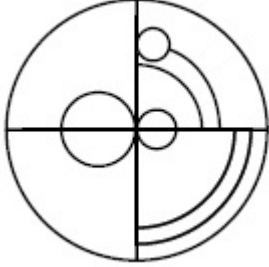
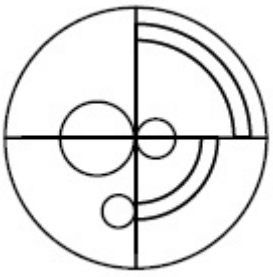


70819142261.



70819142262.

70819142263.



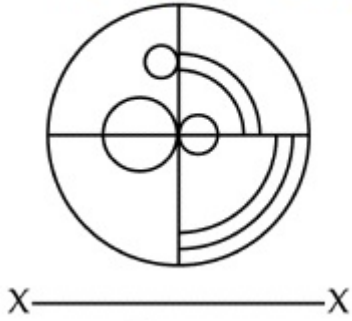
70819142264.

Question Number : 61 Question Id : 70819112852 Question Type : MCQ Option Shuffling : Yes

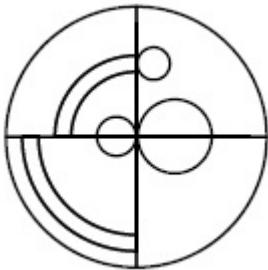
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان میں سے کونسا نقشہ دی ہوئی تصویر کا X-X کے متعلق صحیح عکس ہے ؟

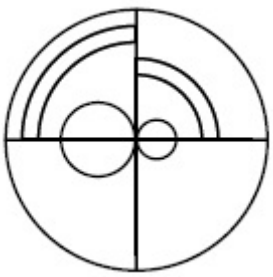


Options :

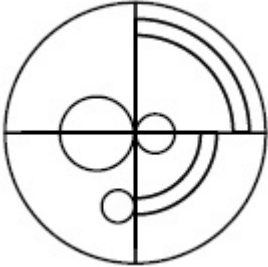


70819142261.

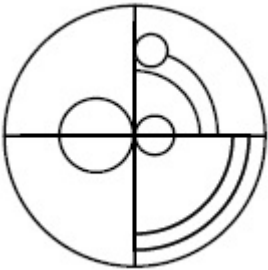
70819142262.



70819142263.



70819142264.

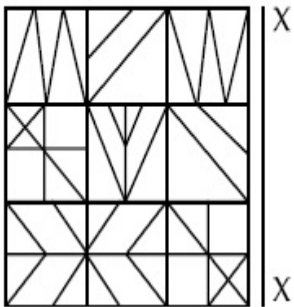


**Question Number : 62 Question Id : 70819112853 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

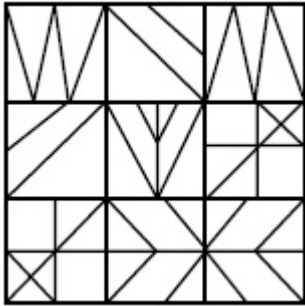
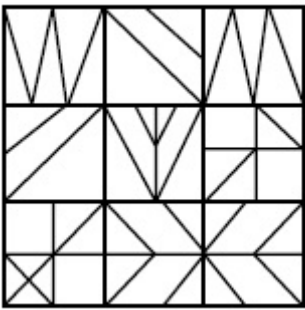
**Correct Marks : 4 Wrong Marks : 1**

Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?

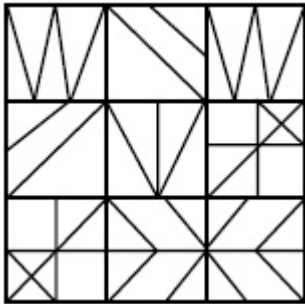


**Options :**

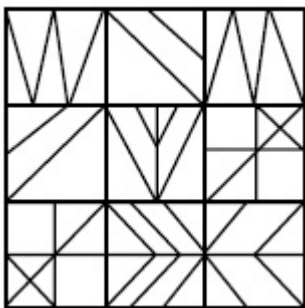
70819142265.



70819142266.



70819142267.



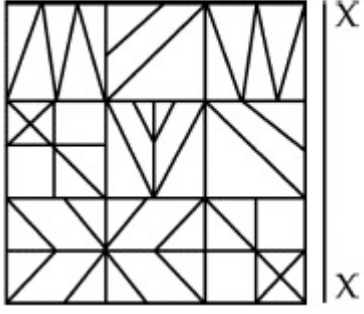
70819142268.

**Question Number : 62 Question Id : 70819112853 Question Type : MCQ Option Shuffling : Yes**

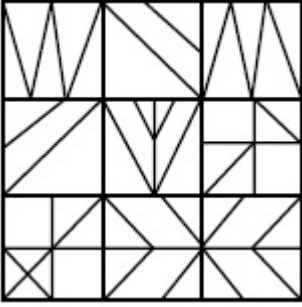
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

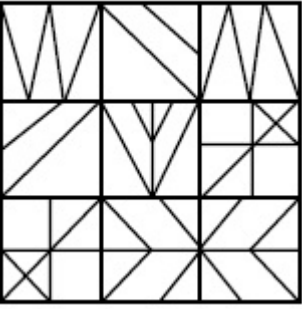
ان میں سے کونسا نقشہ دی ہوئی تصویر کا X-X کے متعلق صحیح عکس ہے؟



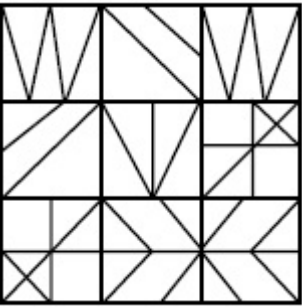
Options :



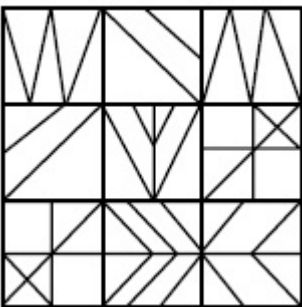
70819142265.



70819142266.



70819142267.



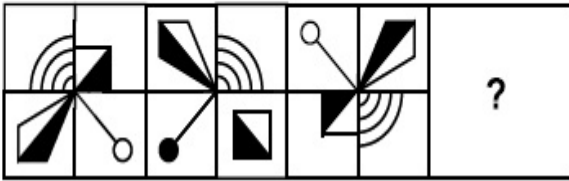
70819142268.

Question Number : 63 Question Id : 70819112854 Question Type : MCQ Option Shuffling : Yes

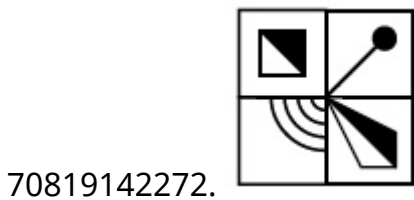
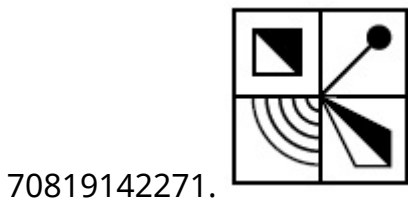
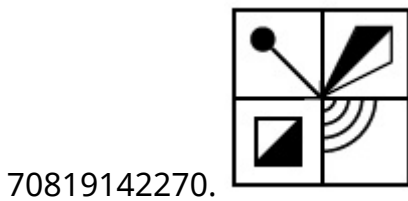
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the answer figures complete the sequence of the problem figure ? Select the correct one.



Options :

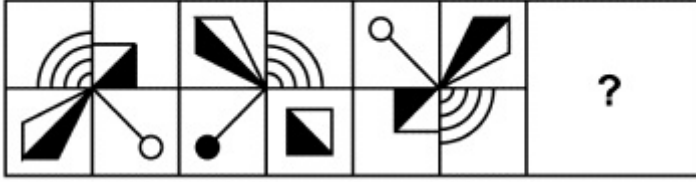


Question Number : 63 Question Id : 70819112854 Question Type : MCQ Option Shuffling : Yes

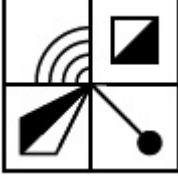
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ان نقشوں میں سے کون سا نقشہ دیئے ہوئے سوالیہ نقشہ کے سلسلہ کو پورا کرتا ہے ؟



Options :



70819142269.



70819142270.



70819142271.



70819142272.

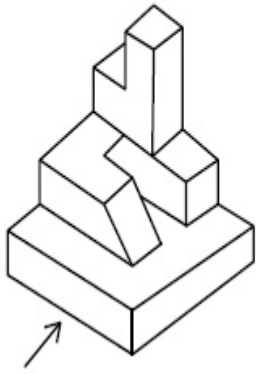
Question Number : 64 Question Id : 70819112855 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

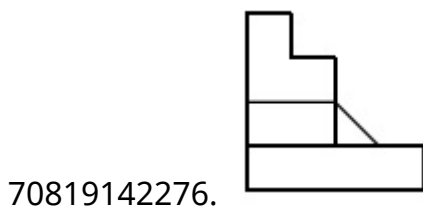
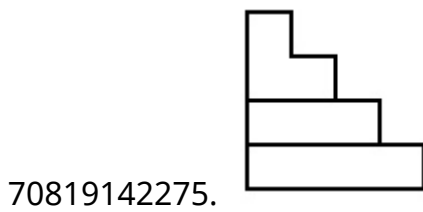
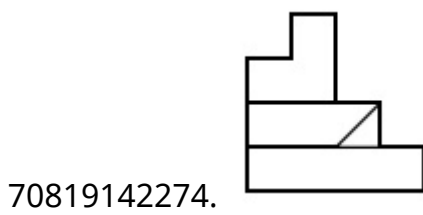
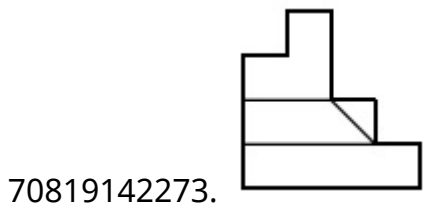
Correct Marks : 4 Wrong Marks : 1



The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

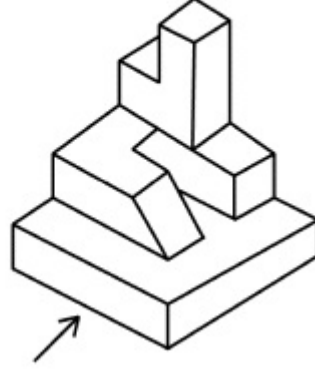


**Question Number : 64 Question Id : 70819112855 Question Type : MCQ Option Shuffling : Yes**

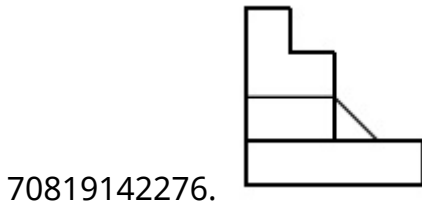
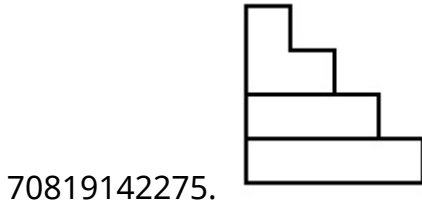
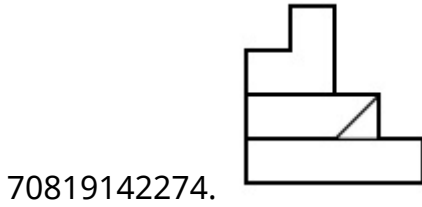
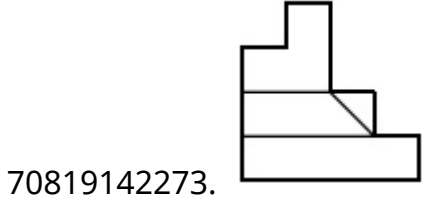
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔



Options :

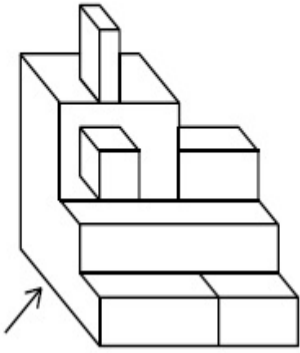


Question Number : 65 Question Id : 70819112856 Question Type : MCQ Option Shuffling : Yes

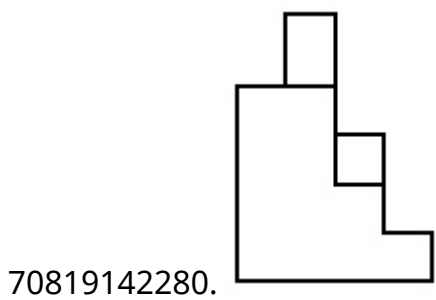
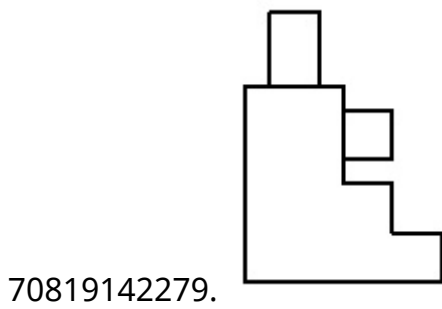
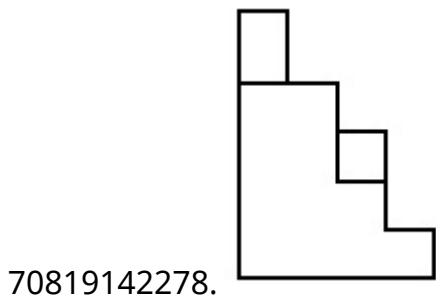
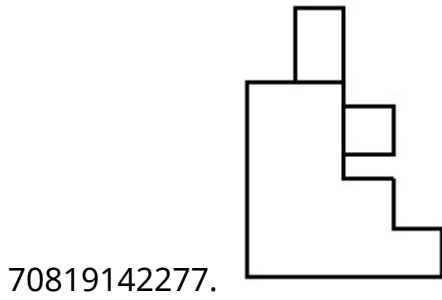
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

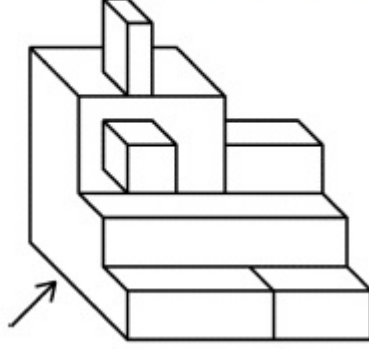


Question Number : 65 Question Id : 70819112856 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

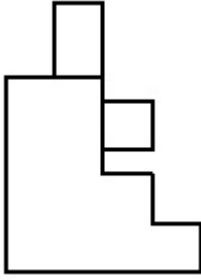
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔

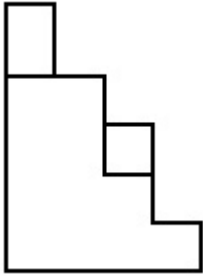


Options :

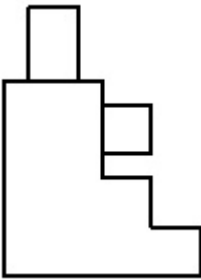
70819142277.



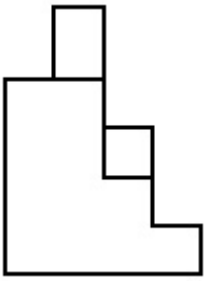
70819142278.



70819142279.



70819142280.

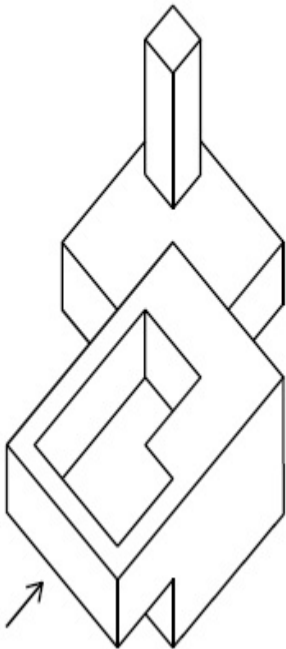


Question Number : 66 Question Id : 70819112857 Question Type : MCQ Option Shuffling : Yes

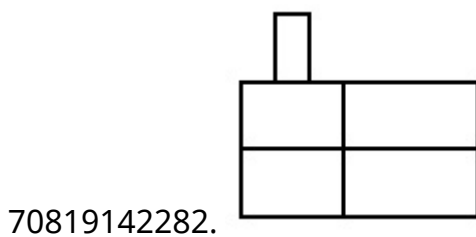
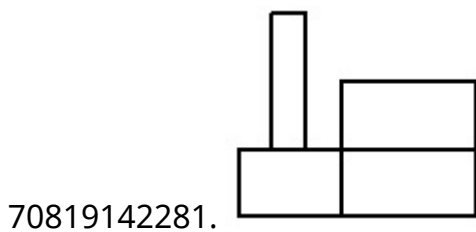
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

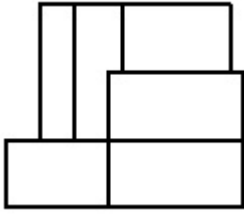
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



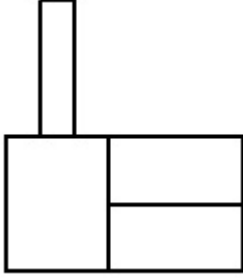
Options :



70819142283.



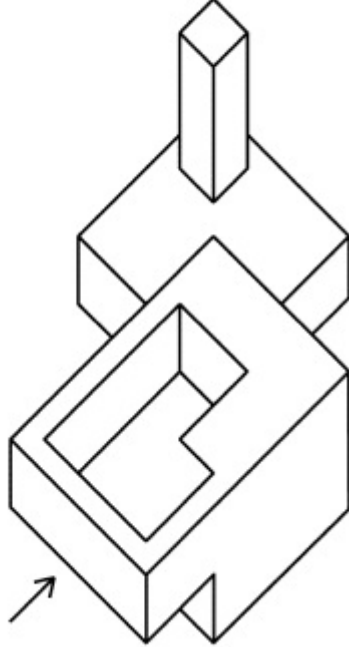
70819142284.



Question Number : 66 Question Id : 70819112857 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

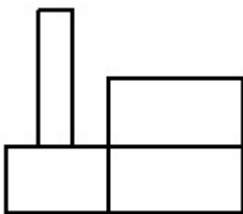
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔

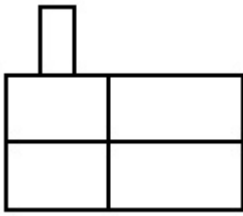


Options :

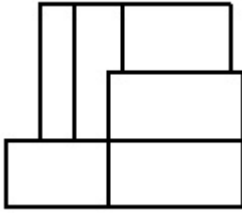
70819142281.



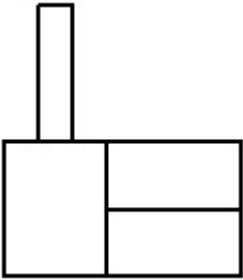
70819142282.



70819142283.



70819142284.

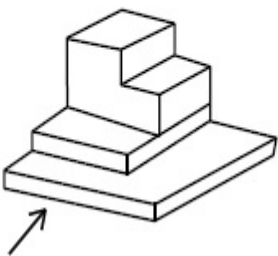


**Question Number : 67 Question Id : 70819112858 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

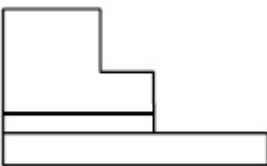
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

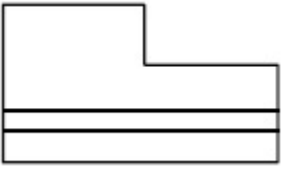


**Options :**

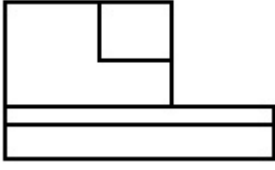
70819142285.



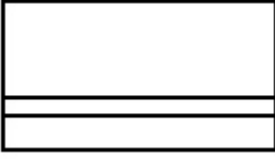
70819142286.



70819142287.



70819142288.

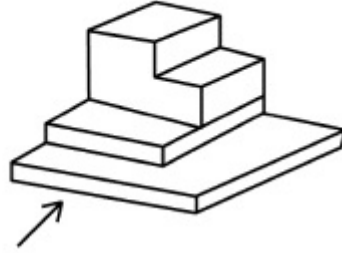


**Question Number : 67 Question Id : 70819112858 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

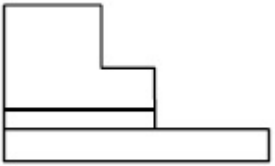
**Correct Marks : 4 Wrong Marks : 1**

دی ہوئی سہ ابعادی تصویر کا تیر کے نشان کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔

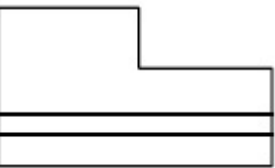


**Options :**

70819142285.

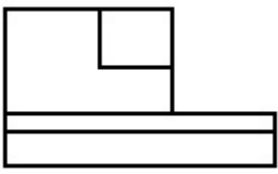


70819142286.

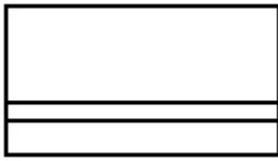


70819142287.





70819142288.

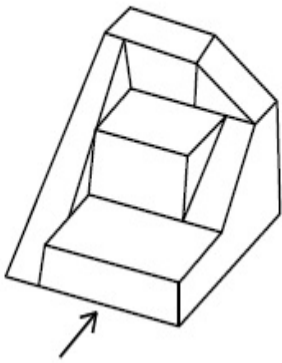


**Question Number : 68 Question Id : 70819112859 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

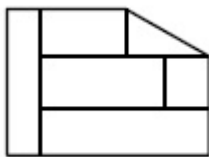
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

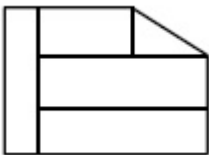


**Options :**

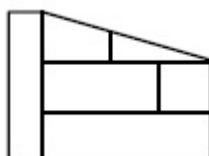
70819142289.



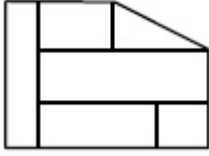
70819142290.



70819142291.



70819142292.

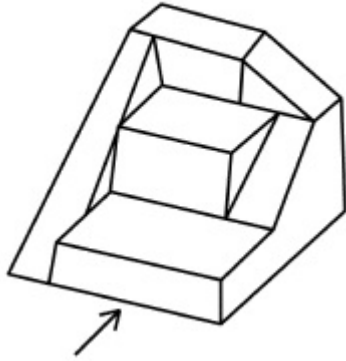


Question Number : 68 Question Id : 70819112859 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

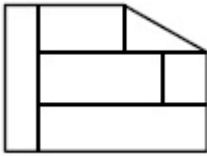
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟

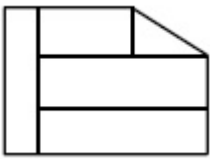


Options :

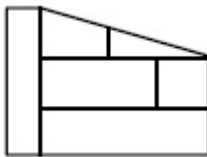
70819142289.



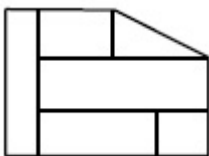
70819142290.



70819142291.



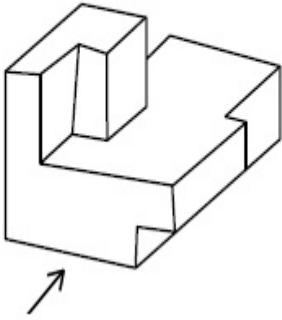
70819142292.



Question Number : 69 Question Id : 70819112860 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

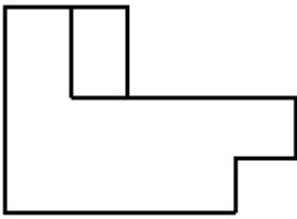
Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

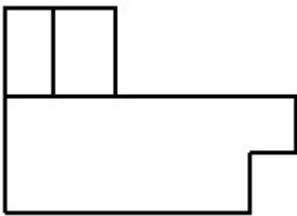


Options :

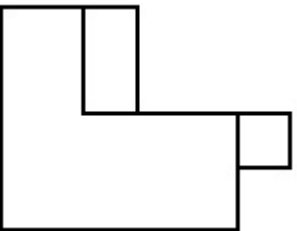
70819142293.

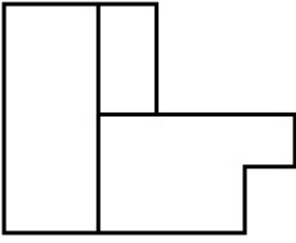


70819142294.



70819142295.





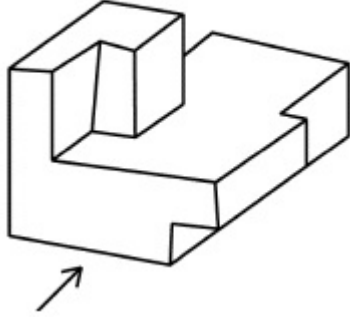
70819142296.

Question Number : 69 Question Id : 70819112860 Question Type : MCQ Option Shuffling : Yes

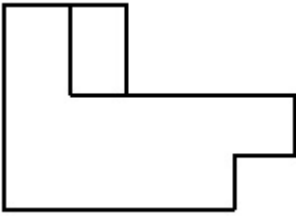
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

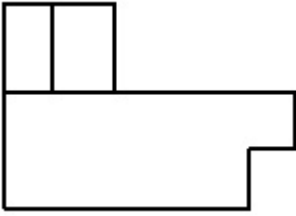
دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟



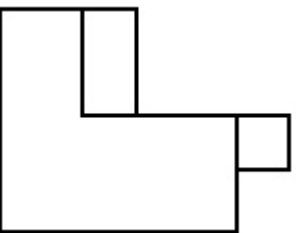
Options :



70819142293.

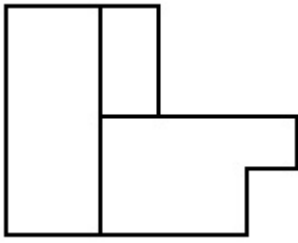


70819142294.



70819142295.

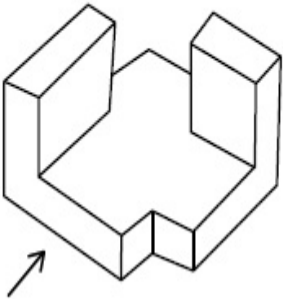
70819142296.



**Question Number : 70 Question Id : 70819112861 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

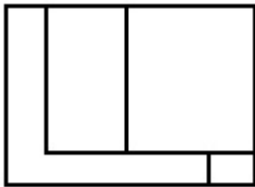
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

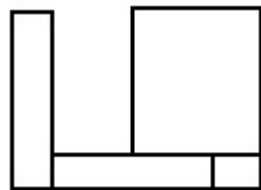


**Options :**

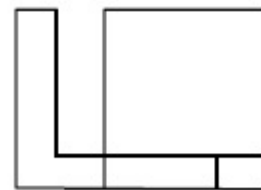
70819142297.



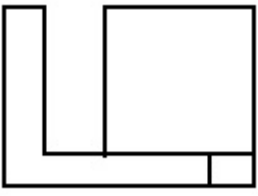
70819142298.



70819142299.



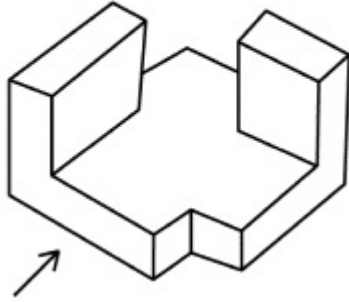
70819142300.



Question Number : 70 Question Id : 70819112861 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

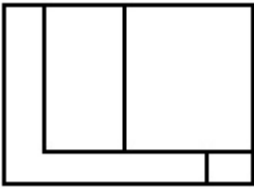
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟

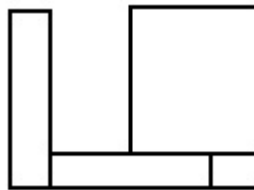


Options :

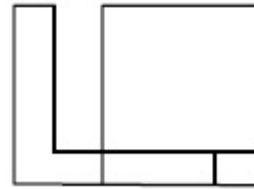
70819142297.



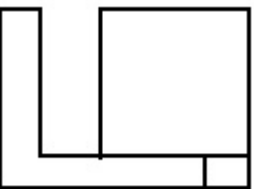
70819142298.



70819142299.



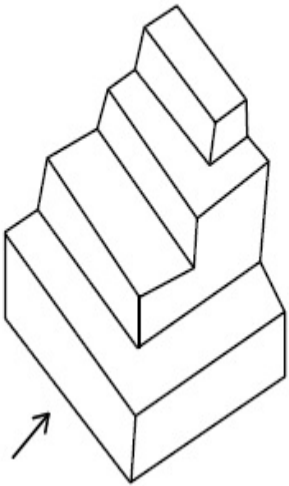
70819142300.



**Question Number : 71 Question Id : 70819112862 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

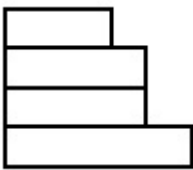
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.

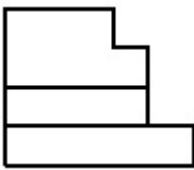


**Options :**

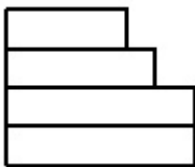
70819142301.



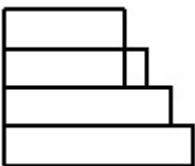
70819142302.



70819142303.



70819142304.

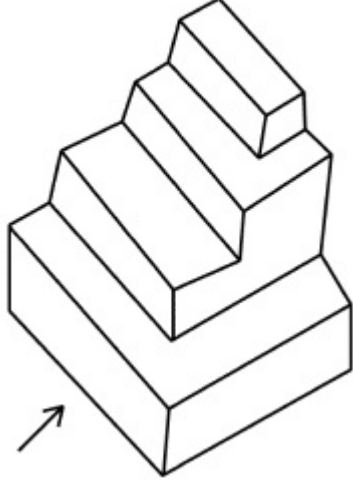


Question Number : 71 Question Id : 70819112862 Question Type : MCQ Option Shuffling : Yes

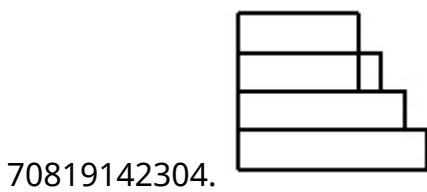
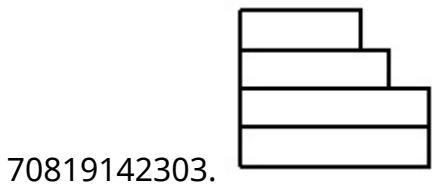
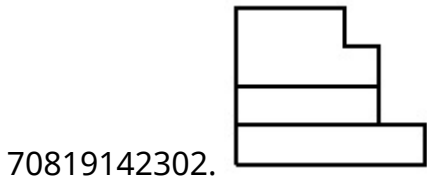
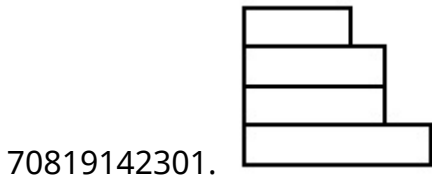
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟



Options :



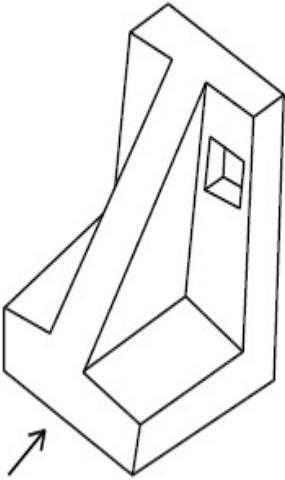
Question Number : 72 Question Id : 70819112863 Question Type : MCQ Option Shuffling : Yes



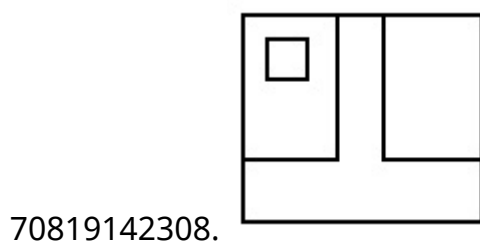
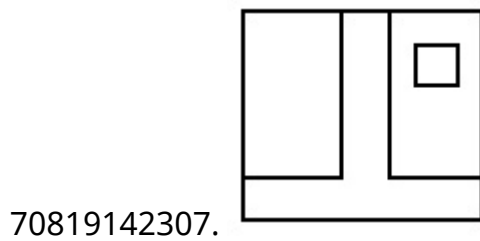
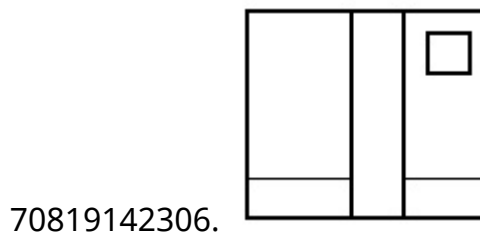
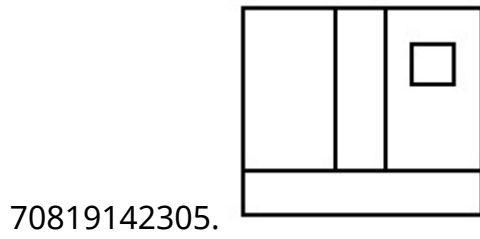
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

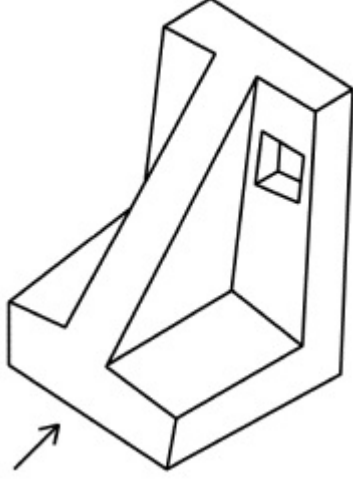


Question Number : 72 Question Id : 70819112863 Question Type : MCQ Option Shuffling : Yes

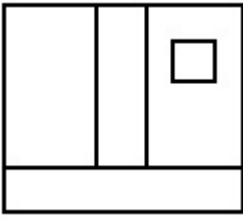
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

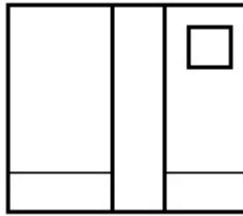
دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟



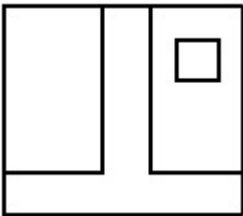
Options :



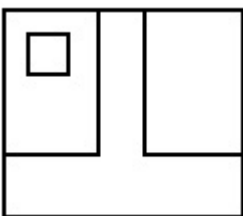
70819142305.



70819142306.



70819142307.

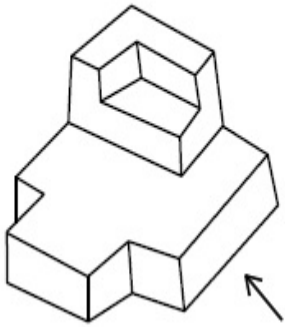


70819142308.

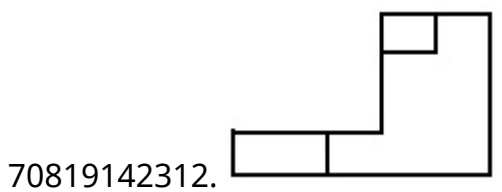
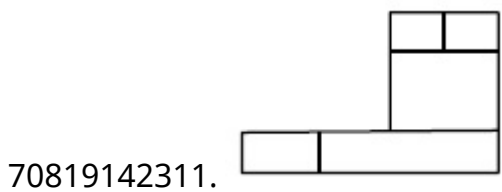
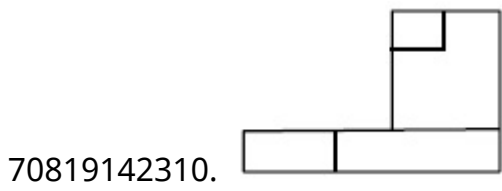
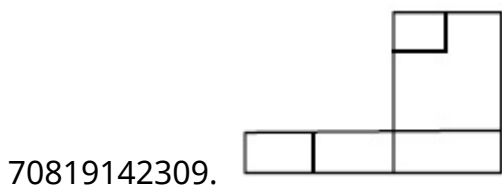
Question Number : 73 Question Id : 70819112864 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



Options :

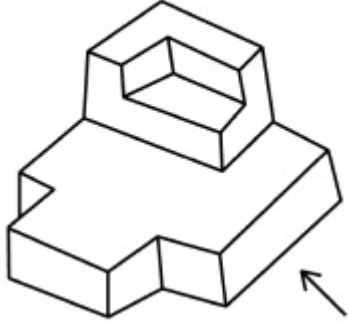


Question Number : 73 Question Id : 70819112864 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

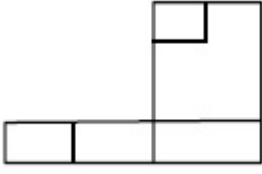
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا کیا ہوگا ؟

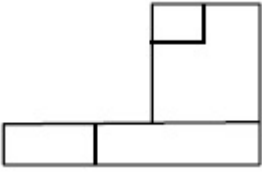


Options :

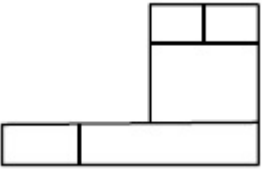
70819142309.



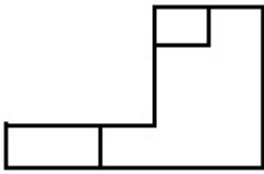
70819142310.



70819142311.



70819142312.

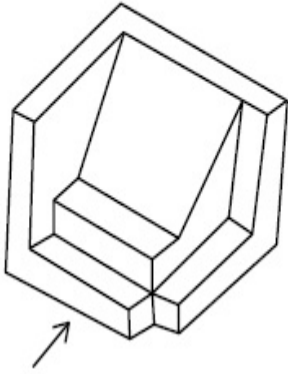


Question Number : 74 Question Id : 70819112865 Question Type : MCQ Option Shuffling : Yes

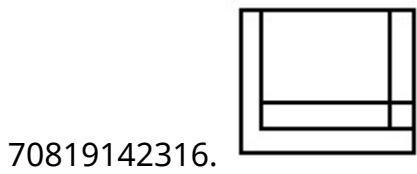
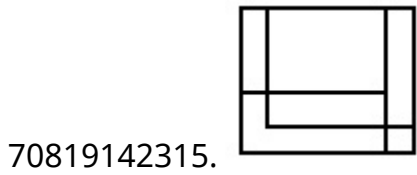
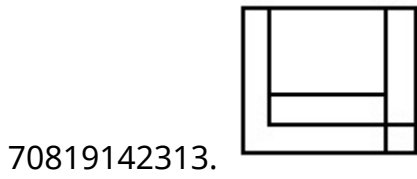
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**

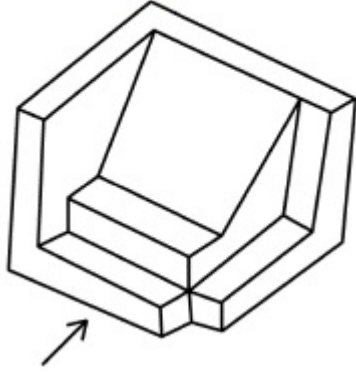


**Question Number : 74 Question Id : 70819112865 Question Type : MCQ Option Shuffling : Yes**

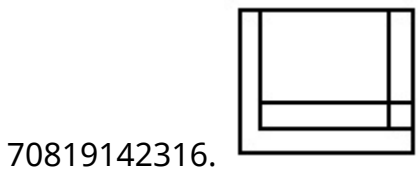
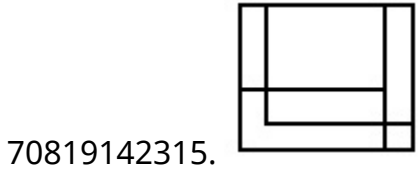
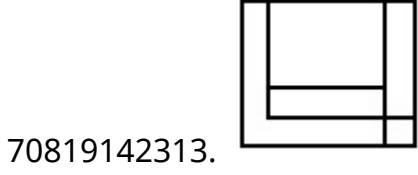
**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

دی ہوئی سہ ابعادی تصویر کا تیر کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟



Options :

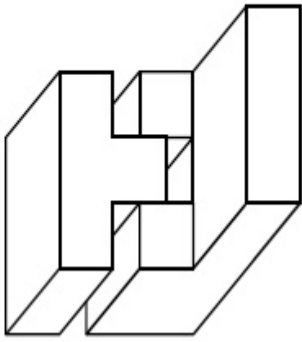


Question Number : 75 Question Id : 70819112866 Question Type : MCQ Option Shuffling : Yes

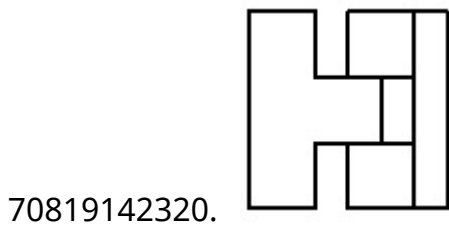
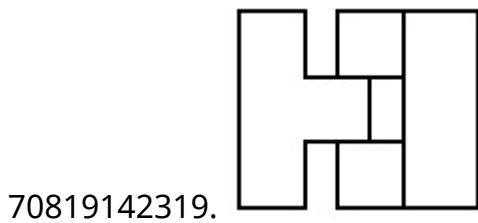
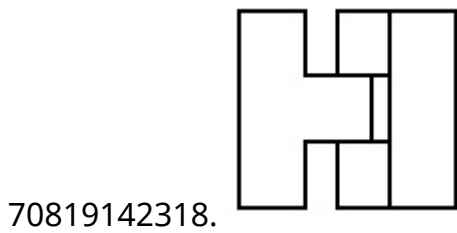
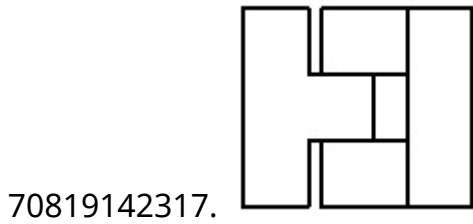
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.



Options :

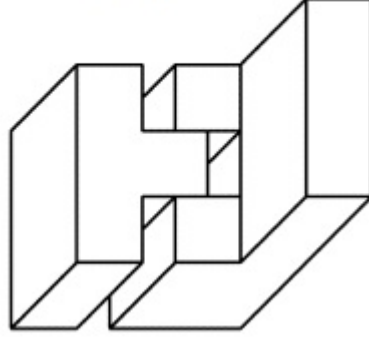


Question Number : 75 Question Id : 70819112866 Question Type : MCQ Option Shuffling : Yes

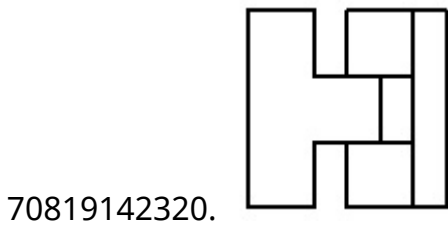
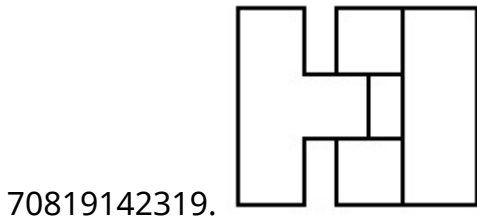
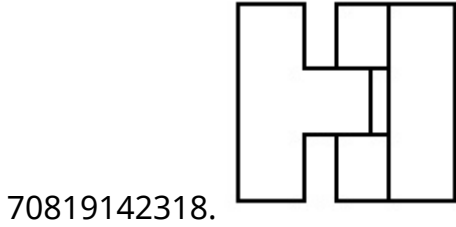
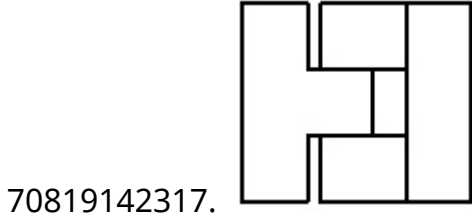
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا اوپر سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔



Options :



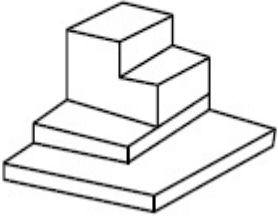
Question Number : 76 Question Id : 70819112867 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

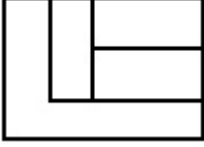


The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.



Options :

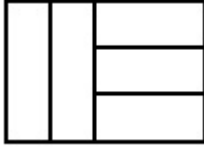
70819142321.



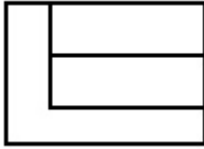
70819142322.



70819142323.



70819142324.

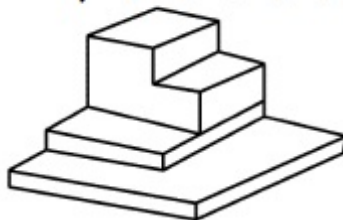


Question Number : 76 Question Id : 70819112867 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

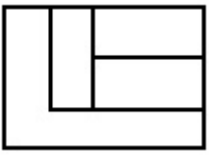
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا اوپر سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔



Options :

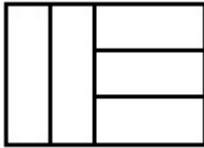
70819142321.



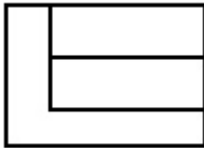
70819142322.



70819142323.



70819142324.

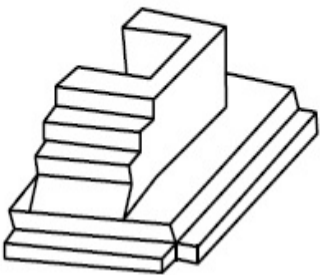


**Question Number : 77 Question Id : 70819112868 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

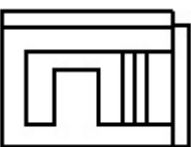
**Correct Marks : 4 Wrong Marks : 1**

The 3D figure shows the view of an object. Identify the correct top view, amongst the answer figures.

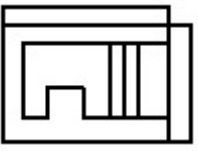


**Options :**

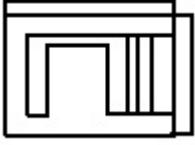
70819142325.



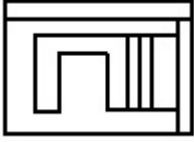
70819142326.



70819142327.



70819142328.

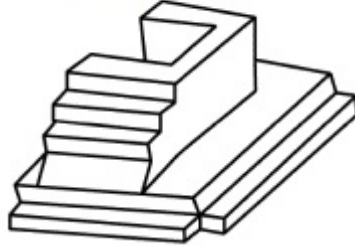


Question Number : 77 Question Id : 70819112868 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

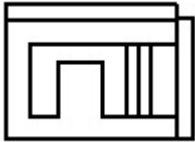
Correct Marks : 4 Wrong Marks : 1

دی ہوئی سہ ابعادی تصویر کا تیر کا اوپر سے دکھائی دینے والا نظارہ کیا ہوگا؟ ان میں سے صحیح جواب دیجئے۔

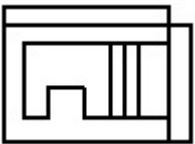


Options :

70819142325.



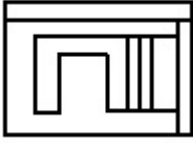
70819142326.



70819142327.



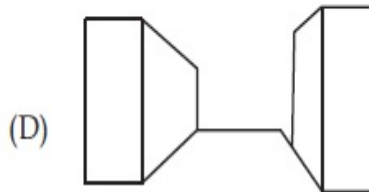
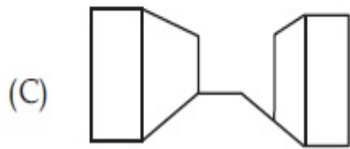
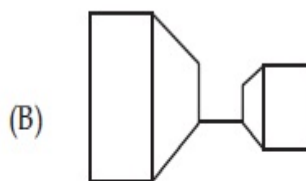
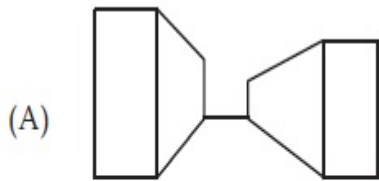
70819142328.



**Question Number : 78 Question Id : 70819112869 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Identify the building compositions of having less visual tension amongst the following figures.



**Options :**

70819142329. (A) and (B)

70819142330. (B) and (C)

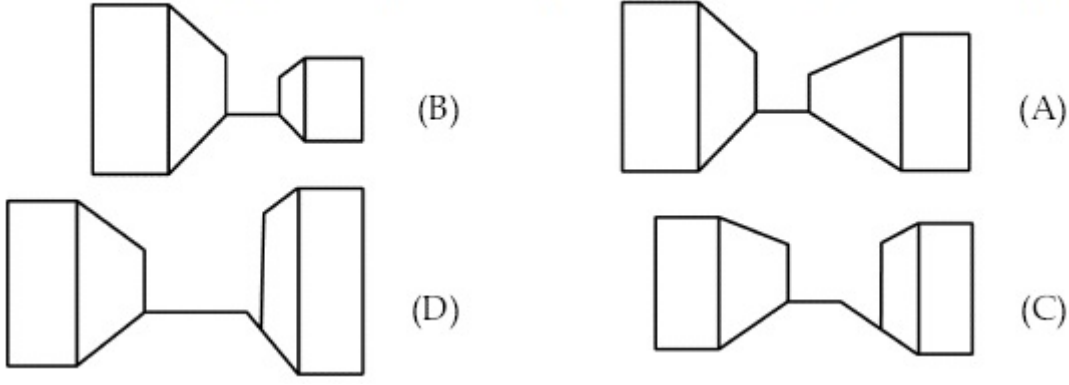
70819142331. (C) and (D)

70819142332. (D) and (A)

**Question Number : 78 Question Id : 70819112869 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

نیچے دی گئی عمارت کی ترتیب میں کس میں سب سے کم کھینچاؤ دکھائی دے رہا ہے؟ صحیح جواب دیجئے۔



**Options :**

70819142329. (A) and (B)

70819142330. (B) and (C)

70819142331. (C) and (D)

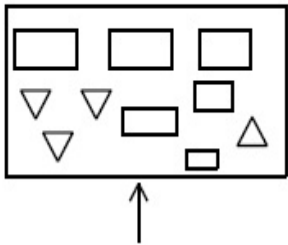
70819142332. (D) and (A)

**Question Number : 79 Question Id : 70819112870 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

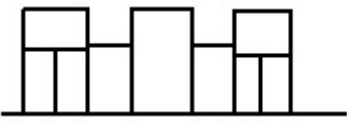
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



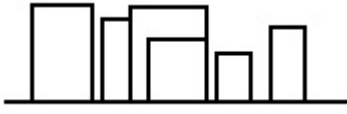
**Options :**



70819142334.



70819142335.



70819142336.

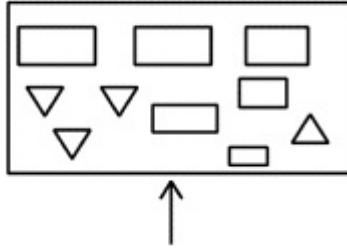


Question Number : 79 Question Id : 70819112870 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

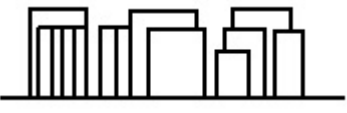
Correct Marks : 4 Wrong Marks : 1

سوالیہ نقشہ ایک چیز کا اوپری نظارہ ہے۔ اس چیز کو تیر کے نشان کی طرف سے دکھائی دینے والا نظارہ کیا ہوگا ؟

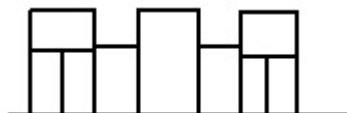


Options :

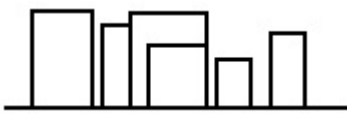
70819142333.



70819142334.



70819142335.



70819142336.

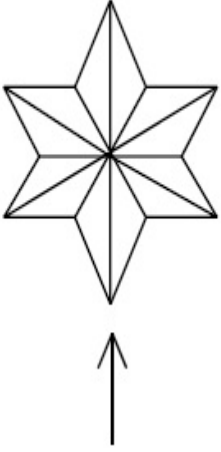


Question Number : 80 Question Id : 70819112871 Question Type : MCQ Option Shuffling : Yes

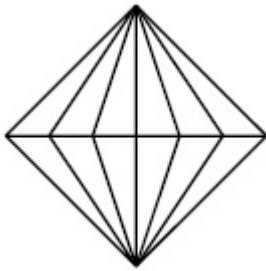
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

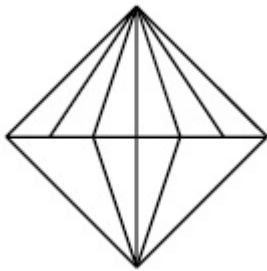
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



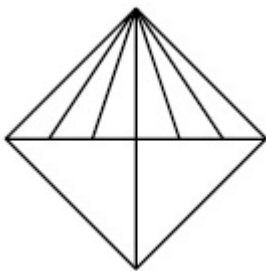
Options :



70819142337.

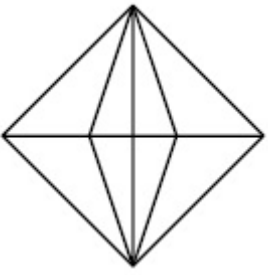


70819142338.



70819142339.

70819142340.

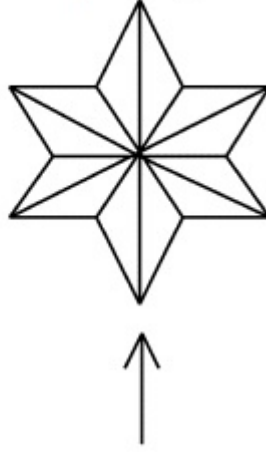


Question Number : 80 Question Id : 70819112871 Question Type : MCQ Option Shuffling : Yes

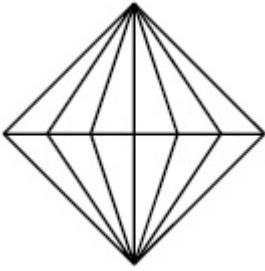
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

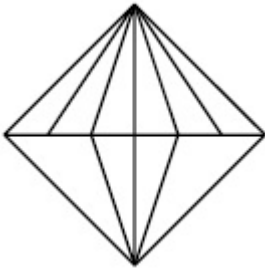
سوالیہ نقشہ ایک چیز کا اوپری نظارہ ہے۔ اس چیز کو تیر کے نشان کی طرف سے دیکھنے پر اس کا نظارہ کیا ہوگا ؟



Options :



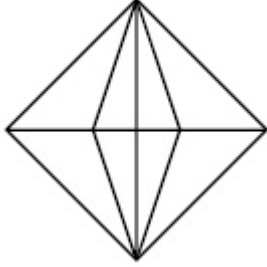
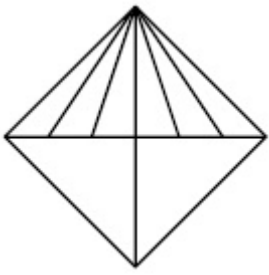
70819142337.



70819142338.

70819142339.





70819142340.

## Planning

<b>Section Id :</b>	708191444
<b>Section Number :</b>	4
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	25
<b>Number of Questions to be attempted :</b>	25
<b>Section Marks :</b>	100
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	708191724
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 81 Question Id : 70819112872 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of these industries did not exist in London before the first world war ?

**Options :**

70819142341. Automobile

70819142342. Clothing and Textile

70819142343. Printing

70819142344. Iron and Steel

**Question Number : 81 Question Id : 70819112872 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ان کارخانوں میں سے لنڈن میں کونسا پہلی جنگ عظیم سے پہلے وجود میں نہیں تھا ؟

**Options :**

70819142341. آٹوموبائل

70819142342. لباس اور کسٹائل

70819142343. چھپائی

70819142344. لوہا اور اسٹیل

**Question Number : 82 Question Id : 70819112873 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A carbon footprint is the amount of \_\_\_\_\_ released into the atmosphere.

**Options :**

70819142345. Nitrogen

70819142346. Greenhouse gas

70819142347. Ozone

70819142348. Suspended Particulate Matter (SPM)

**Question Number : 82 Question Id : 70819112873 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

”کاربن فوٹ پرنٹ“ \_\_\_\_\_ کی فضاء میں منتقل مقدار ہے۔

**Options :**

70819142345. نائٹروجن

70819142346. گرین ہاؤس گیس

70819142347. اوزون

70819142348. سپینڈ ڈ پارٹی کولیت میٹر (SPM)

**Question Number : 83 Question Id : 70819112874 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

- A. KodaiKanal
- B. Kullu
- C. Mount Abu
- D. Panchgani
- E. Pahalgam

Arrange the above hill stations in the correct sequence from south to north in India.

Choose the correct answer from the options given below :

**Options :**

70819142349. E → D → B → A → C

70819142350. E → B → C → D → A

70819142351. C → A → B → D → E

70819142352. A → D → C → B → E

**Question Number : 83 Question Id : 70819112874 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

.A کوڈائی کنال

.B کلو

.C ماؤنٹ ابو

.D پنجگنی

.E پہلگام

اوپر دیئے گئے پہاڑی اسٹیشن کو سمت جنوب سے شمال کی طرف میں قطار میں لگائیے۔

**Options :**

70819142349. E → D → B → A → C

70819142350. E → B → C → D → A

70819142351. C → A → B → D → E

70819142352.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

**Question Number : 84 Question Id : 70819112875 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Planning Commission in India has been replaced by :

**Options :**

70819142353. Mo HUA

70819142354. NITI Aayog

70819142355. NIUA

70819142356. PFI

**Question Number : 84 Question Id : 70819112875 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

”پلاننگ کمیشن“ کو ہندوستان میں کس سے بدلا گیا ؟

**Options :**

70819142353. ایم۔ ایچ۔ یو۔ اے (Mo HUA)

70819142354. نیتی آئیوگ (NITI Aayog)

70819142355. این آئی یو اے (NIUA)

70819142356. پی ایف آئی (PFI)

**Question Number : 85 Question Id : 70819112876 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

When was the special Economic Zone's Act enacted in India ?

**Options :**

70819142357. 2005

70819142358. 2007

70819142359. 2009

70819142360. 2011

**Question Number : 85 Question Id : 70819112876 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

”اچھیل ایکنومک زون“ کا قانون ہندوستان میں کب لاگو ہوا ؟

**Options :**

70819142357. 2005

70819142358. 2007

70819142359. 2009

70819142360. 2011

Question Number : 86 Question Id : 70819112877 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the full form of NHAI ? Choose the correct answer.

Options :

70819142361. National Horticulture Association of India.
70819142362. National Heritage Authority of India.
70819142363. National Hydroelectric Power Authority of India.
70819142364. National Highway Authority of India.

Question Number : 86 Question Id : 70819112877 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

این۔ ایچ۔ اے۔ آئی (NHAI) کا پورا نام کیا ہے؟ صحیح جواب چنیے :

Options :

70819142361. نیشنل ہارٹی کلچرل سوسائٹی آف انڈیا
70819142362. نیشنل ہیئرٹیج اتھارٹی آف انڈیا
70819142363. نیشنل ہائیڈرو الیکٹرک پاور اتھارٹی آف انڈیا
70819142364. نیشنل ہائی وے اتھارٹی آف انڈیا

Question Number : 87 Question Id : 70819112878 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

How many Sustainable Development Goals were adopted by the United Nations ?

Options :

70819142365. 15

70819142366. 16

70819142367. 17

70819142368. 18

Question Number : 87 Question Id : 70819112878 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

یونائیٹڈ نیشنس نے کتنے سسٹینیبیل ڈیولپمنٹ گول لاگو کئے ؟

Options :

70819142365. 15

70819142366. 16

70819142367. 17

70819142368. 18

Question Number : 88 Question Id : 70819112879 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1



In which year, the first industrial policy by Government of India was announced ?

**Options :**

70819142369. 1947

70819142370. 1948

70819142371. 1950

70819142372. 1949

**Question Number : 88 Question Id : 70819112879 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ہندوستانی سرکار نے پہلی انڈسٹریل پالیسی کا اعلان کس سال میں کیا ؟

**Options :**

70819142369. 1947

70819142370. 1948

70819142371. 1950

70819142372. 1949

**Question Number : 89 Question Id : 70819112880 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Planning of Barcelona city in Spain is known for its :

**Options :**

70819142373. superblocs

70819142374. radial pattern

70819142375. high rise development

70819142376. waterbased transport

**Question Number : 89 Question Id : 70819112880 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

اسپین میں بارسلونا شہر کی پلاننگ اس کے لئے مشہور ہے :

**Options :**

70819142373. سوپر بلاکس

70819142374. ریڈیئل پیٹرن

70819142375. ہائی رائز ڈیولپمنٹ

70819142376. واٹر بیسڈ ٹرانسپورٹ

**Question Number : 90 Question Id : 70819112881 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of these is not an industrial city ?

**Options :**

70819142377. Durgapur

70819142378. Vishakhapatnam

70819142379. Bhubaneswar

70819142380. Bhilai

**Question Number : 90 Question Id : 70819112881 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ان میں کون انڈسٹریل شہر نہیں ہے ؟

**Options :**

70819142377. درگا پور

70819142378. ویشاکھاپٹنم

70819142379. بھونیشور

70819142380. بھیلائی

**Question Number : 91 Question Id : 70819112882 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of these schemes / programmes by Government of India is linked to heritage cities ?

**Options :**

70819142381. AMRUT

70819142382. Make in India

70819142383. HRIDAY

70819142384. UDAY

**Question Number : 91 Question Id : 70819112882 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ان میں سے ہندوستانی سرکار کی کونسی اسکیم ہیرٹیج شہروں سے تعلق رکھتی ہے ؟

**Options :**

70819142381. امرت (AMRUT)

70819142382. میک ان انڈیا (Make in India)

70819142383. ہریڈے (HRIDAY)

70819142384. اُدے (UDAY)

**Question Number : 92 Question Id : 70819112883 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following south Indian states has the highest ground water utilization (in percent) of its total groundwater potential ?

**Options :**

70819142385. Tamil Nadu

70819142386. Karnataka

70819142387. Andhra Pradesh

70819142388. Kerala

**Question Number : 92 Question Id : 70819112883 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ان میں سے کونسی جنوبی ہندوستانی ریاست ہے، جہاں زمینی پانی کی کل صلاحیت کا سب سے زیادہ حصہ (% میں) کیا جاتا ہے ؟

**Options :**

70819142385. تامل؛ ناڈو

70819142386. کرناٹکا

70819142387. آندھرا پردیش

70819142388. کیرالہ

**Question Number : 93 Question Id : 70819112884 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Survey of India was established in :

**Options :**

70819142389. 1886

70819142390. 1876

70819142391. 1866

70819142392. 1896

**Question Number : 93 Question Id : 70819112884 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

سروے آف انڈیا کب تشکیل ہوا ؟

**Options :**

70819142389. 1886

70819142390. 1876

70819142391. 1866

70819142392. 1896

**Question Number : 94 Question Id : 70819112885 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

As per 73<sup>rd</sup> amendment act (73<sup>rd</sup> CAA) 1992 first time one third (1/3) reservation for women was provided in which of the following ?

**Options :**

70819142393. Lok Sabha

70819142394. State Legislative Assembly

70819142395. Cabinets

70819142396. Panchayati Raj bodies

Question Number : 94 Question Id : 70819112885 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

73ویں ترمیم ( 73rd CAA ) 1992 کے مطابق مندرجہ ذیل میں سے کس میں خواتین کے لئے سیٹیں محفوظ ہوئیں۔

Options :

70819142393. لوک سبھا

70819142394. اسٹیٹ لچسلیٹیو اسمبلی

70819142395. کابینہ

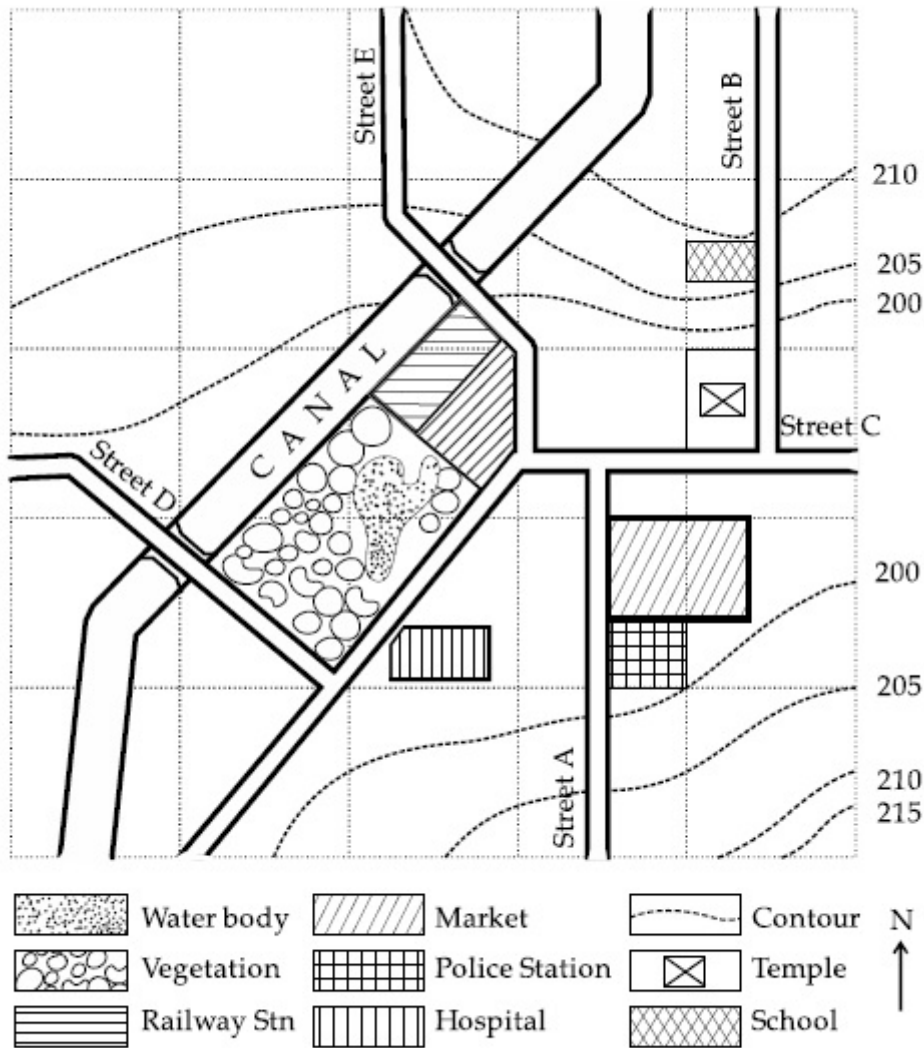
70819142396. پنچایت راج باڈیز

Question Number : 95 Question Id : 70819112886 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

## Map Reading.



With reference to the diagram, choose the correct statement.

### Options :

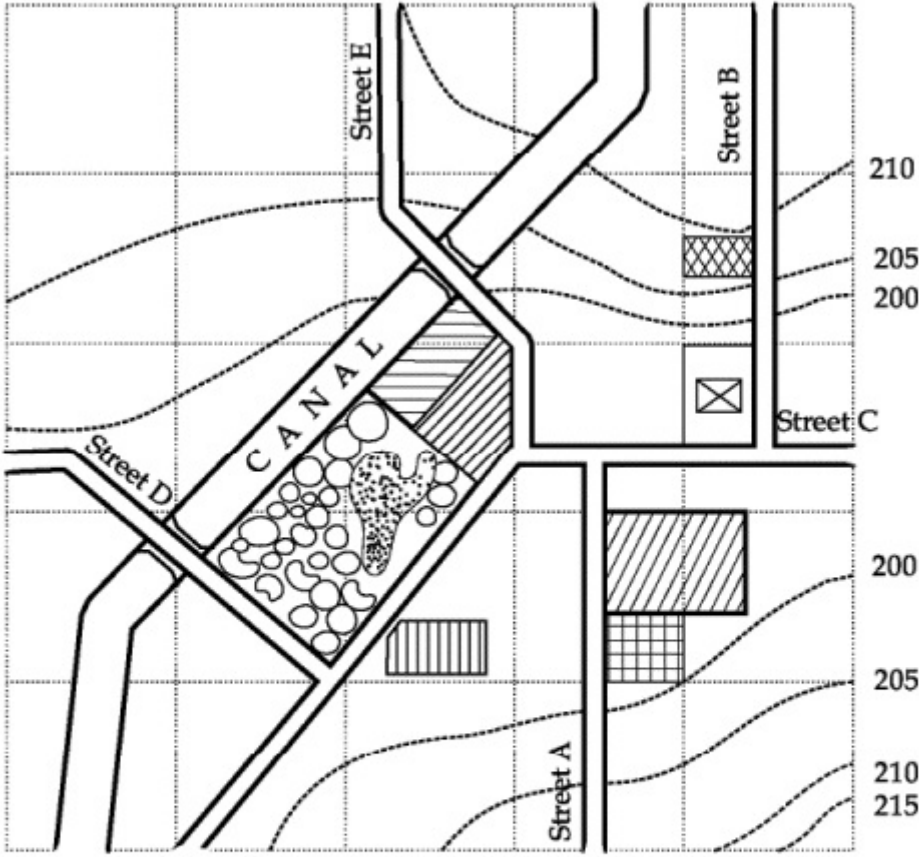
70819142397. Slope of land on which school is located is flatter than the slope of land on which hospital is located.
70819142398. Slope of land on which police station is located is steeper than the slope of land on which school is located.
70819142399. Slope of land on which school is located is steeper than the slope of land on which temple is located.
70819142400. Slope of land on which school is located is the same as the slope of land on which temple is located.



Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

### Map Reading



	واٹر باڈی		بازار		قنطور
	روسیدگی		پولیس اسٹیشن		مندر
	ریلوے اسٹیشن		شفاخانہ		اسکول

N  
↑

دی ہوئی تصویر کے متعلق صحیح بیان چنیے :

### Options :

70819142397. زمین کی ڈھلان جہاں اسکول بنا ہے زیادہ چھٹی ہے بجائے کہ جہاں شفاخانہ ہے

70819142398. زمین کی ڈھلان جہاں پولیس اسٹیشن بنا ہے وہاں زیادہ چڑھاؤ ہے بجائے کہ جہاں اسکول ہے

70819142399. زمین کی ڈھلان جہاں اسکول ہے وہاں زیادہ چڑھاؤ ہے بجائے جہاں مندر ہے

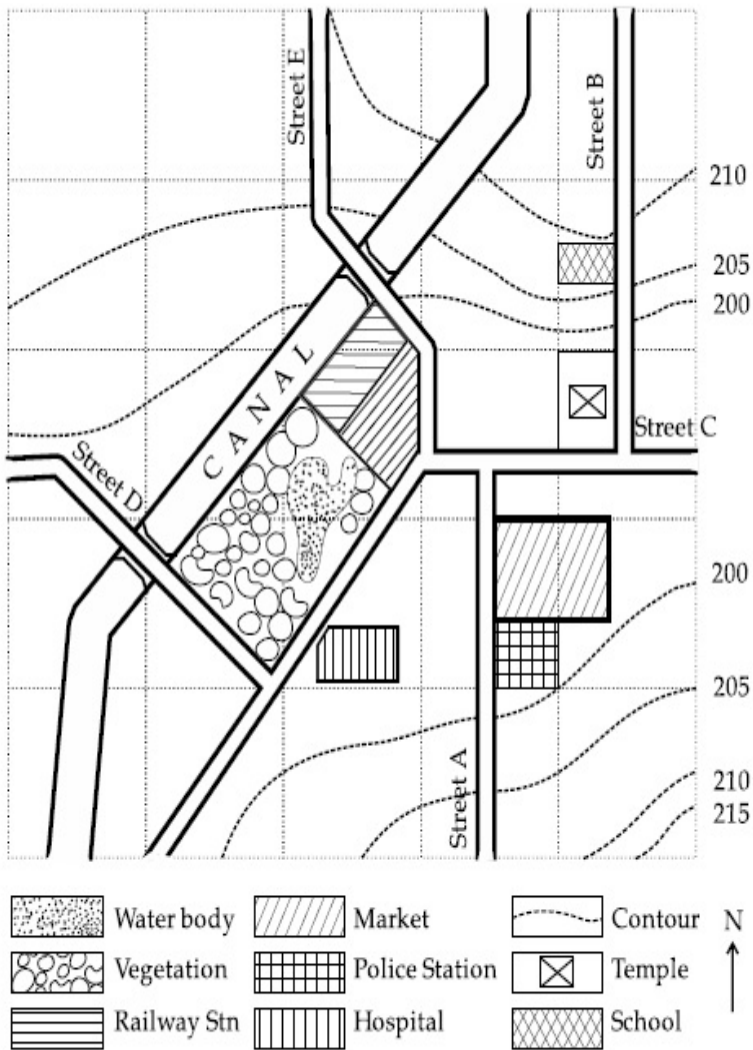
70819142400. زمین جہاں اسکول ہے اور زمین جہاں مندر ہے دونوں کی ڈھلان برابر ہے۔

Question Number : 96 Question Id : 70819112887 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



In the given diagram, for a person to travel from railway station to temple, one will have to move in \_\_\_\_\_ direction.

Options :

70819142401. North

70819142402. North - East

70819142403. South - West

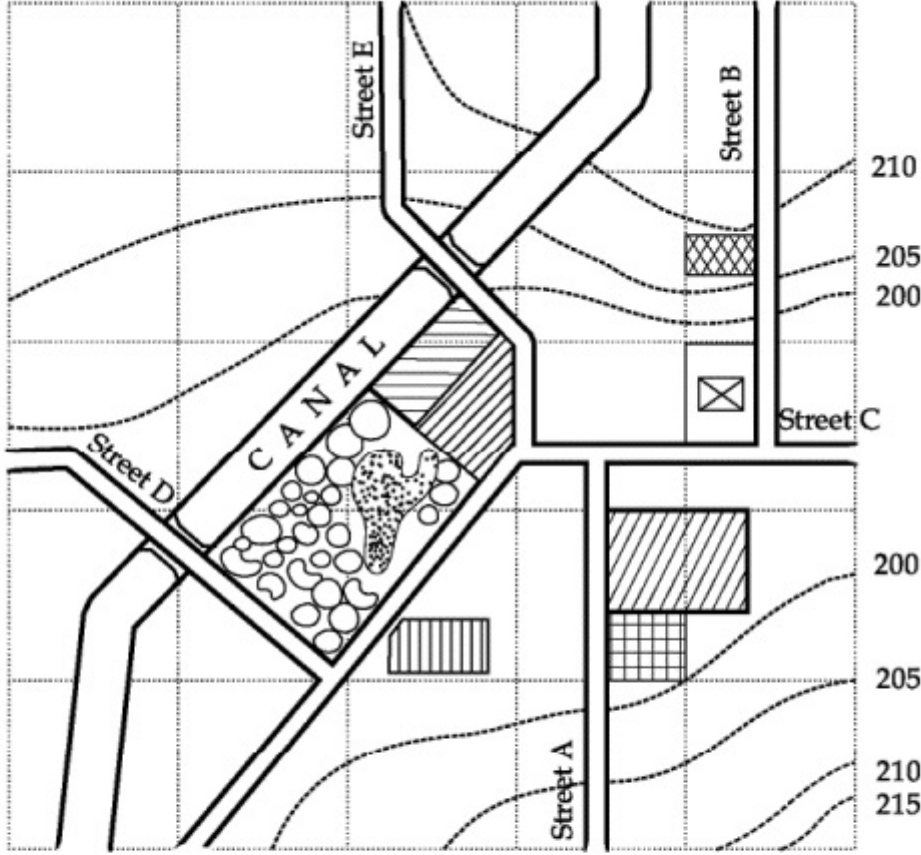
70819142404. East

Question Number : 96 Question Id : 70819112887 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

### Map Reading



	واٹر باڈی		بازار		قطر	N ↑
	روسیڈگی		پولیس اسٹیشن		مندر	
	ریلوے اسٹیشن		شفابخانہ		اسکول	

دیئے ہوئے نقشہ کے متعلق ایک شخص کو ریلوے اسٹیشن سے مندر کی طرف جانے کے لئے کس سمت میں چلنا ہوگا ؟

Options :

70819142401. شمال

70819142402. شمال-مشرق

70819142403. جنوب-مغرب

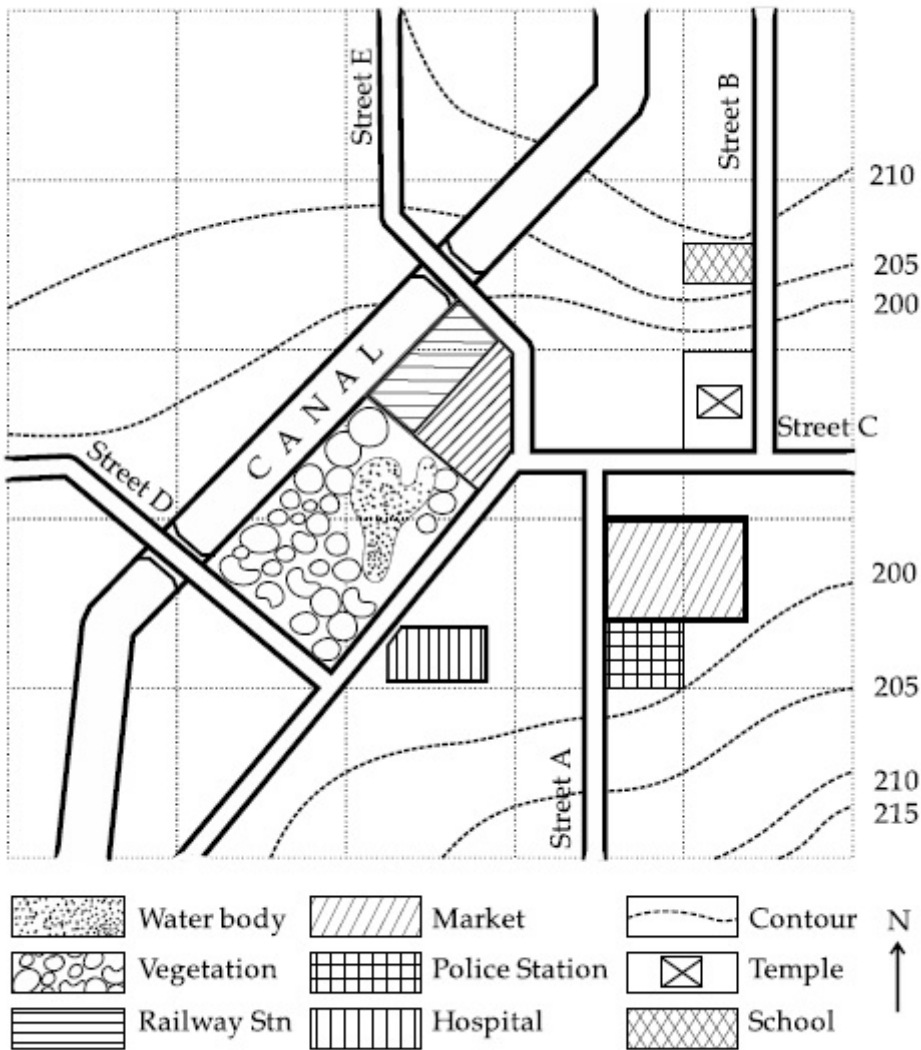
70819142404. مشرق

Question Number : 97 Question Id : 70819112888 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map Reading.



In the given diagram, water body is located at a level :

Options :

70819142405. 5 m higher than police station.

70819142406. 5 m higher than school.

70819142407. same level as police station.

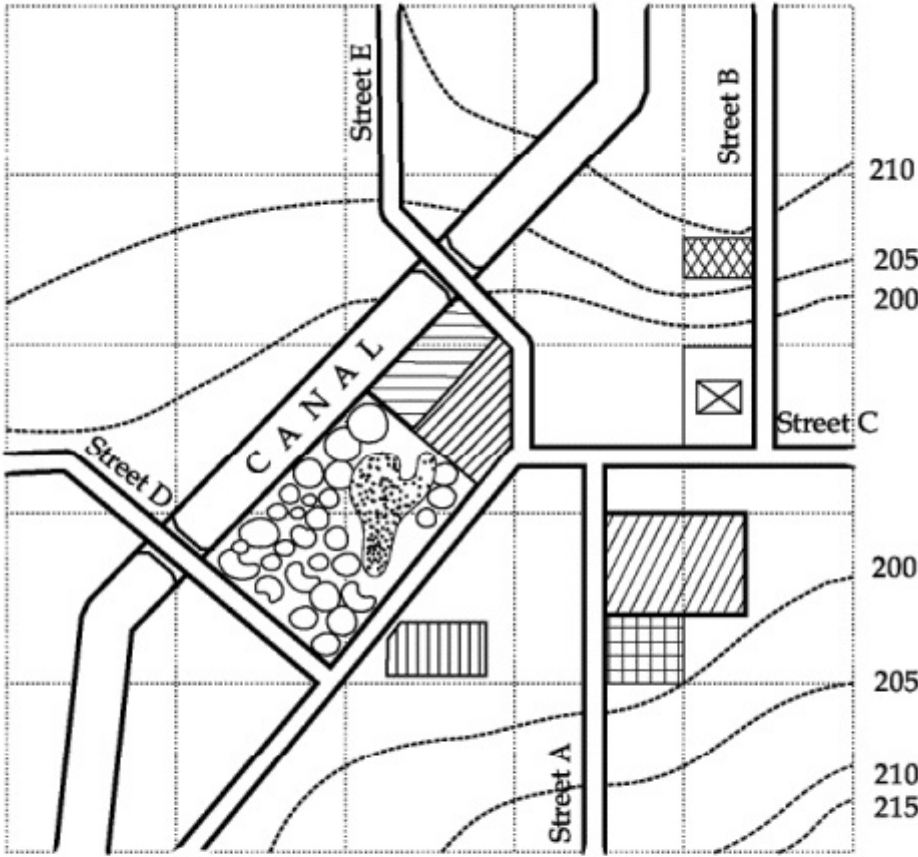
70819142408. same level as school.

Question Number : 97 Question Id : 70819112888 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

### Map Reading



واٹر باڈی	بازار	قنور
روئیدگی	پولیس اسٹیشن	مندر
ریلوے اسٹیشن	شفاخانہ	اسکول

دی ہوئی تصویر میں واٹر باڈی کی اُنچائی ہے :

Options :

70819142405. پولیس اسٹیشن سے 5 m زیادہ

70819142406. اسکول سے 5 m زیادہ

70819142407. پولیس اسٹیشن کے برابر

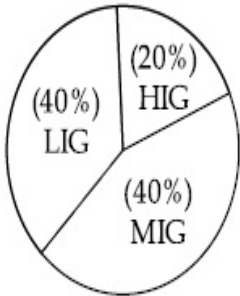
70819142408. اسکول کے برابر

Question Number : 98 Question Id : 70819112889 Question Type : MCQ Option Shuffling : Yes

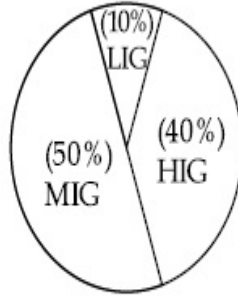
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The following pie-charts show the distribution of students enrolled in higher secondary and in college education, with respect to the household income of their families.



Higher Secondary Education



College Education

The ratio between the number of students from LIG household category studying at higher secondary to those in college is :

Options :

70819142409. 4 : 1

70819142410. 1 : 5

70819142411. 6 : 1

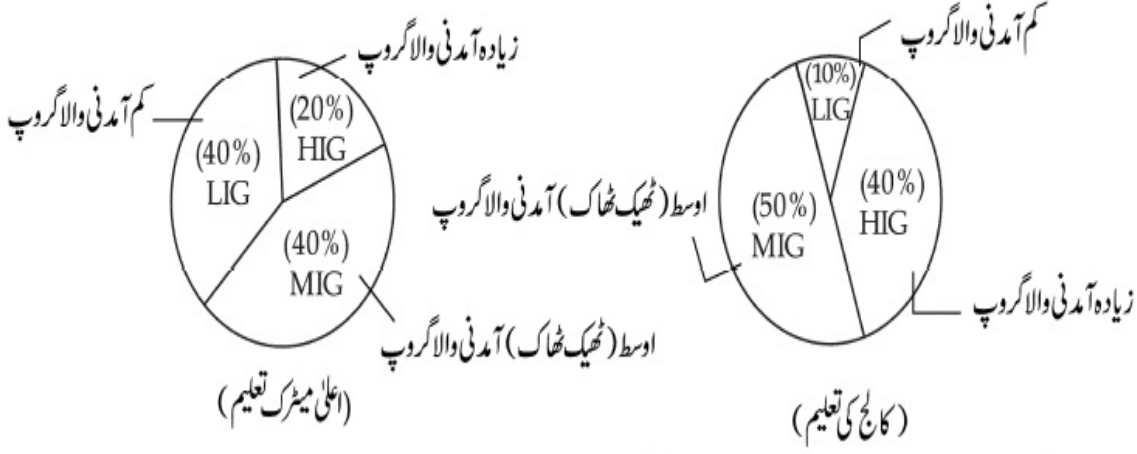
70819142412. 1 : 4

Question Number : 98 Question Id : 70819112889 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

نیچے پائی چارٹ میں ہائیر سیکنڈری اور کالج میں بھرتی اسٹوڈنٹ (طلبہ) کو ان کے گھروں کی آمدنی کے متعلق دکھایا گیا ہے :



کالج کی بہ نسبت ہائیر سیکنڈری میں پڑھنے والے اور جن کے گھروں کی آمدنی کم ہے ان اسٹوڈنٹس (طلبہ) کے نمبروں کا ریشیو (تناسب) ہے :

**Options :**

70819142409. 4 : 1

70819142410. 1 : 5

70819142411. 6 : 1

70819142412. 1 : 4

**Question Number : 99 Question Id : 70819112890 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The surface area of earth is 510 million km<sup>2</sup>. The land area is thirty percent of total surface. Urban land is three percent of total land surface. World population is 7.8 billion and fifty five percent is urban population. Find the closest correct answer.

**Options :**

70819142413. The density of population in urban area is 1000 persons/sq.km.

70819142414. The density of population in urban area is 849 persons/sq.km.

70819142415. The density of population in urban area is 4290 persons/sq.km.

70819142416. The density of population in urban area is 7800 persons/sq.km.

**Question Number : 99 Question Id : 70819112890 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

زمین کا سطحی رقبہ (ایریا) 510 ملین مربع کلومیٹر ہے۔ اس کا زمینی رقبہ 30% اور شہری رقبہ 3% ہے۔ دنیا کی آبادی 7.8 بلین ہے جس کا 55% شہری ہے۔  
”قریب ترین صحیح جواب معلوم کریں۔“

**Options :**

70819142413. شہری علاقہ میں آبادی کی ڈنسی (کشافت) 1000 اشخاص / فی مربع کلومیٹر ہے۔

70819142414. شہری علاقہ میں آبادی کی ڈنسی (کشافت) 849 اشخاص / فی مربع کلومیٹر ہے۔

70819142415. شہری علاقہ میں آبادی کی ڈنسی (کشافت) 4290 اشخاص / فی مربع کلومیٹر ہے۔

70819142416. شہری علاقہ میں آبادی کی ڈنسی (کشافت) 7800 اشخاص / فی مربع کلومیٹر ہے۔

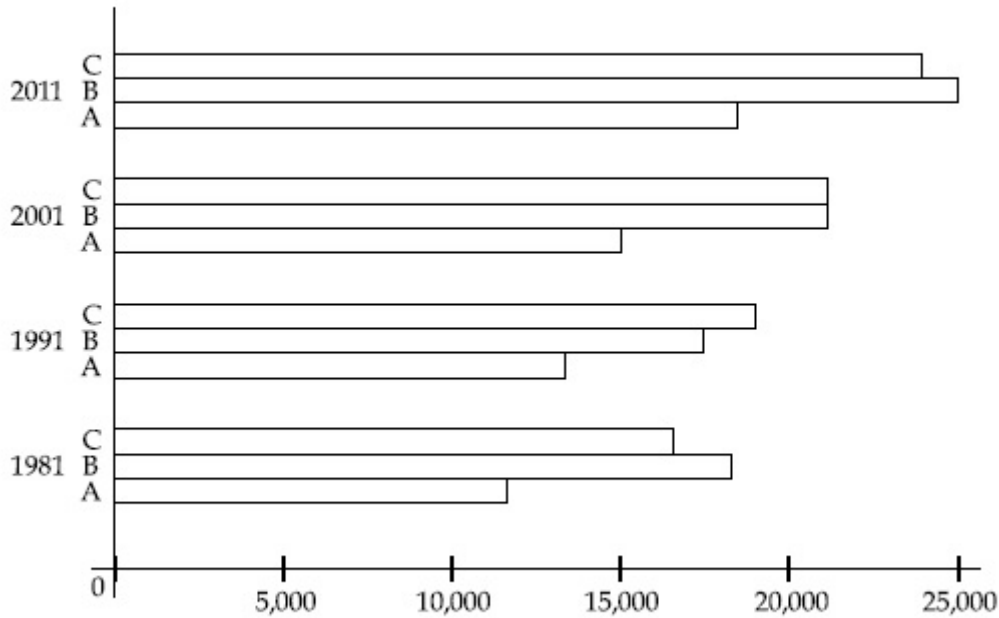
**Question Number : 100 Question Id : 70819112891 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Population of city A, B and C from 1981-2011.



Choose the correct statement :

**Options :**

70819142417. City A shows the increase in population from 1981 to 2011 and city C does not show the increase likewise.

70819142418. City B shows a continuous decline in population from 1981-2011 whereas city A shows an increase.

70819142419. Population in city A is increasing in each decade from 1981 to 2001 whereas city B shows a decline from 1981 to 1991 and then it increases from 1991 to 2001.

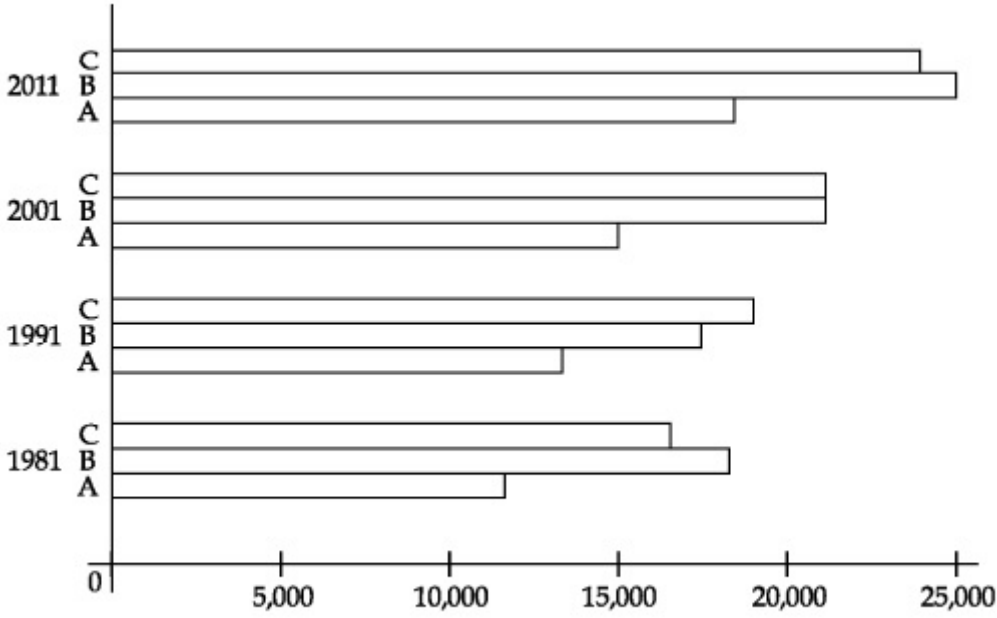
70819142420. City C shows continuous decline in population in various decades whereas city B shows increase.

**Question Number : 100 Question Id : 70819112891 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

1981 سے 2011 تک شہر A ، B اور C کی آبادی



صحیح بیان چنیے :

Options :

70819142417. شہر A میں 1981 سے 2011 کے بیچ کی آبادی بڑھتی ہے جبکہ شہر C میں ایسا کوئی بڑھاوا نہیں دیکھا جاتا ہے۔

70819142418. شہر B میں 1981 سے 2011 کے بیچ کی آبادی لگاتار گھٹتی ہے جبکہ شہر A میں بڑھاوا دیکھا جاتا ہے۔

70819142419. شہر A میں 1981 سے 2001 کے بیچ کی آبادی ہر عشرے میں بڑھ رہی ہے وہیں شہر B میں 1981 اور 1991 کے بیچ آبادی گھٹ رہی ہے اور 1991 سے 2001 کے بیچ بڑھ رہی ہے۔

70819142420. شہر C میں مختلف عشروں میں آبادی گھٹتی ہوئی دکھائی دیتی ہے۔ اور شہر B میں بڑھتی ہوئی دکھائی دیتی ہے۔

Question Number : 101 Question Id : 70819112892 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a survey, the speeds of 100 vehicles were observed. The following table gives the distribution of vehicle speed and the corresponding number of vehicles.

Vehicle Speed ( $\text{kmhr}^{-1}$ )	No. of Vehicles
20	6
25	20
28	24
29	28
33	15
38	4
40	2
45	1

The median speed of the vehicles is :

**Options :**

70819142421.  $26 \text{ kmhr}^{-1}$

70819142422.  $21.5 \text{ kmhr}^{-1}$

70819142423.  $30 \text{ kmhr}^{-1}$

70819142424.  $28.5 \text{ kmhr}^{-1}$

**Question Number : 101 Question Id : 70819112892 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

مجموعی طور پر جائزہ (سروے) کرنے میں 100 گاڑیوں کی رفتار کو دیکھا گیا۔ نیچے دی گئی فہرست میں گاڑیوں کی رفتار اور گاڑیوں کی تعداد کو دکھایا گیا ہے۔

گاڑیوں کی تعداد	گاڑیوں کی تیز رفتاری ( $\text{kmhr}^{-1}$ )
6	20
20	25
24	28
28	29
15	33
4	38
2	40
1	45

گاڑیوں کی اوسط رفتار ہے :

**Options :**

70819142421.  $26 \text{ km hr}^{-1}$

70819142422.  $21.5 \text{ km hr}^{-1}$

70819142423.  $30 \text{ km hr}^{-1}$

70819142424.  $28.5 \text{ km hr}^{-1}$

**Question Number : 102 Question Id : 70819112893 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

Which of the following best justify 'Slum Tourism' in the above paragraph ?

**Options :**

70819142425. As a charity by privileged people.

70819142426. As a way to reduce crime.

70819142427. As a way to sensitize travellers about poor living conditions in the society.

70819142428. As an adventure activity.

**Question Number : 102 Question Id : 70819112893 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

Which of the following best justify 'Slum Tourism' in the above paragraph ?

**Options :**

70819142425. As a charity by privileged people.

70819142426. As a way to reduce crime.

70819142427. As a way to sensitize travellers about poor living conditions in the society.

70819142428. As an adventure activity.

**Question Number : 103 Question Id : 70819112894 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

The nearest meaning of 'Gawking' in this paragraph would be :

**Options :**

70819142429. Learning

70819142430. Staring

70819142431. Peeping

70819142432. Gloating

**Question Number : 103 Question Id : 70819112894 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hundreds of Shanty towns line the river banks, train tracks, and garbage dumps in the Filipino capital. Around a quarter of its 12 million are considered 'informal settlers'. Manila is starkly representative of a global problem. According to the United Nations, about a quarter of the World's urban population lives in slums.

Slum tourism takes outsiders through their most impoverished marginalized districts. Slum tourism sparks considerable debate around an uncomfortable moral dilemma. Many consider the practice little more than slack-jawed privileged people gawking at those less fortunate. Others argue they raise awareness and provide numerous examples of giving back to the local communities.

The nearest meaning of 'Gawking' in this paragraph would be :

**Options :**

70819142429. Learning

70819142430. Staring

70819142431. Peeping

70819142432. Gloating

**Question Number : 104 Question Id : 70819112895 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A : Over the last two decades collective attention span is decreasing.

Reason R : Quick availability and rapid access to large amount of information leads to loss of interest in one topic very quickly.

In the light of the above statements, choose the correct answer from the options given below :

**Options :**

70819142433. Both A and R are true and R is the correct explanation of A

70819142434. Both A and R are true but R is NOT the correct explanation of A

70819142435. A is true but R is false

70819142436. A is false but R is true

**Question Number : 104 Question Id : 70819112895 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

ذیل میں دو بیان دیئے جاتے ہیں: ایک کو واضح بیان - A سے اور دوسرے کو وجہ - R سے موسوم کیا گیا ہے۔  
واضح بیان - A: پچھلے دو عشروں سے مجموعی طور پر غور کرنے کی مدت گھٹ رہی ہے۔  
وجہ - R: فوری دستیابی اور تیز رسائی ایک ٹاپک کی دلچسپی کو کم کر دیتا ہے۔  
اوپر دیئے گئے بیانات کے متعلق نیچے دیئے ہوئے بیانات میں صحیح بیان چنیے:

**Options :**

70819142433. دونوں بیان A اور R صحیح ہیں اور بیان R، بیان A کی وضاحت کرتا ہے۔

70819142434. دونوں بیان A اور R صحیح ہیں لیکن بیان R، بیان A کی صحیح وضاحت نہیں کرتا۔

70819142435. A صحیح ہے لیکن R غلط ہے۔

70819142436. A غلط ہے لیکن R صحیح ہے۔

**Question Number : 105 Question Id : 70819112896 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R :

Assertion A : In past two decades, rate of divorce has increased in India.

Reason R : Increasing number of married couples do not want to have children.

In the light of the above statements, choose the correct answer from the options given below :

**Options :**

70819142437. Both A and R are true and R is the correct explanation of A

70819142438. Both A and R are true but R is NOT the correct explanation of A

70819142439. A is true but R is false

70819142440. A is false but R is true



Question Number : 105 Question Id : 70819112896 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ذیل میں دو بیانات دیئے گئے ہیں۔ پہلا بیان -A اور دوسرا وجہ -R۔  
واضح بیان -A : پچھلے دو عشروں میں ہندوستان میں طلاق کی درمیں بڑھاوا آیا ہے۔  
وجہ -R : ایسے شادی شدہ جوڑے جن کو بچہ نہیں چاہئے ان کی گنتی بڑھتی جا رہی ہے۔  
اوپر دیئے گئے بیانات کے متعلق نیچے دیئے ہوئے بیانات میں صحیح بیان چنئے :

Options :

70819142437. دونوں بیان A اور R صحیح ہیں۔ لیکن بیان -R، بیان -A کی وضاحت کرتا ہے۔

70819142438. دونوں بیان A اور R صحیح ہیں اور بیان -R، بیان A کی صحیح وضاحت نہیں کرتا ہے۔

70819142439. بیان -A صحیح ہے پر بیان -R غلط ہے۔

70819142440. بیان -A غلط ہے پر بیان -R صحیح ہے۔