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**Question Paper Name :** B PLANNING EG 23rd Feb 2021 Shift 2  
**Subject Name :** B PLANNING EG  
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## **B PLANNING EG**

**Group Number :** 1  
**Group Id :** 708191130  
**Group Maximum Duration :** 0  
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**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 :** 708191409  
**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>	708191689
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 70819111952 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 :**

70819138931.  $\frac{121}{3}$

70819138932.  $\frac{122}{3}$

70819138933.  $\frac{125}{3}$

70819138934.  $\frac{128}{3}$

**Question Number : 1 Question Id : 70819111952 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

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

$$\int_{-4}^4 |9-x^2| dx \text{ નું મૂલ્ય } \underline{\hspace{2cm}} \text{ છે.}$$

**Options :**

70819138931.  $\frac{121}{3}$

70819138932.  $\frac{122}{3}$

70819138933.  $\frac{125}{3}$

70819138934.  $\frac{128}{3}$

**Question Number : 2 Question Id : 70819111953 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 :**

70819138935.  $\frac{31}{13}$

70819138936.  $\frac{108}{13}$

70819138937.  $\frac{27}{2}$

70819138938.  $\frac{54}{7}$

Question Number : 2 Question Id : 70819111953 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

એક સમગુણોત્તર શ્રેણીનાં અનંત પદોનો સરવાળો 3 અને તે પદોના વર્ગોનો સરવાળો  $\frac{9}{2}$  છે. તો તે પદોનાં ધનનો સરવાળો \_\_\_\_\_ છે.

Options :

70819138935.  $\frac{31}{13}$

70819138936.  $\frac{108}{13}$

70819138937.  $\frac{27}{2}$

70819138938.  $\frac{54}{7}$

Question Number : 3 Question Id : 70819111954 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 :

70819138939.  $P \Leftrightarrow P \vee q$

70819138940.  $(P \wedge q) \Leftrightarrow P$

70819138941.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$



70819138942.  $(p \vee \sim p) \wedge (q \vee (\sim q))$

**Question Number : 3 Question Id : 70819111954 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

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

નીચેનાં પૈકીની કઈ બૂલીય અભિવ્યક્તિ નિત્ય સત્ય છે ?

**Options :**

70819138939.  $P \Leftrightarrow P \vee q$

70819138940.  $(P \wedge q) \Leftrightarrow P$

70819138941.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819138942.  $(P \vee \sim P) \wedge (q \vee (\sim q))$

**Question Number : 4 Question Id : 70819111955 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 :**

70819138943. a, b and c are in Arithmetic Progression

70819138944. a, b and c are in Geometric Progression

70819138945. a, 2b and c are in Arithmetic Progression

70819138946. a, b and c satisfy  $2b^2 = ac$

Question Number : 4 Question Id : 70819111955 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ધારો કે  $|a| < 1, |b| < 1, |c| < 1$  અને  $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$  છે. જો  $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$  સમાંતર શ્રેણીમાં

હોય, તો :

Options :

70819138943. a, b અને c સમાંતર શ્રેણીમાં છે.

70819138944. a, b અને c સમગુણોત્તર શ્રેણીમાં છે.

70819138945. a, 2b અને c સમાંતર શ્રેણીમાં છે.

70819138946. a, b અને c, એ  $2b^2 = ac$  નું સમાધાન કરે છે.

Question Number : 5 Question Id : 70819111956 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 :

70819138947.  $15e + 5$

70819138948.  $15e - 5$

70819138949.  $16e - 5$

70819138950.  $16e - 7$

**Question Number : 5 Question Id : 70819111956 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

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

$$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!} = \underline{\hspace{2cm}}.$$

**Options :**

70819138947.  $15e + 5$

70819138948.  $15e - 5$

70819138949.  $16e - 5$

70819138950.  $16e - 7$

**Question Number : 6 Question Id : 70819111957 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 :**

70819138951. 5

70819138952. 3

70819138953. 7

70819138954. 1

**Question Number : 6 Question Id : 70819111957 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

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

$10^{50} + (3 \times (4)^{52}) + \lambda$  એ 9 વડે વિભાજ્ય અને તેવી  $\lambda$  ની નાનામાં નાની ધન પૂર્ણાંક સંખ્યા \_\_\_\_\_ છે.

**Options :**

70819138951. 5

70819138952. 3

70819138953. 7

70819138954. 1

**Question Number : 7 Question Id : 70819111958 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 :**

70819138955. 455

70819138956. 421

70819138957. 435

70819138958. 441

**Question Number : 7 Question Id : 70819111958 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

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

ત્રણ સમાંતર અને સમતલીય રેખાઓ પર 4, 5 અને 6 બિંદુઓ આવેલા છે. જો ચાર કે તેથી વધુ બિંદુઓ ચક્રિય હોય તેવો કોઈ ગણ ન હોય અને બિન્ન રેખા પર આવેલા ત્રણ બિંદુઓ સમરેખ હોય, તેવો કોઈ ગણ ન હોય, તો બરાબર ત્રણ બિંદુઓ માંથી પસાર થતાં વર્તુળોની સંખ્યા \_\_\_\_\_ છે.

**Options :**

70819138955. 455

70819138956. 421

70819138957. 435

70819138958. 441

**Question Number : 8 Question Id : 70819111959 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 :**

70819138959.  $a = 1, b = 0$

70819138960.  $a = 0, b = 1$

70819138961.  $a = 0, b = -1$

70819138962.  $a = -1, b = 1$

**Question Number : 8 Question Id : 70819111959 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

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

જો  $y = \frac{ax - b}{(x - 1)(x - 4)}$  ને બિંદુ  $(2, -1)$  આગળ આત્યાંતિક મૂલ્ય હોય, તો  $a$  અને  $b$  ના મૂલ્યો \_\_\_\_\_ છે.

**Options :**

70819138959.  $a = 1, b = 0$

70819138960.  $a = 0, b = 1$

70819138961.  $a = 0, b = -1$

70819138962.  $a = -1, b = 1$

**Question Number : 9 Question Id : 70819111960 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 :**

70819138963.  $\frac{9}{13}$

70819138964.  $\frac{15}{4}$

70819138965.  $\frac{13}{9}$

70819138966.  $\frac{1}{13}$

Question Number : 9 Question Id : 70819111960 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

સમતલો  $\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  અને  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  વચ્ચેનું અંતર \_\_\_\_\_ છે.

Options :

70819138963.  $\frac{9}{13}$

70819138964.  $\frac{15}{4}$

70819138965.  $\frac{13}{9}$

70819138966.  $\frac{1}{13}$

Question Number : 10 Question Id : 70819111961 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 :

70819138967.  $\frac{7}{20}$

70819138968.  $\frac{1}{20}$

70819138969.  $\frac{19}{20}$

70819138970.  $\frac{12}{20}$

**Question Number : 10 Question Id : 70819111961 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

બે વિદ્યાર્થીઓ X અને Y દ્વારા ગણિતનો એક પ્રશ્ન ઉકેલી શકાય તેની સંભાવના અનુક્રમે  $\frac{1}{4}$  અને  $\frac{1}{5}$  છે. જો તેમનાં બંને આ પ્રશ્ન ઉકેલવાનો સ્વતંત્ર રીતે પ્રયત્ન કરે, તો બંને માંથી બરાબર અંક બે દ્વારા આ પ્રશ્ન ઉકેલી શકાય તેની સંભાવના \_\_\_\_\_ છે.

**Options :**

70819138967.  $\frac{7}{20}$

70819138968.  $\frac{1}{20}$

70819138969.  $\frac{19}{20}$

70819138970.  $\frac{12}{20}$

**Question Number : 11 Question Id : 70819111962 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 :**

70819138971.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$



70819138972.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819138973.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819138974.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

**Question Number : 11 Question Id : 70819111962 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

સંકર સંખ્યા  $\frac{1+i}{1-i}$  નું ધ્રુવીય સ્વરૂપ \_\_\_\_\_ છે.

**Options :**

70819138971.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819138972.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819138973.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819138974.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

**Question Number : 12 Question Id : 70819111963 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 :**

70819138975. 2

70819138976. 3

70819138977. 4

70819138978. 1

**Question Number : 12 Question Id : 70819111963 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

જો બિંદુઓ (1, 0) અને (3, 0) ને જોડતા રેખાખંડનું 2 : 1 નાં ગુણોત્તરમાં વિભાજન કરતી અને તેને લંબ હોય તેવી રેખાનું સમીકરણ  $ax=7$  હોય, તો a નું મૂલ્ય \_\_\_\_\_ છે.

**Options :**

70819138975. 2

70819138976. 3

70819138977. 4

70819138978. 1

**Question Number : 13 Question Id : 70819111964 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 :**

70819138979.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819138980.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819138981.  $2(x^2 + y^2) - x + y + 1 = 0$

70819138982.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 13 Question Id : 70819111964 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

વર્તુળ  $x^2 + y^2 - 2x = 0$  ની રેખા  $x + y = 2$  ને સાપેક્ષ આરસી પ્રતિબિંબ દ્વારા મળતા વર્તુળનું સમીકરણ \_\_\_\_\_ છે.

**Options :**

70819138979.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819138980.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819138981.  $2(x^2 + y^2) - x + y + 1 = 0$

70819138982.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 14 Question Id : 70819111965 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 :**

70819138983.  $y+3=0$  and  $x-1=0$

70819138984.  $x-3=0$  and  $y+1=0$

70819138985.  $x+3=0$  and  $x-1=0$

70819138986.  $y+3=0$  and  $y-1=0$

**Question Number : 14 Question Id : 70819111965 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ઉપવલય  $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  અને વર્તુળ  $(x+1)^2 + (y-1)^2 = 4$  નાં સામાન્ય સ્પર્શકોના સમીકરણ \_\_\_\_\_ છે.

**Options :**

70819138983.  $y+3=0$  અને  $x-1=0$

70819138984.  $x-3=0$  અને  $y+1=0$

70819138985.  $x+3=0$  અને  $x-1=0$

70819138986.  $y+3=0$  અને  $y-1=0$

**Question Number : 15 Question Id : 70819111966 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 :**

70819138987.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819138988.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819138989.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819138990.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

**Question Number : 15 Question Id : 70819111966 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

જો  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$  હોય, તો  $A^k$  ( $k \in \mathbb{N}$ ) \_\_\_\_\_.

**Options :**

70819138987.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819138988.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819138989.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819138990.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

**Question Number : 16 Question Id : 70819111967 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 :**

70819138991.  $s = 5, t = 13$

70819138992.  $s \neq 5$

70819138993.  $s = 5, t \neq 13$

70819138994.  $t \neq 13$

**Question Number : 16 Question Id : 70819111967 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

સમીકરણ સંહિત  $x_1 + x_2 + x_3 = 5$

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

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

ને ઉકેલ ન હોય તેવા  $s$  અને  $t$  નાં મૂલ્યો \_\_\_\_\_ છે.

**Options :**

70819138991.  $s = 5, t = 13$

70819138992.  $s \neq 5$

70819138993.  $s=5, t \neq 13$

70819138994.  $t \neq 13$

**Question Number : 17 Question Id : 70819111968 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 :**

70819138995. 1

70819138996. -1

70819138997. 0

70819138998. 2

**Question Number : 17 Question Id : 70819111968 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

$\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  ને  $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  ને સાપેક્ષ  $(1, \infty)$  માં વિકલિત \_\_\_\_\_ છે.

**Options :**

70819138995. 1

70819138996. -1

70819138997. 0

70819138998. 2

**Question Number : 18 Question Id : 70819111969 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 :**

70819138999.  $\frac{\pi}{6}$

70819139000.  $\frac{\pi}{4}$

70819139001.  $\frac{\pi}{3}$

70819139002.  $\frac{5\pi}{12}$

**Question Number : 18 Question Id : 70819111969 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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



ધારો કે  $\vec{a}$ ,  $\vec{b}$  અને  $\vec{c}$  એ ત્રણ એવા સદિશો છે, કે જેથી  $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$ . જો  $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$  હોય તો,

$\vec{a}$  અને  $\vec{c}$  વચ્ચેનો લઘુકોણ \_\_\_\_\_ છે.

**Options :**

70819138999.  $\frac{\pi}{6}$

70819139000.  $\frac{\pi}{4}$

70819139001.  $\frac{\pi}{3}$

70819139002.  $\frac{5\pi}{12}$

**Question Number : 19 Question Id : 70819111970 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 :**

70819139003.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819139004.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819139005.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819139006.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 19 Question Id : 70819111970 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

વિકલ સમીકરણ  $(1+y^2)dx = (\tan^{-1}y - x)dy$  નો ઉકેલ \_\_\_\_\_ છે.

(જ્યાં  $c$  સ્વૈર અચળાંક છે)

Options :

70819139003.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819139004.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819139005.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819139006.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 20 Question Id : 70819111971 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 :

70819139007.  $[-5, -4] \cup [4, 5]$

70819139008.  $[-5, 4) \cup (-4, 5]$

70819139009.  $(-5, -4) \cup (4, 5)$

70819139010.  $(-5, 4) \cup (-4, 5)$

Question Number : 20 Question Id : 70819111971 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

સદિશ  $\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  એ યામાક્ષોની (ધન દિશા) સાથે લઘુકોણ બનાવે તેવી  $x$  ની કિંમતો \_\_\_\_\_ માં આવેલ છે.

Options :

70819139007.  $[-5, -4] \cup [4, 5]$

70819139008.  $[-5, 4] \cup (-4, 5]$

70819139009.  $(-5, -4) \cup (4, 5)$

70819139010.  $(-5, 4) \cup (-4, 5)$

## Mathematics Section B

Section Id :	708191410
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	5
Section Marks :	20
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	708191690
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 70819111972 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 : 70819111972 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

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 : 22 Question Id : 70819111973 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 :** 70819111973 **Question Type :** SA

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

$9\tan^2\theta + 4\cot^2\theta$  નું ન્યૂનતમ મૂલ્ય \_\_\_\_\_ છે.

**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 :** 70819111974 **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 :** 70819111974 **Question Type :** SA

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

બિંદુ (1, 2, 3) થી રેખા  $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$  નાં લંબની લંબાઈ \_\_\_\_\_ છે.

**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 : 70819111975 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 : 70819111975 Question Type : SA**

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

જો  $\log_3 2, \log_3 (2^x - 5)$  અને  $\log_3 \left(2^x - \frac{7}{2}\right)$  સમાંતર શ્રેણીમાં હોય, તો  $x$  નું મૂલ્ય \_\_\_\_\_ છે.

**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 :** 70819111976 **Question Type :** SA

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

If  $x^2+x+1=0$ , then  $-\left\{\left(x-\frac{1}{x}\right)^2+\left(x^2-\frac{1}{x^2}\right)^2+\left(x^3-\frac{1}{x^3}\right)^2\right\}$  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 :** 25 **Question Id :** 70819111976 **Question Type :** SA

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

જો  $x^2+x+1=0$  હોય, તો  $-\left\{\left(x-\frac{1}{x}\right)^2+\left(x^2-\frac{1}{x^2}\right)^2+\left(x^3-\frac{1}{x^3}\right)^2\right\}$  = \_\_\_\_\_.

**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 : 70819111977 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 : 70819111977 Question Type : SA**

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

વર્તુળ  $x^2 + y^2 - 4x - 2y - 11 = 0$  ને બિંદુ (4, 5) માંથી દોરેલ સ્પર્શકો, ત્રિજ્યાઓની જોડ સાથે એક ચતુષ્કોણ બનાવે છે. આ ચતુષ્કોણનું ક્ષેત્રફળ ચો. એકમમાં \_\_\_\_\_ છે.

**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 : 70819111978 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 :** 70819111978 **Question Type :** SA

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

જો એક દ્વિપદી વિતરણનાં મધ્યક અને વિચરણનો સરવાળો 15 અને તેમના વર્ગોનો સરવાળો 117 હોય, તો નિરપેક્ષ પ્રયત્નોની સંખ્યા \_\_\_\_\_ છે.

**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 :** 70819111979 **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 : 70819111979 Question Type : SA**

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

ધારો કે બિંદુઓ  $(1, 2, 6)$ ,  $(2, 5, 7)$  માંથી પસાર થતાં અને સમતલ  $4x - y + z = 15$  ને લંબ હોય તેવા સમતલનું સમીકરણ  $ax + by + cz + d = 0$  છે. જો  $a, b, c, d \in \mathbb{Z}$  અને ગુ.સા.અ.  $(|a|, |b|, |c|) = 1$  હોય, તો  $|a + b + c + d| = \underline{\hspace{2cm}}$ .

**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 : 29 Question Id : 70819111980 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 : 70819111980 Question Type : SA**

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

સમીકરણ  $4\sin^2x - 8\sin x + 3 = 0$  નાં,  $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  અંતરાલમાં વાસ્તવિક ઉકેલોની સંખ્યા          છે.

**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 :** 70819111981 **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 :** 70819111981 **Question Type :** SA

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

ધારો કે  $A_1, A_2, A_3, \dots$  એ એક વધતી સમઘુણોત્તર શ્રેણી છે. જો  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  અને  $A_5A_7 = 441$  હોય, તો  $3(A_2 + A_4) =$  \_\_\_\_\_.

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Range

**Text Areas :** PlainText

**Possible Answers :**

## Aptitude Test

<b>Section Id :</b>	708191411
<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
<b>Sub-Section Id :</b>	708191691
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 31 Question Id : 70819111982 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 :**

70819139021. United Nations Educational, Scientific & Cultural Organization.

70819139022. United Nations Educational Security Cultural Organization.

70819139023. United Nations Entrance Site Calling Organization.

70819139024. United Nations Educational, Sustainable & Cultural Organization.

**Question Number : 31 Question Id : 70819111982 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

‘UNESCO’ નું પૂર્ણ સ્વરૂપ નીચેનામાંથી કયું છે ?

**Options :**

70819139021. United Nations Educational, Scientific & Cultural Organization.

70819139022. United Nations Educational Security Cultural Organization.

70819139023. United Nations Entrance Site Calling Organization.

70819139024. United Nations Educational, Sustainable & Cultural Organization.

**Question Number : 32 Question Id : 70819111983 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 :**

70819139025. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819139026. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819139027. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)



Question Number : 32 Question Id : 70819111983 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ચાદી-II ને ચાદી-I સાથે ગોઠવો.

ચાદી - I

ચાદી - II

(I) હોલ ઓફ નેશન

(a)



(II) ફોલિંગ વોટર, પેન્સિલ્વેનીયા

(b)



(III) પેટ્રોનસ ટોવર

(c)



(IV) સેક્રેટરિએટ (Secretariat)

(d)



Options :

70819139025. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819139026. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819139027. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819139028. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 33 Question Id : 70819111984 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 :**

70819139029. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819139030. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819139031. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819139032. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 33 Question Id : 70819111984 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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



यादी-II ने यादी-I साथे गोठवो.

यादी-I	यादी-II
(I) कामरु (Kamnu)	(a) विक्रोरिया मेमोरियल हॉल
(II) दिल्ली	(b) अद्विनाथ मंदिर
(III) इतेपुर सिंकी	(c) खिरकी मस्जिद (Khirki Masjid)
(IV) कोलकाता	(d) बुलंद दरवाजा

**Options :**

70819139029. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819139030. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819139031. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819139032. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 34 Question Id : 70819111985 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 :

70819139033. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819139034. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819139035. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819139036. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819111985 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

યાદી-II ને યાદી-I સાથે ગોઠવો.

યાદી - I

યાદી - II

(I) આગ્રા કિલ્લો

(a)



(II) અટાલા મસ્જિદ

(b)



(III) નાલંદા વિશ્વવિદ્યાલય

(c)



(IV) જગન્નાથ મંદિર

(d)



Options :

70819139033. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819139034. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819139035. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819139036. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 35 Question Id : 70819111986 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 :**

70819139037. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819139038. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819139039. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819139040. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 35 Question Id : 70819111986 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

ચાદી - II ને ચાદી - I સાથે ગોઠવો.

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

**Options :**

70819139037. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819139038. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819139039. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819139040. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 36 Question Id : 70819111987 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 :**

70819139041. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819139042. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819139043. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819139044. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 36 Question Id : 70819111987 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**



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

ચાદી - II ને ચાદી - I સાથે ગોઠવો.

ચાદી - I

ચાદી - II

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

નીચેનાં વિકલ્પોમાંથી સાચો જવાબ પસંદ કરો.

**Options :**

70819139041. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819139042. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819139043. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819139044. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

**Question Number : 37 Question Id : 70819111988 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 :**

70819139045. B.V. Doshi

70819139046. Arundhati Roy

70819139047. Revati Kamat

70819139048. Bimal Patel

Question Number : 37 Question Id : 70819111988 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

નીચેનામાંથી કયા ભારતીય વાસ્તુકારે પુસ્તક 'God of small things' લખ્યું છે ?

Options :

70819139045. બી.વી. દોશી

70819139046. અરુંધતી રોય (Arundhati Roy)

70819139047. રેવતી કામત

70819139048. બિમલ પટેલ

Question Number : 38 Question Id : 70819111989 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 :

70819139049. Gujarat

70819139050. West Bengal

70819139051. Tamil Nadu

70819139052. Rajasthan

Question Number : 38 Question Id : 70819111989 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

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

'ઝરોખા' એ બારીનો એક પ્રકાર છે જે મુખ્યત્વે નીચેનામાં કયાં જોવા મળે છે ?

**Options :**

70819139049. ગુજરાત

70819139050. પશ્ચિમ બંગાલ

70819139051. તામિલનાડુ

70819139052. રાજસ્થાન

**Question Number : 39 Question Id : 70819111990 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 :**

70819139053. North-West side

70819139054. South-East side

70819139055. North side

70819139056. South-West side

**Question Number : 39 Question Id : 70819111990 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ભારતીય ઉપખંડમાં ચોમાસું પવનો કઈ દિશામાંથી પ્રવેશે છે ?



**Options :**

70819139053. वायव्य बाहुथी

70819139054. अग्नि बाहुथी

70819139055. उत्तर तरङ्गथी

70819139056. नैऋत्य बाहुथी

**Question Number : 40 Question Id : 70819111991 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 :**

70819139057. Bharat Bhavan in Bhopal

70819139058. LIC Building in Delhi

70819139059. Charminar in Hyderabad

70819139060. Victoria Memorial in Kolkata

**Question Number : 40 Question Id : 70819111991 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

નીચેનામાંથી ભારતનું કયું મકાન વસાહતી-સ્થાપત્ય-ભાત (Colonial Architectural pattern) ને રજૂ કરે છે.

**Options :**

70819139057. ભોપાલનું ભારત ભવન

70819139058. દિલ્હીનું LIC મકાન

70819139059. હૈદરાબાદનાં ચાર મિનાર

70819139060. કલકત્તાનું વિક્ટોરીયા મેમોરિયલ

**Question Number : 41 Question Id : 70819111992 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 :**

70819139061.  $420 \times 590$  (mm  $\times$  mm)

70819139062.  $420 \times 594$  (mm  $\times$  mm)

70819139063.  $297 \times 420$  (mm  $\times$  mm)

70819139064.  $420 \times 592$  (mm  $\times$  mm)

**Question Number : 41 Question Id : 70819111992 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

A2 ચિત્ર-તકતિ (Drawing sheet) નું કદ કયું હોય છે ?

**Options :**

70819139061.  $420 \times 590$  (mm  $\times$  mm)

70819139062. 420 × 594 (mm × mm)

70819139063. 297 × 420 (mm × mm)

70819139064. 420 × 592 (mm × mm)

**Question Number : 42 Question Id : 70819111993 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 :**

70819139065. Chittor fort

70819139066. Jaigarh fort

70819139067. Bhangarh fort

70819139068. Amer fort

**Question Number : 42 Question Id : 70819111993 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

વિજય સ્તંભ નીચેનામાંથી કયા ગઢમાં આવેલ છે ?

**Options :**

70819139065. ચિત્તોડ ગઢ

70819139066. જયગઢ કિલ્લો

70819139067. ભાંગગઢ કિલ્લો

70819139068. અમેર ગઢ

**Question Number : 43 Question Id : 70819111994 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 :**

70819139069. Sanjay Puri

70819139070. Vikram Lall

70819139071. Ashok Lall

70819139072. C. Sompura

**Question Number : 43 Question Id : 70819111994 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

પ્રખ્યાત મંદિર "અક્ષરધામ" નીચેનામાંથી કયા વાસ્તુકારે ડિઝાઇન કર્યું છે ?

**Options :**

70819139069. સંજય પુરી

70819139070. વિક્રમ લાલ

70819139071. અશોક લાલ

70819139072. સી. સોમપુરા

**Question Number : 44 Question Id : 70819111995 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

'Volume Zero' Documentary is on which Architect ?

**Options :**

70819139073. Charles Correa

70819139074. Richard Mier

70819139075. Jasbir Sachdev

70819139076. Ranjit Sabliki

**Question Number : 44 Question Id : 70819111995 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

'Volume Zero' દસ્તાવેજ કયા વાસ્તુકાર પર છે ?

**Options :**

70819139073. ચાર્લ્સ કોરીયા

70819139074. રીચાર્ડ મેર (Richard Mier)

70819139075. જસબીર સચદેવ

70819139076. રણજીત સબલીકી (Ranjit Sabliki)

**Question Number : 45 Question Id : 70819111996 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

'Agenda 21' is declaration related with :

**Options :**

70819139077. Climate change

70819139078. Global warming

70819139079. Sustainable development

70819139080. Smart city

**Question Number : 45 Question Id : 70819111996 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

'એજંડા 21' એ શાને સંબંધીત ઘોષણા છે ?

**Options :**

70819139077. હવામાન બદલાવ

70819139078. વૈશ્વિક વધતા તાપમાનની ઘટના

70819139079. સર્વગ્રાહી વિકાસ

70819139080. સ્માર્ટ શહેર

**Question Number : 46 Question Id : 70819111997 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 :**

70819139081. Karnataka

70819139082. Orissa

70819139083. Maharashtra

70819139084. Uttar Pradesh

**Question Number : 46 Question Id : 70819111997 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ભારતનાં કયા રાજ્યમાં સોનાંની ખાણ આવેલી છે ?

**Options :**

70819139081. કર્ણાટક

70819139082. ઓરિસ્સા

70819139083. મહારાષ્ટ્ર

70819139084. ઉત્તરપ્રદેશ

**Question Number : 47 Question Id : 70819111998 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 :**

70819139085. North

70819139086. South

70819139087. East

70819139088. West

**Question Number : 47 Question Id : 70819111998 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

दक्षिण गोलार्धमां ढडछायारहित ढकाश कर्छ दिशाभांथी आवे ?

**Options :**

70819139085. उत्तर

70819139086. दक्षिण

70819139087. पूर्व

70819139088. पश्चिम

**Question Number : 48 Question Id : 70819111999 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 :**



70819139089. B.V. Doshi

70819139090. Laurie Baker

70819139091. Raj Rewal

70819139092. Achyut Kanvinde

**Question Number : 48 Question Id : 70819111999 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

2018 માં પ્રિટ્ઝ્કર પુરસ્કાર મેળવનાર પ્રથમ ભારતીય વાસ્તુકાર કોણ હતાં ?

**Options :**

70819139089. બી.વી. દોશી

70819139090. લોરી બેકર

70819139091. રાજ રેવાલ

70819139092. અચ્યુત કરવીન્દે

**Question Number : 49 Question Id : 70819112000 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

Word "Bungalow" has originated from :

**Options :**

70819139093. Bengalurm

70819139094. Banaras

70819139095. Bengal

70819139096. Bari

**Question Number : 49 Question Id : 70819112000 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

“Bungalow” શબ્દ નીચેનામાંથી કોની ઉપરથી ઉદ્ભવ્યો છે ?

**Options :**

70819139093. Bengalurm

70819139094. Banaras

70819139095. Bengal

70819139096. Bari

**Question Number : 50 Question Id : 70819112001 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 :**

70819139097. Laurie Baker

70819139098. Louis Kahn

70819139099. Lutyen

70819139100. Le Corbusier

**Question Number : 50 Question Id : 70819112001 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

IIM - અમદાવાદની ડિઝાઇન નીચેનામાંથી કયા વાસ્તુકારે કરેલ છે ?

**Options :**

70819139097. લોરી બેકર

70819139098. લૂઈ કાહ્ન

70819139099. લ્યુટીયન

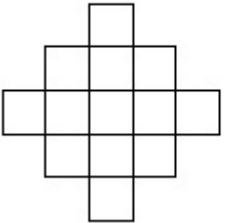
70819139100. લી કોર્બસીયર

**Question Number : 51 Question Id : 70819112002 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 :**

70819139101. 14

70819139102. 13

70819139103. 15

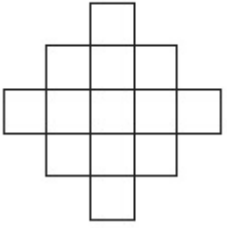
70819139104. 18

**Question Number : 51 Question Id : 70819112002 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

આપેલ આકૃતિમાં કેટલા ચોરસ આવેલા છે ?



**Options :**

70819139101. 14

70819139102. 13

70819139103. 15

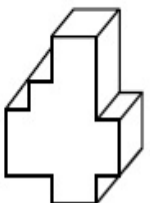
70819139104. 18

**Question Number : 52 Question Id : 70819112003 Question Type : MCQ Option Shuffling : Yes**

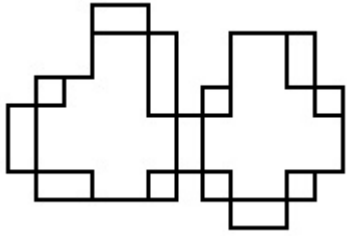
**Is Question Mandatory : No**

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

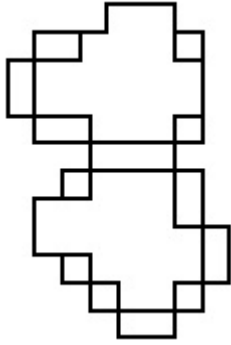
A drawing is provided with all the folds to construct the following three Dimensional object.  
Select the correct one.



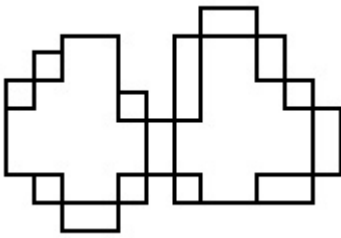
**Options :**



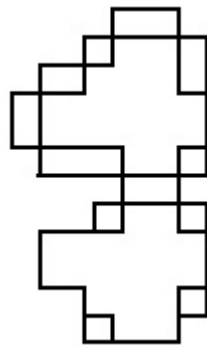
70819139105.



70819139106.



70819139107.



70819139108.

**Question Number : 52 Question Id : 70819112003 Question Type : MCQ Option Shuffling : Yes**

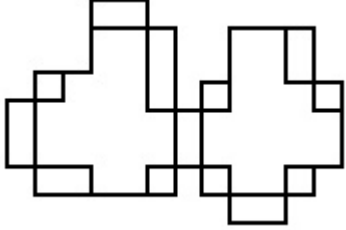
**Is Question Mandatory : No**

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

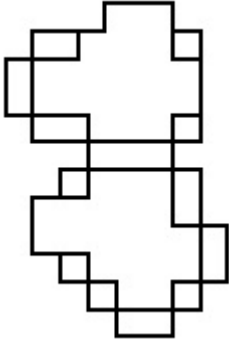
જવાબ આકૃતિમાંથી એ સાચી આકૃતિ શોધો જેની બધી ગડીઓને વાળીને આપેલ ત્રિ-પરિમાણી પદાર્થનું નિર્માણ કરી શકાય.



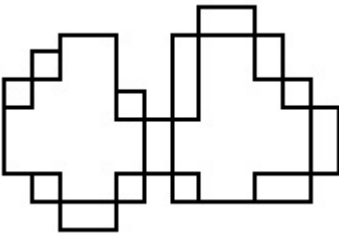
**Options :**



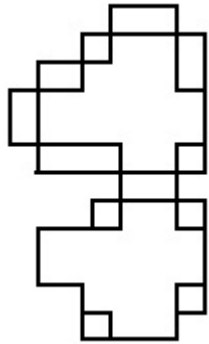
70819139105.



70819139106.



70819139107.

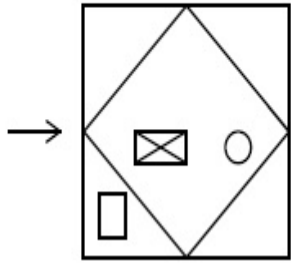


70819139108.

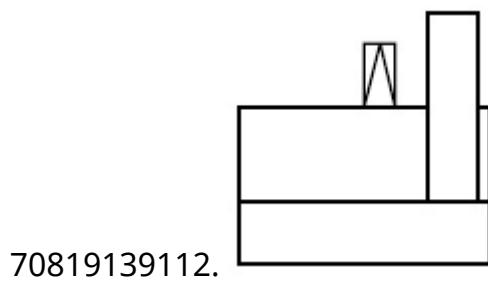
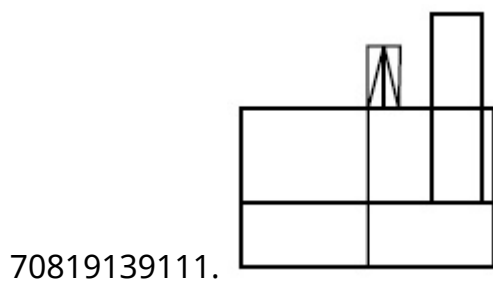
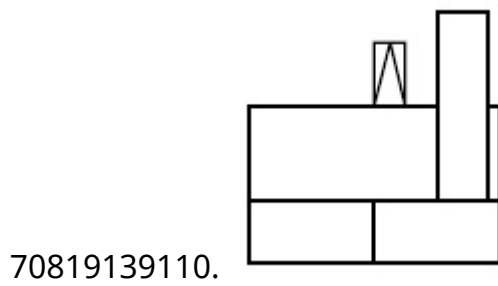
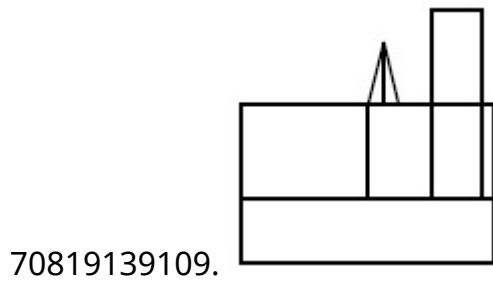
**Is Question Mandatory : No**

**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 :**

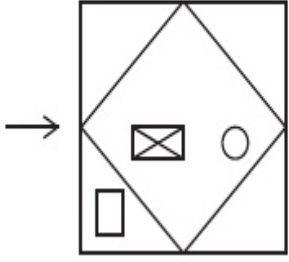


Question Number : 53 Question Id : 70819112004 Question Type : MCQ Option Shuffling : Yes

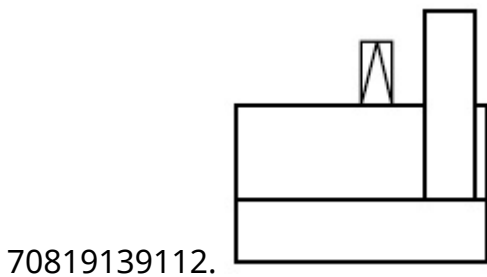
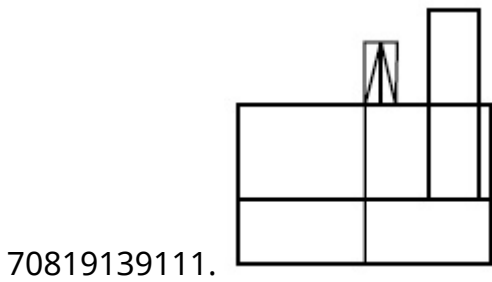
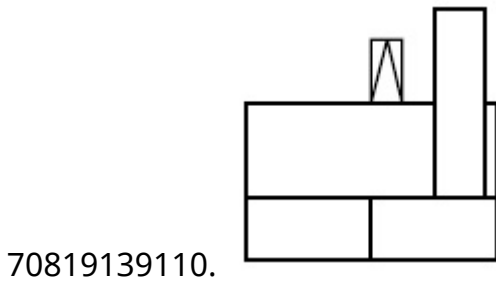
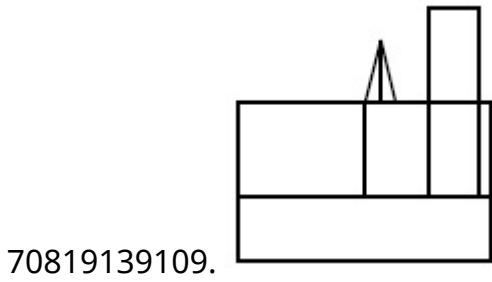
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિ એક પદાર્થનું ઉપરી દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :



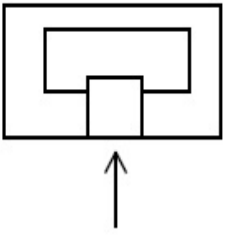


Question Number : 54 Question Id : 70819112005 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

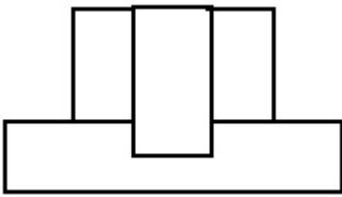
Correct Marks : 4 Wrong Marks : 1

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

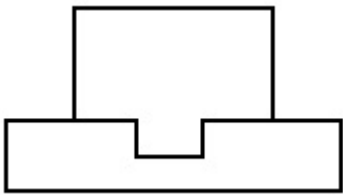


Options :

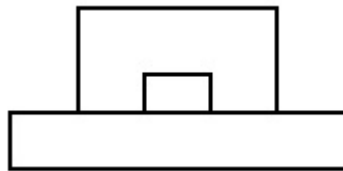
70819139113.



70819139114.



70819139115.



70819139116.

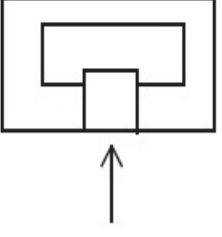


Question Number : 54 Question Id : 70819112005 Question Type : MCQ Option Shuffling : Yes

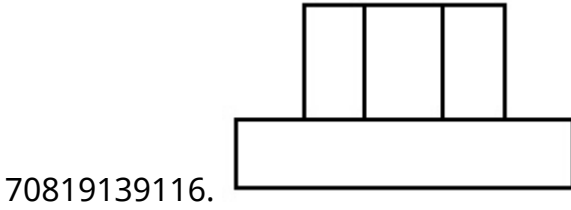
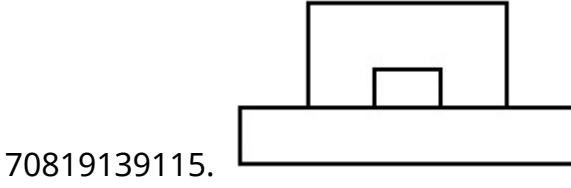
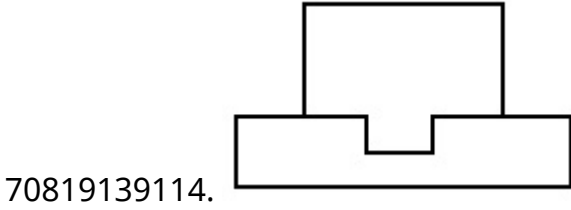
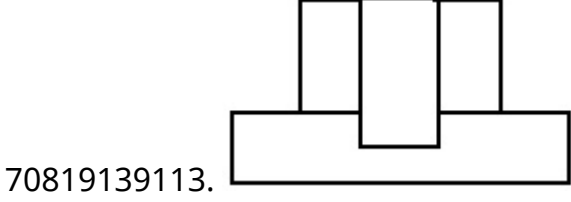
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિ એક પદાર્થનું ઉપરી દૃશ્ય બતાવે છે. ત્રીસની દિશામાં બેતાં મળતું સાચું ઉન્નત દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.

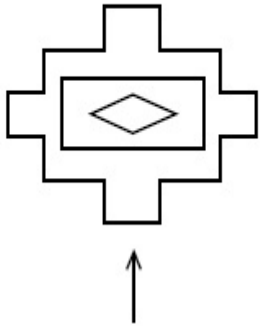


Options :

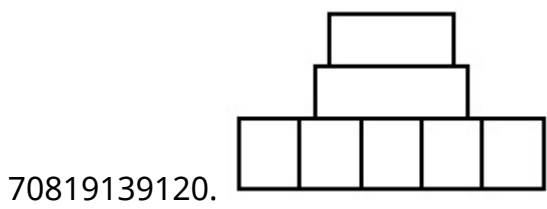
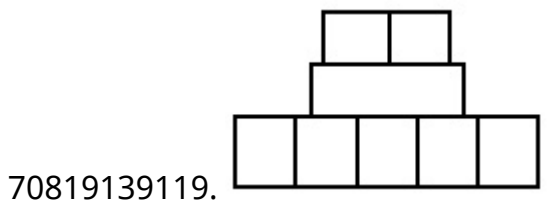
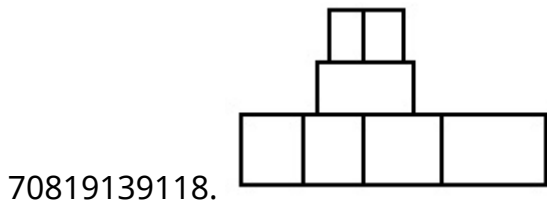
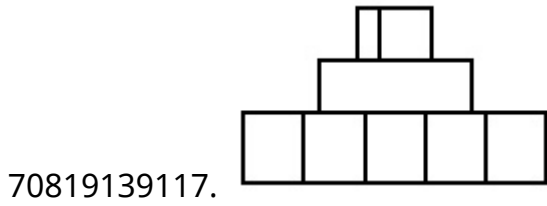


Question Number : 55 Question Id : 70819112006 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No  
Correct Marks : 4 Wrong Marks : 1

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 :

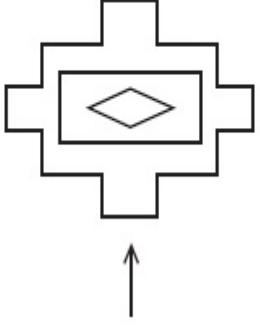


Question Number : 55 Question Id : 70819112006 Question Type : MCQ Option Shuffling : Yes

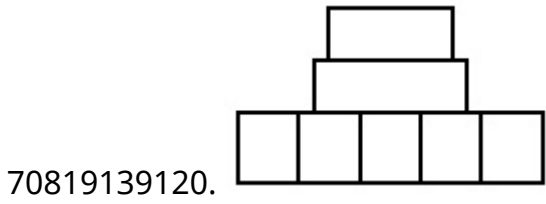
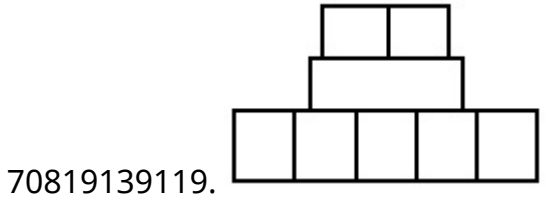
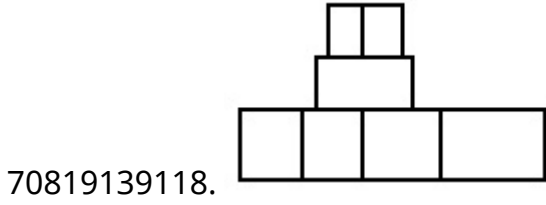
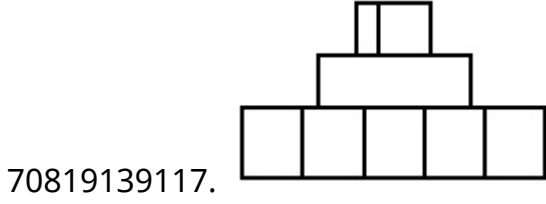
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિ એક વસ્તુનું ઉપરી દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું ઉન્નત દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

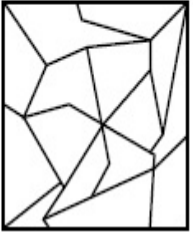


Question Number : 56 Question Id : 70819112007 Question Type : MCQ Option Shuffling : Yes

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 :**

70819139121.

70819139122.

70819139123.

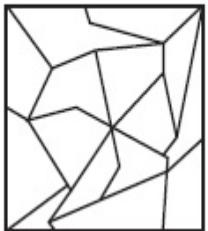
70819139124.

**Question Number : 56 Question Id : 70819112007 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

જવાબ આકૃતિઓમાંથી એક આકૃતિ એજ કદ અને દિશા સાથે પ્રશ્ન આકૃતિમાં છૂપાયેલી છે. સાચો જવાબ શોધો.



**Options :**

70819139121.

70819139122.



70819139123.



70819139124.



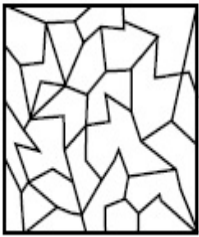
**Question Number : 57 Question Id : 70819112008 Question Type : MCQ Option Shuffling : Yes**

**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 :**

70819139125.



70819139126.



70819139127.



70819139128.

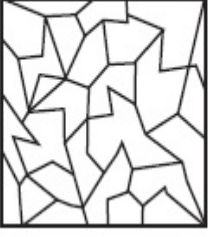


Question Number : 57 Question Id : 70819112008 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંની એક આકૃતિ એજ કદ અને દિશા સાથે પ્રશ્ન આકૃતિમાં છૂપાયેલી છે. સાચો જવાબ શોધો.



Options :

70819139125.



70819139126.



70819139127.



70819139128.

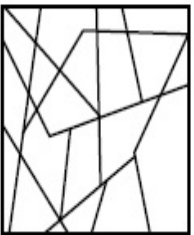


Question Number : 58 Question Id : 70819112009 Question Type : MCQ Option Shuffling : Yes

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 :

70819139129.



70819139130.



70819139131.



70819139132.

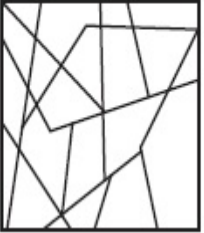


**Question Number : 58 Question Id : 70819112009 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

જવાબ આકૃતિઓમાંની એક આકૃતિ એજ કદ અને દિશા સાથે પ્રશ્ન આકૃતિમાં ધૂપાયેલી છે. સાચો જવાબ શોધો.



**Options :**

70819139129.



70819139130.



70819139131.



70819139132.

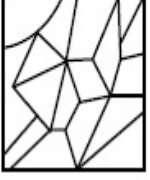




Question Number : 59 Question Id : 70819112010 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

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 :

70819139133.

70819139134.

70819139135.

70819139136.

Question Number : 59 Question Id : 70819112010 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંની એક આકૃતિ એજ કદ અને દિશા સાથે પ્રશ્ન આકૃતિમાં છૂપાયેલી છે. સાચો જવાબ શોધો.



Options :

70819139133.

70819139134.



70819139135.



70819139136.

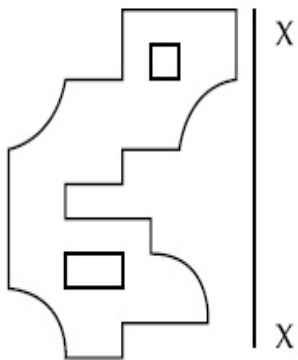


**Question Number : 60 Question Id : 70819112011 Question Type : MCQ Option Shuffling : Yes**

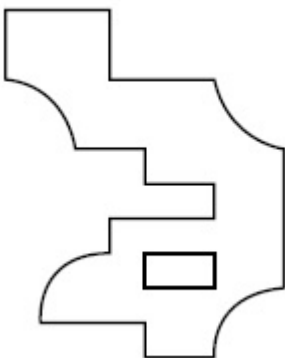
**Is Question Mandatory : No**

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

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

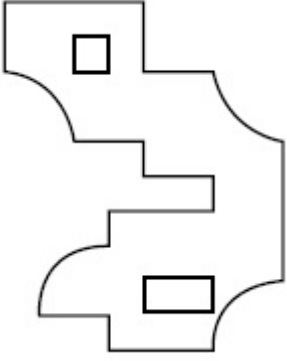
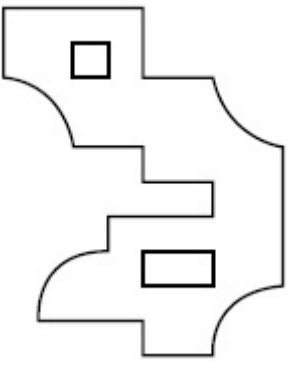


**Options :**

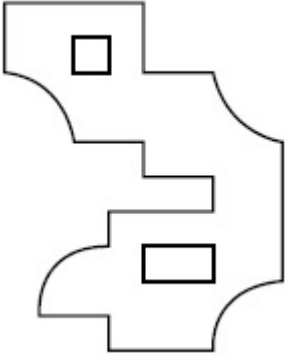


70819139137.

70819139138.



70819139139.

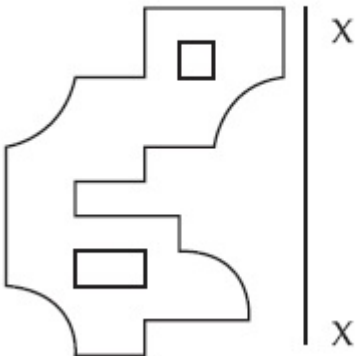


70819139140.

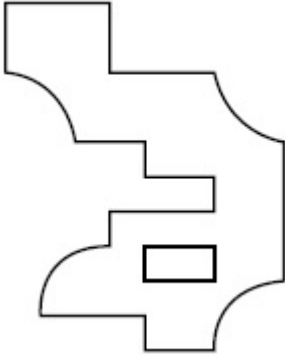
**Question Number : 60 Question Id : 70819112011 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

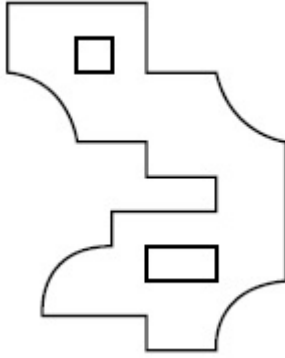
પ્રશ્ન આકૃતિનું X-X ને સાપેક્ષ સાચું આરસી-પ્રતિબિંબ જવાબ આકૃતિઓમાંથી નક્કી કરો.



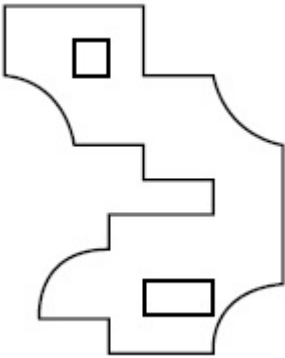
**Options :**



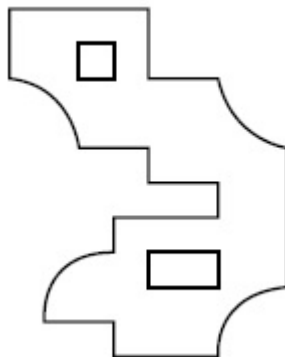
70819139137.



70819139138.



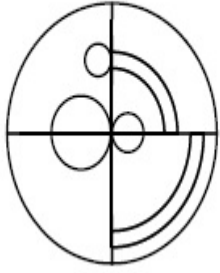
70819139139.



70819139140.

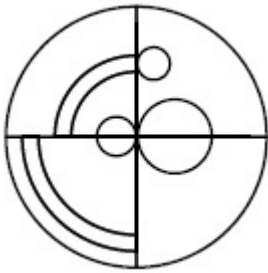
**Correct Marks : 4 Wrong Marks : 1**

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

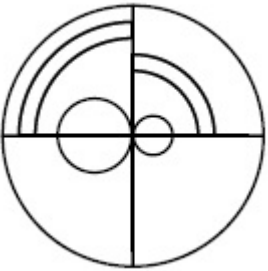


X ————— X

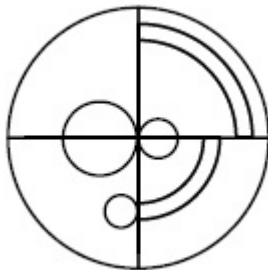
**Options :**



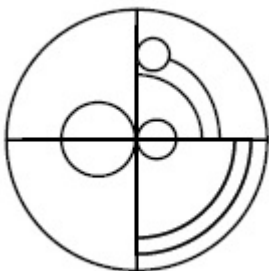
70819139141.



70819139142.



70819139143.



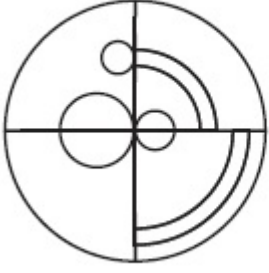
70819139144.

Question Number : 61 Question Id : 70819112012 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

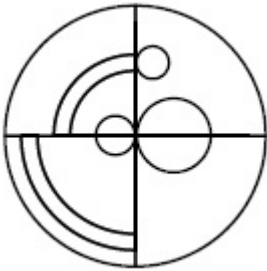
Correct Marks : 4 Wrong Marks : 1

પ્રશ્ન આકૃતિનું X-X ને સાપેક્ષ સાચું આરસી-પ્રતિબિંબ જવાબ આકૃતિઓમાંથી નક્કી કરો.

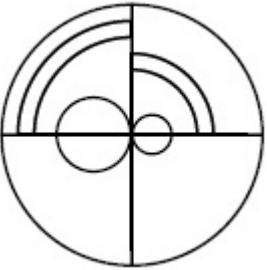


X ————— X

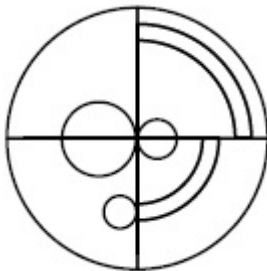
Options :



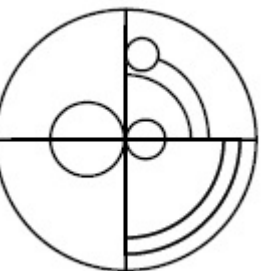
70819139141.



70819139142.



70819139143.

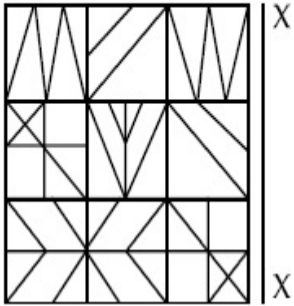


70819139144.

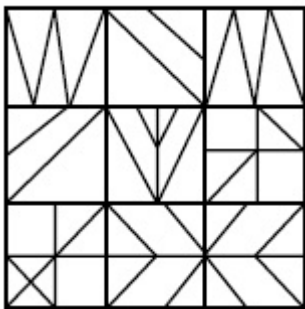
Question Number : 62 Question Id : 70819112013 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

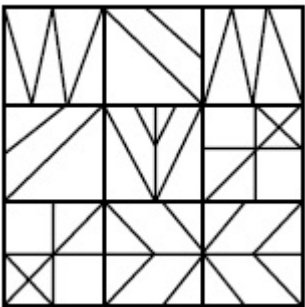
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



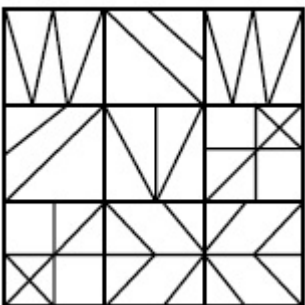
Options :



70819139145.

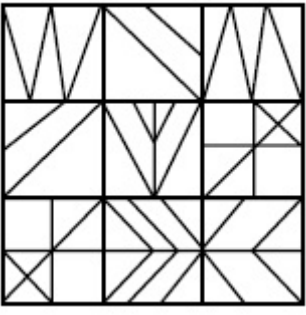


70819139146.



70819139147.

70819139148.

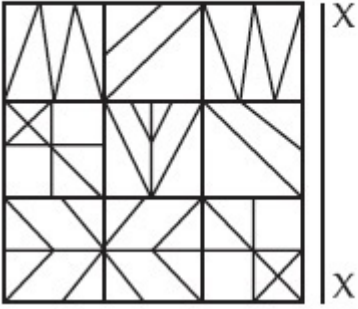


Question Number : 62 Question Id : 70819112013 Question Type : MCQ Option Shuffling : Yes

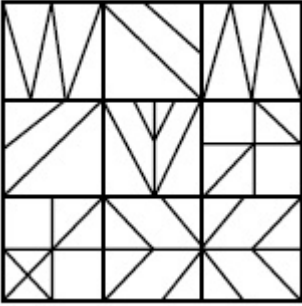
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

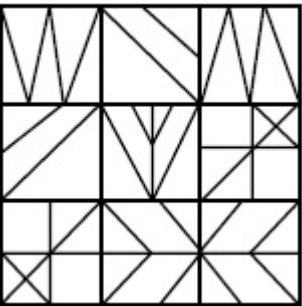
પ્રશ્ન આકૃતિનું X-X ને સાપેક્ષ સાચું આરસી-પ્રતિબિંબ જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :



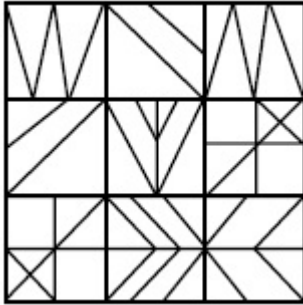
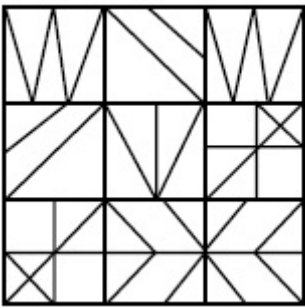
70819139145.



70819139146.

70819139147.





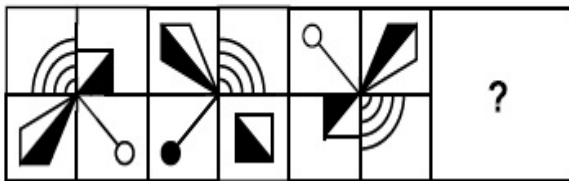
70819139148.

**Question Number : 63 Question Id : 70819112014 Question Type : MCQ Option Shuffling : Yes**

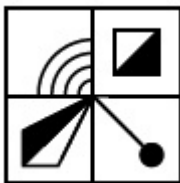
**Is Question Mandatory : No**

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

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



**Options :**



70819139149.



70819139150.

70819139151.



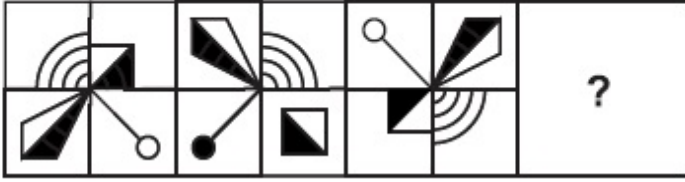
70819139152.

Question Number : 63 Question Id : 70819112014 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

જવાબ આકૃતિઓમાંની કઈ આકૃતિ પ્રશ્ન આકૃતિઓની શ્રેણીને પૂર્ણ કરે છે ? એક સાચું પસંદ કરો.



Options :



70819139149.



70819139150.



70819139151.

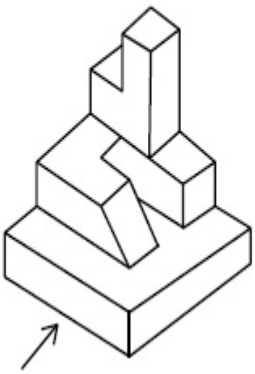
70819139152.



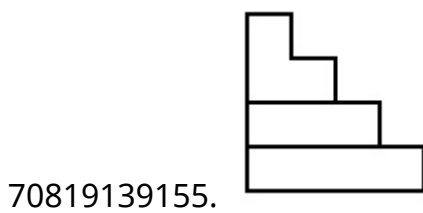
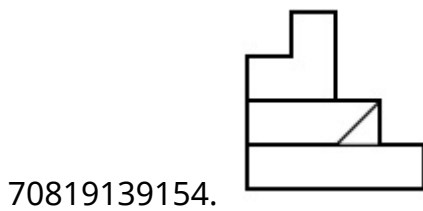
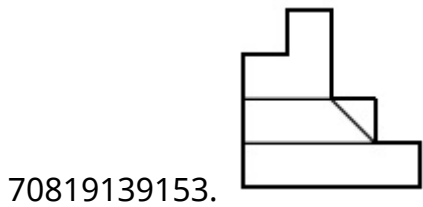
**Question Number : 64 Question Id : 70819112015 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

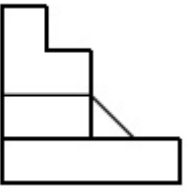
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



**Options :**



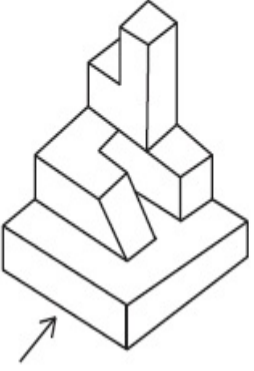
70819139156.



Question Number : 64 Question Id : 70819112015 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

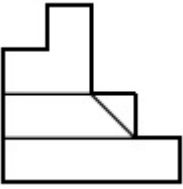
Correct Marks : 4 Wrong Marks : 1

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.

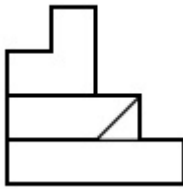


Options :

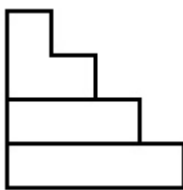
70819139153.



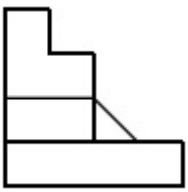
70819139154.



70819139155.



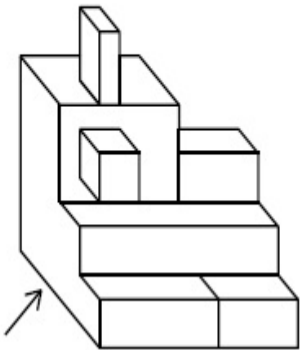
70819139156.



**Question Number : 65 Question Id : 70819112016 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

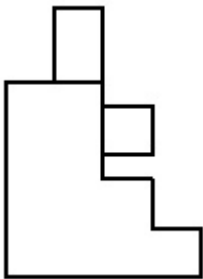
**Correct Marks : 4 Wrong Marks : 1**

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

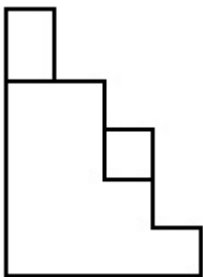


**Options :**

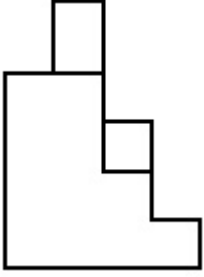
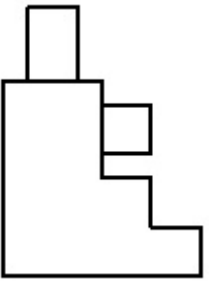
70819139157.



70819139158.



70819139159.



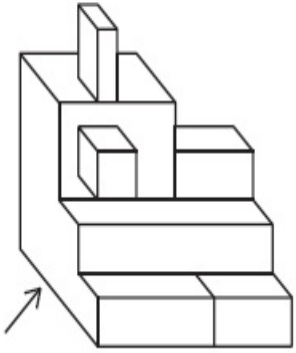
70819139160.

**Question Number : 65 Question Id : 70819112016 Question Type : MCQ Option Shuffling : Yes**

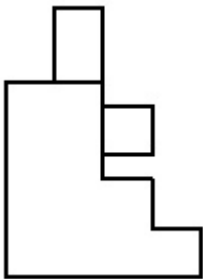
**Is Question Mandatory : No**

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

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.

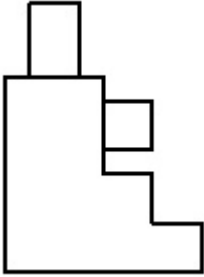
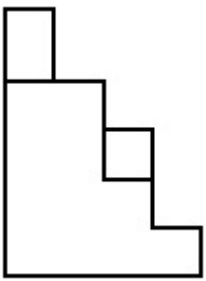


**Options :**

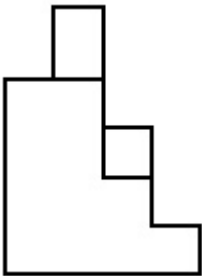


70819139157.

70819139158.



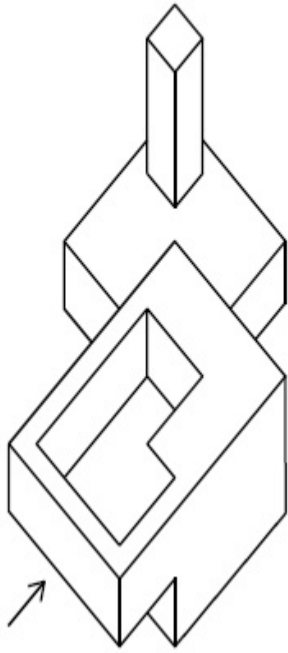
70819139159.



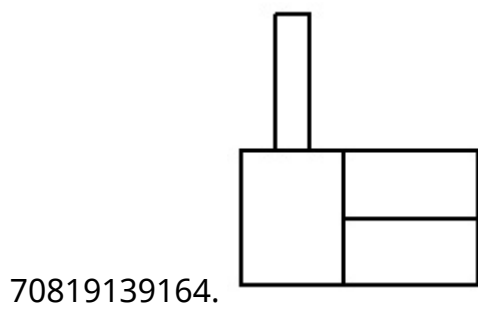
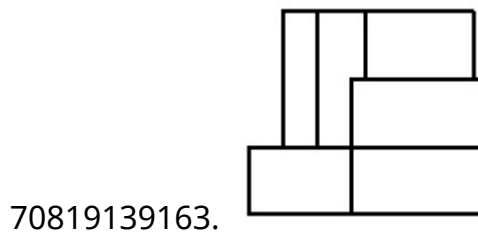
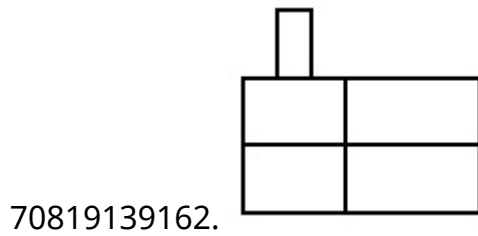
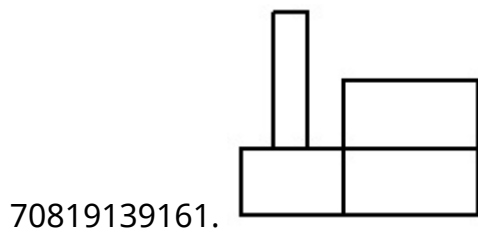
70819139160.

**Question Number : 66 Question Id : 70819112017 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 :**

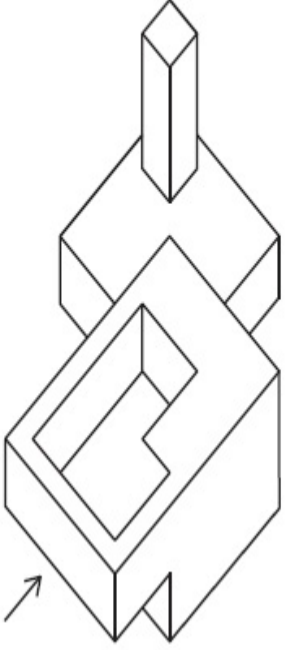




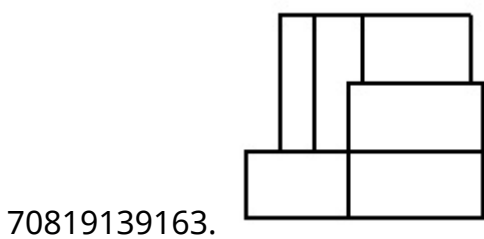
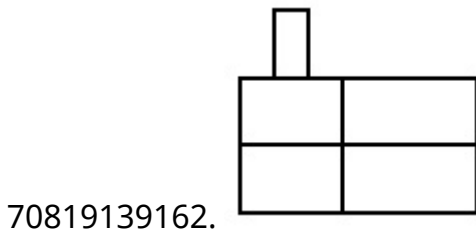
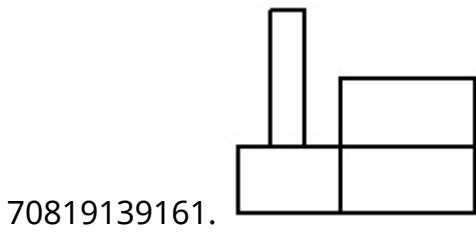
Question Number : 66 Question Id : 70819112017 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

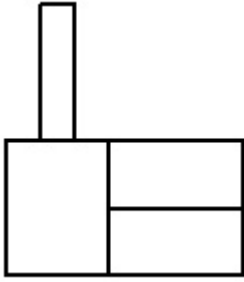
ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :



70819139164.

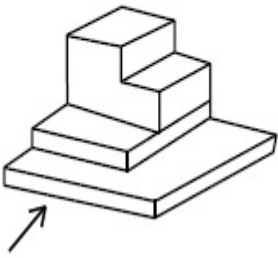


**Question Number : 67 Question Id : 70819112018 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

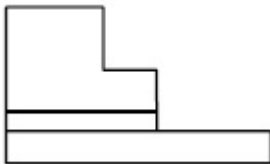
**Correct Marks : 4 Wrong Marks : 1**

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

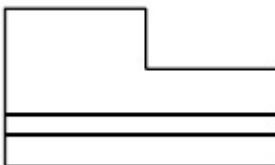


**Options :**

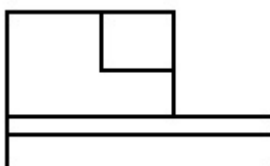
70819139165.



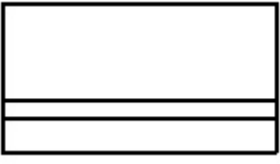
70819139166.



70819139167.



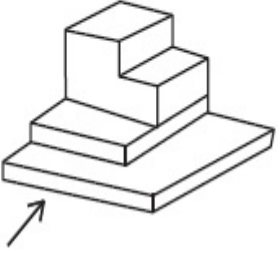
70819139168.



Question Number : 67 Question Id : 70819112018 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

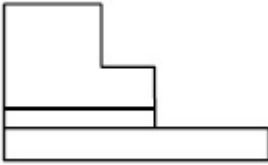
Correct Marks : 4 Wrong Marks : 1

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.

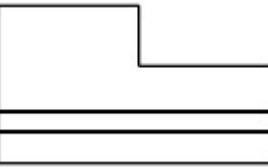


Options :

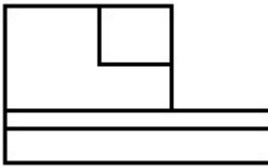
70819139165.



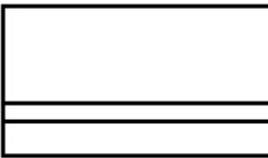
70819139166.



70819139167.



70819139168.

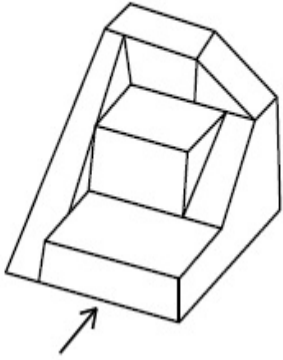


Question Number : 68 Question Id : 70819112019 Question Type : MCQ Option Shuffling : Yes

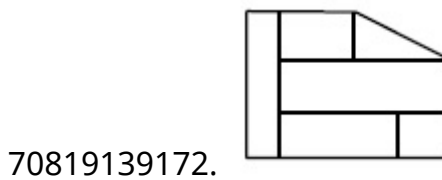
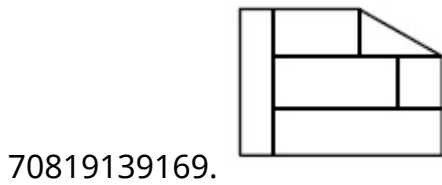
Is Question Mandatory : No

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 :

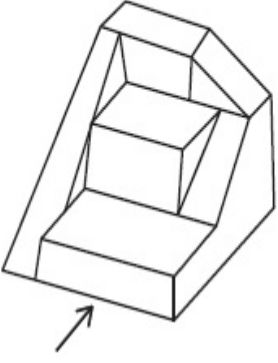


Question Number : 68 Question Id : 70819112019 Question Type : MCQ Option Shuffling : Yes

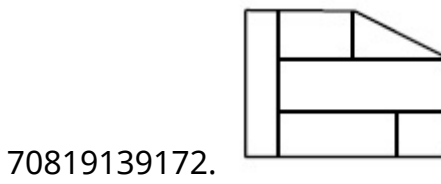
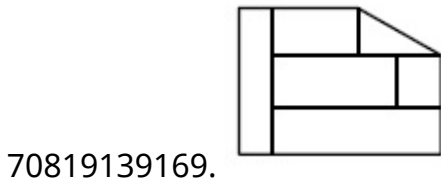
Is Question Mandatory : No

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

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



**Options :**

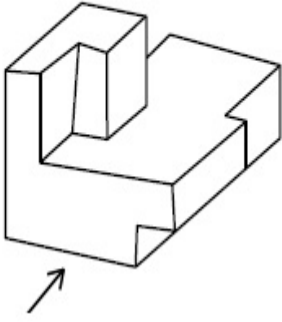


**Question Number : 69 Question Id : 70819112020 Question Type : MCQ Option Shuffling : Yes**

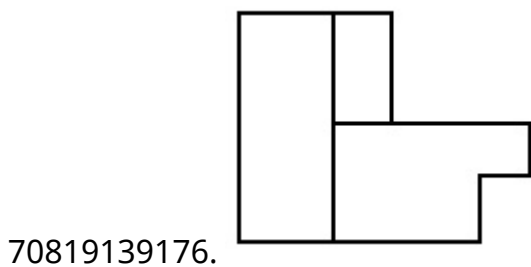
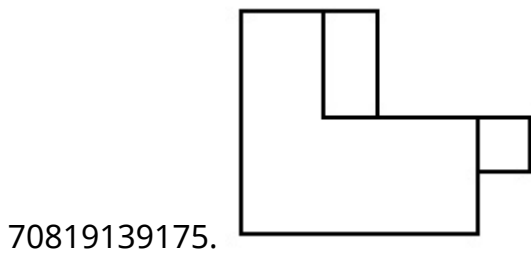
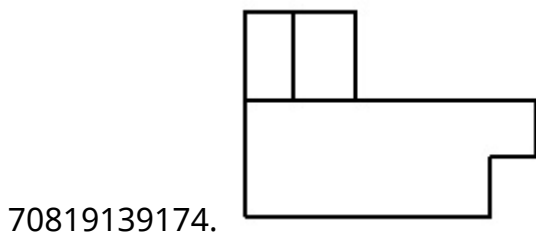
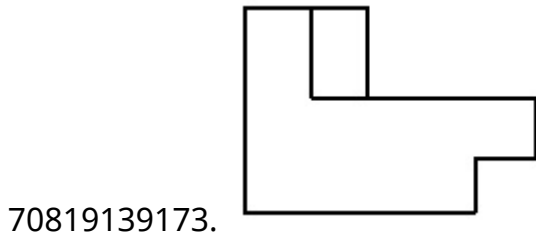
**Is Question Mandatory : No**

**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 :

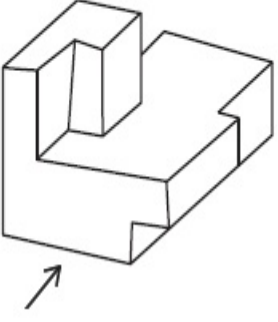


Question Number : 69 Question Id : 70819112020 Question Type : MCQ Option Shuffling : Yes

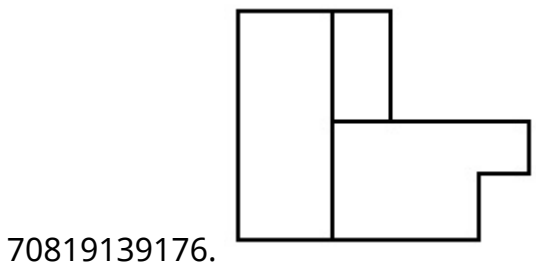
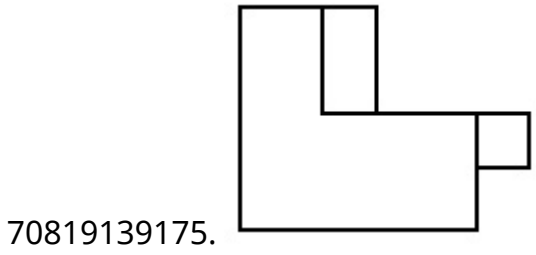
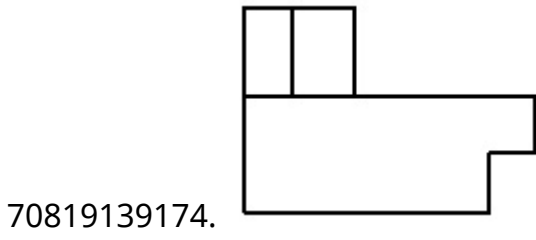
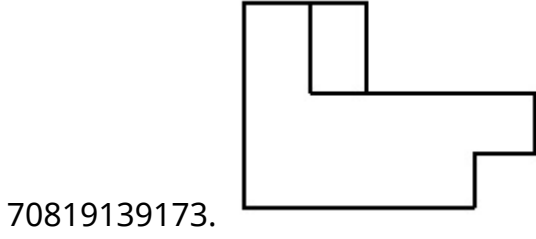
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં જોતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.

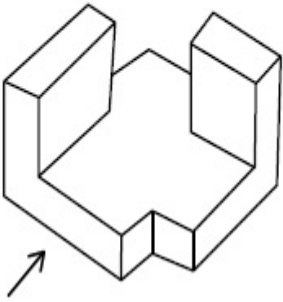


Options :

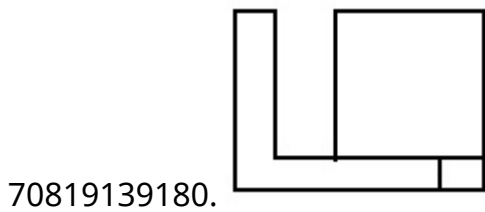
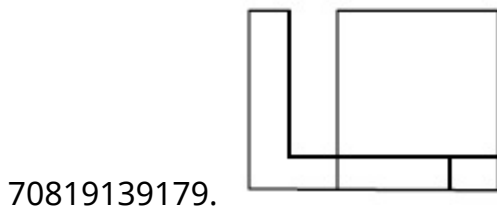
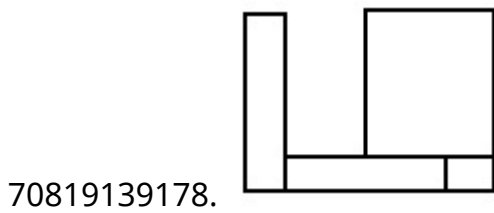
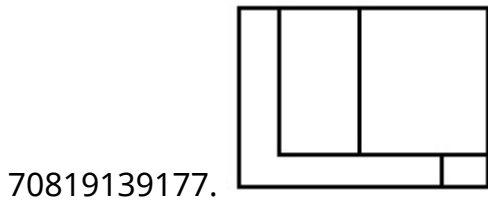


**Correct Marks : 4 Wrong Marks : 1**

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



**Options :**



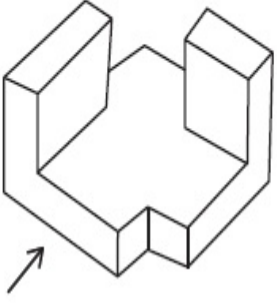
**Question Number : 70 Question Id : 70819112021 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

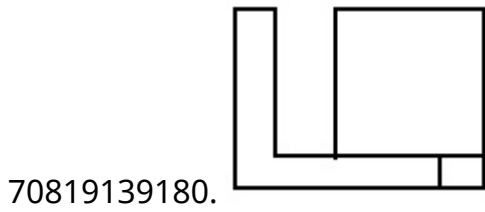
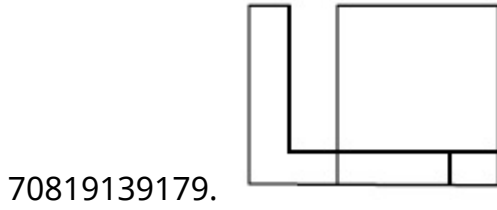
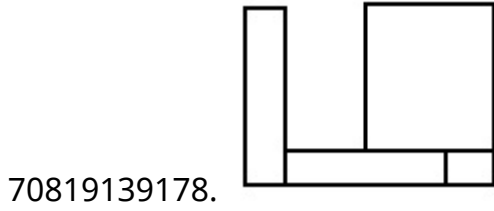
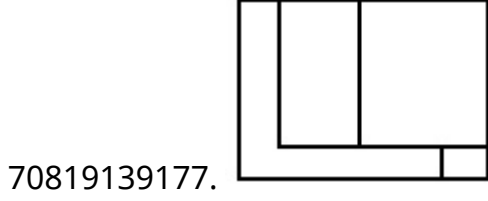
**Correct Marks : 4 Wrong Marks : 1**



ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દર્શ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું દર્શ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

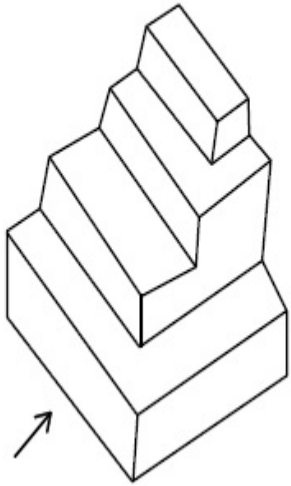


Question Number : 71 Question Id : 70819112022 Question Type : MCQ Option Shuffling : Yes

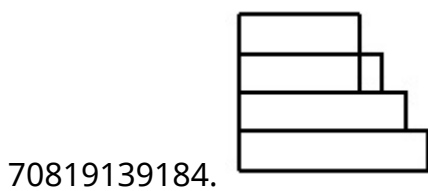
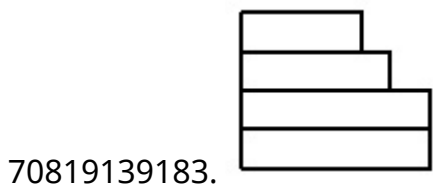
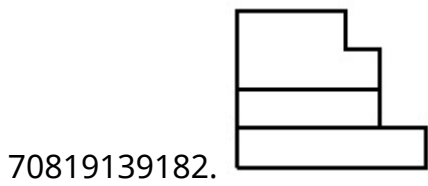
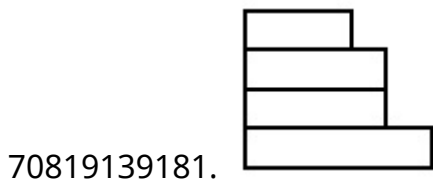
Is Question Mandatory : No

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 :**

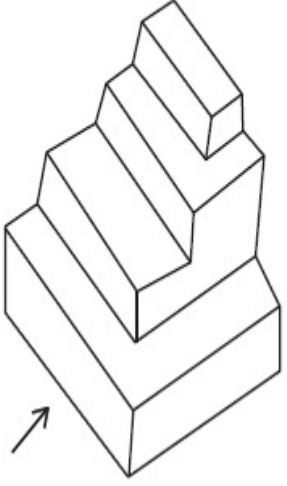


**Question Number : 71 Question Id : 70819112022 Question Type : MCQ Option Shuffling : Yes**

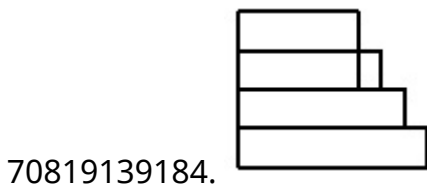
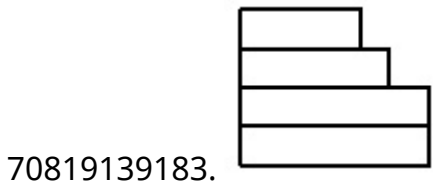
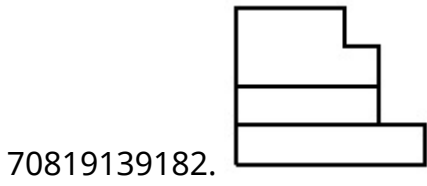
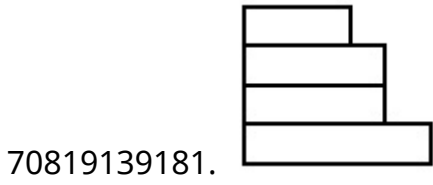
**Is Question Mandatory : No**

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

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

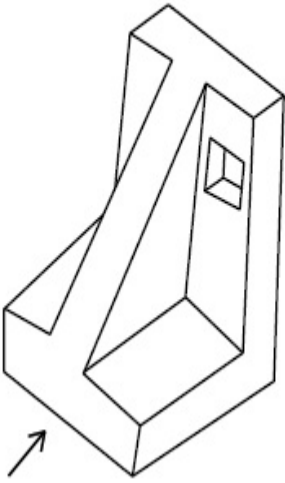


Question Number : 72 Question Id : 70819112023 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

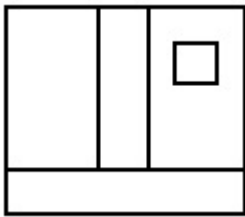
Correct Marks : 4 Wrong Marks : 1

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

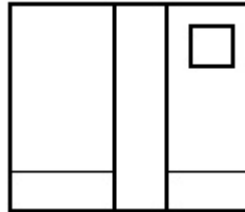


Options :

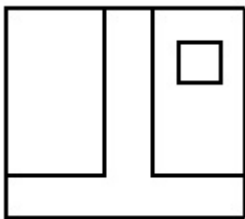
70819139185.



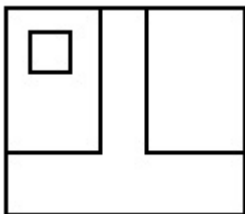
70819139186.



70819139187.



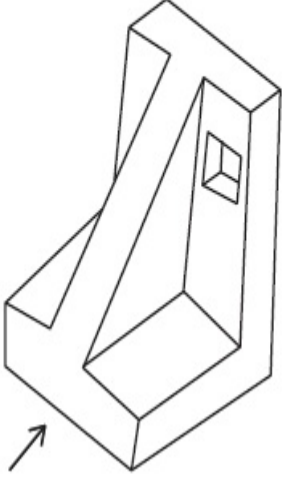
70819139188.



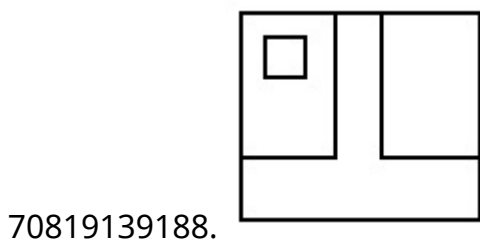
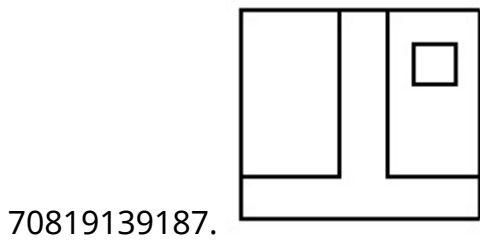
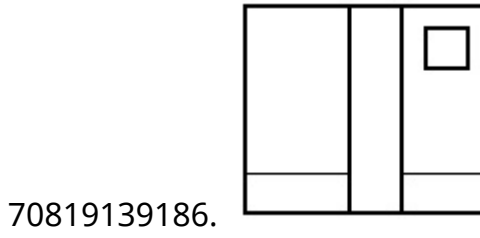
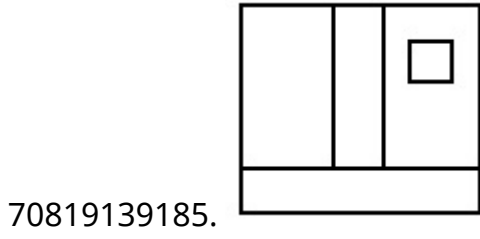
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

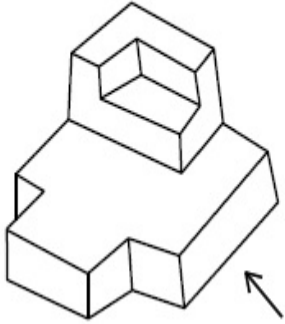


Question Number : 73 Question Id : 70819112024 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

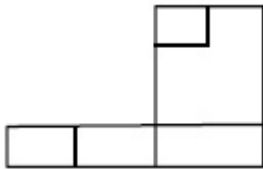
Correct Marks : 4 Wrong Marks : 1

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

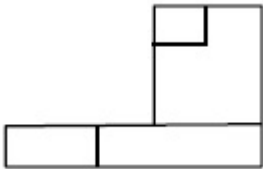


Options :

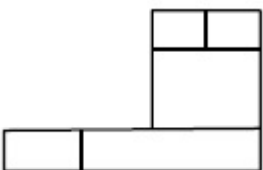
70819139189.



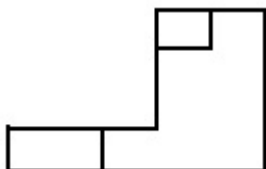
70819139190.



70819139191.



70819139192.

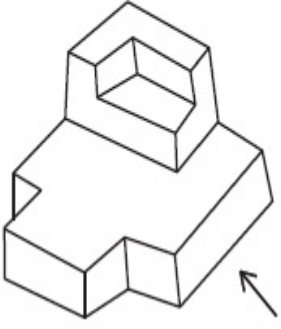


Question Number : 73 Question Id : 70819112024 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

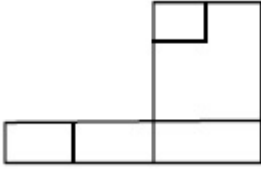
**Correct Marks : 4 Wrong Marks : 1**

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દર્શ્ય બતાવે છે. તીરની દિશામાં જોતાં મળતું સાચું દર્શ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.

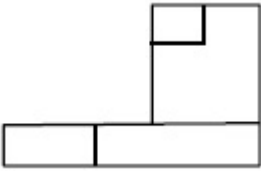


**Options :**

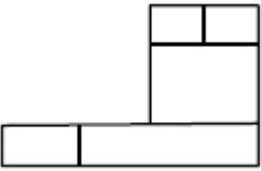
70819139189.



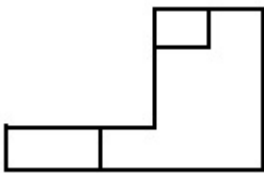
70819139190.



70819139191.



70819139192.

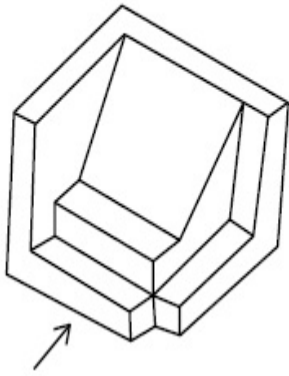


**Question Number : 74 Question Id : 70819112025 Question Type : MCQ Option Shuffling : Yes**

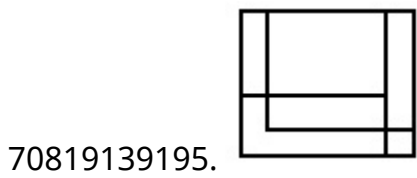
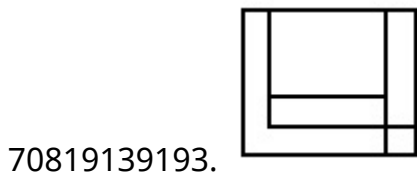
**Is Question Mandatory : No**

**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 :**



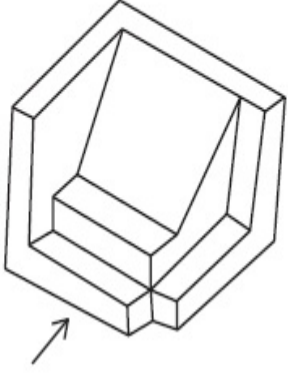
**Question Number : 74 Question Id : 70819112025 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

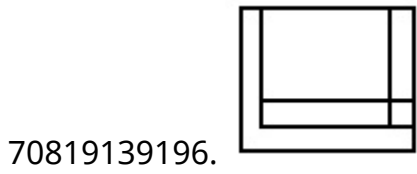
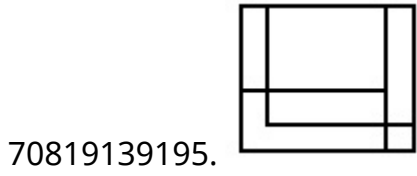
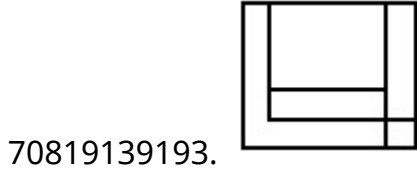
**Correct Marks : 4 Wrong Marks : 1**



ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

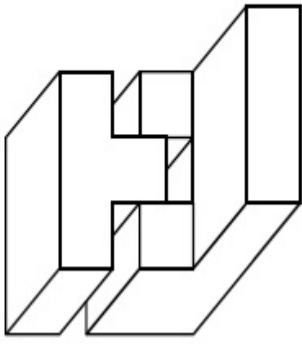


Question Number : 75 Question Id : 70819112026 Question Type : MCQ Option Shuffling : Yes

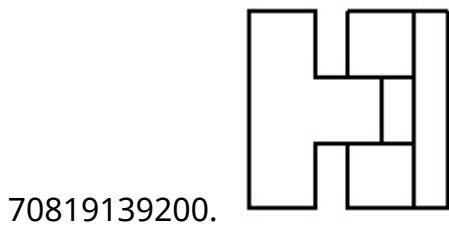
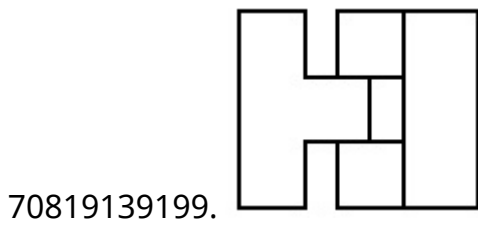
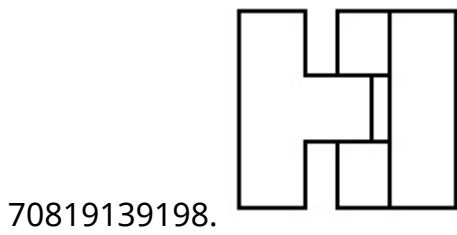
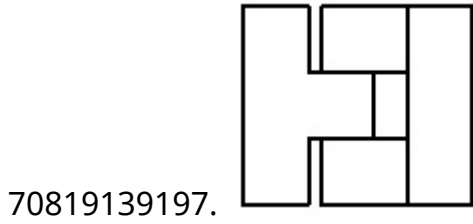
Is Question Mandatory : No

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 :**

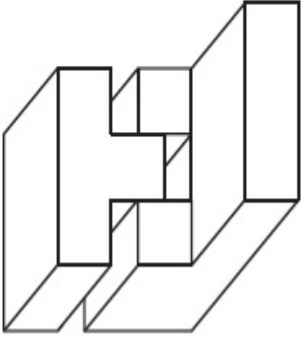


**Question Number : 75 Question Id : 70819112026 Question Type : MCQ Option Shuffling : Yes**

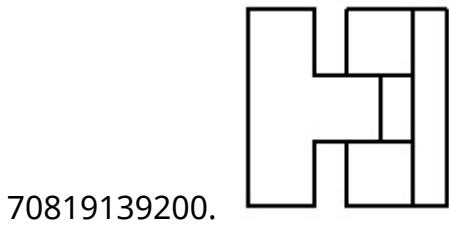
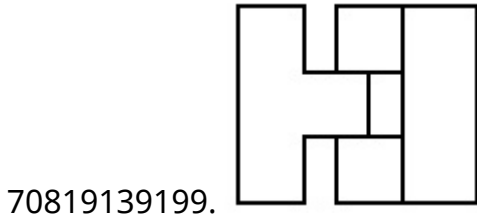
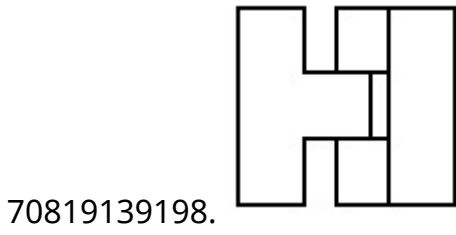
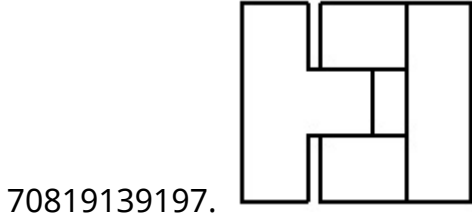
**Is Question Mandatory : No**

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

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું ઉપરી દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

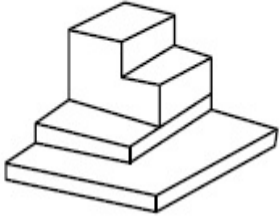


Question Number : 76 Question Id : 70819112027 Question Type : MCQ Option Shuffling : Yes

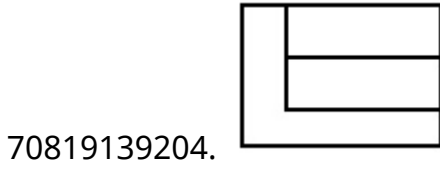
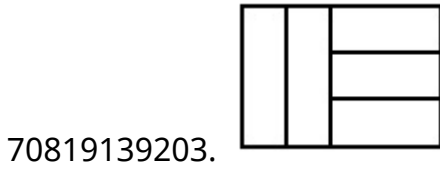
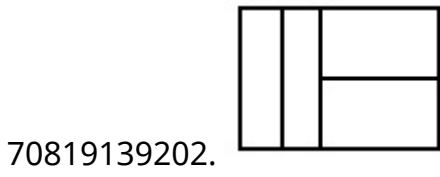
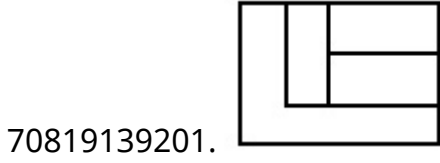
Is Question Mandatory : No

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 :

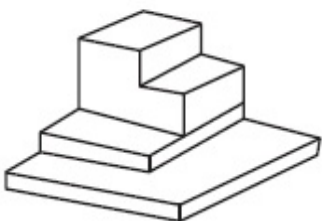


Question Number : 76 Question Id : 70819112027 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

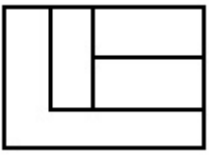
Correct Marks : 4 Wrong Marks : 1

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દૃશ્ય બતાવે છે. જવાબ-આકૃતિઓમાંથી સાચું ઉપરી દૃશ્ય નક્કી કરો.



Options :

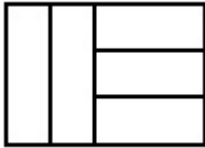
70819139201.



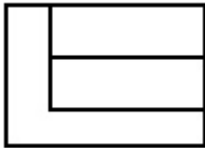
70819139202.



70819139203.



70819139204.

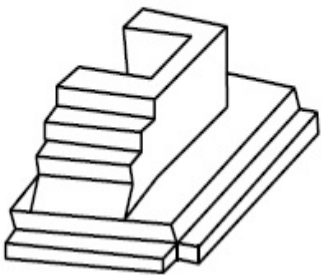


**Question Number : 77 Question Id : 70819112028 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

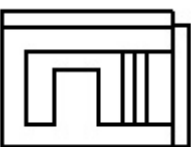
**Correct Marks : 4 Wrong Marks : 1**

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

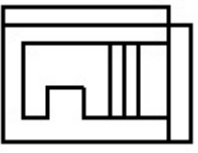


**Options :**

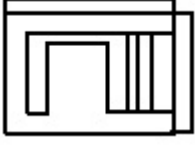
70819139205.



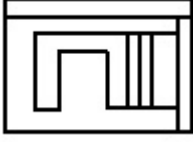
70819139206.



70819139207.



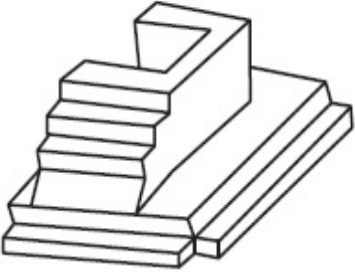
70819139208.



**Question Number : 77 Question Id : 70819112028 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

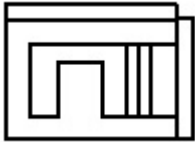
**Correct Marks : 4 Wrong Marks : 1**

ત્રિ-પરિમાણી આકૃતિ એક પદાર્થનું દર્શ્ય બતાવે છે. જવાબ-આકૃતિઓમાંથી સાચું ઉપરી દર્શ્ય નક્કી કરો.

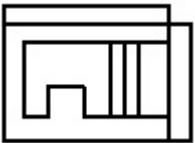


**Options :**

70819139205.



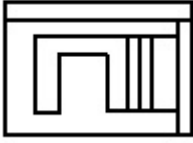
70819139206.



70819139207.



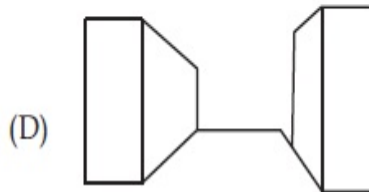
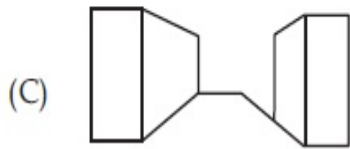
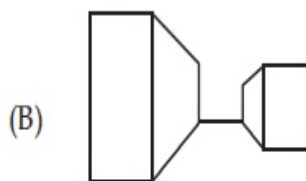
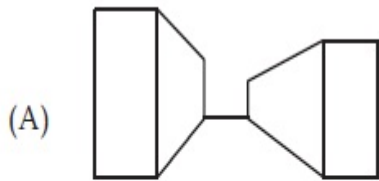
70819139208.



**Question Number : 78 Question Id : 70819112029 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 :**

70819139209. (A) and (B)

70819139210. (B) and (C)

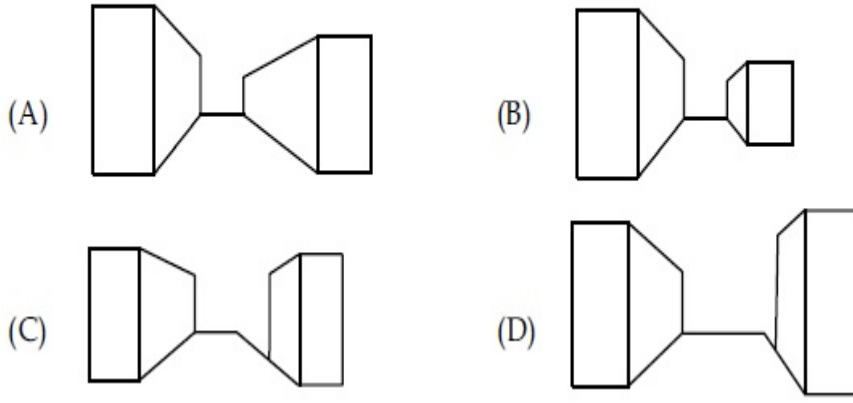
70819139211. (C) and (D)

70819139212. (D) and (A)

**Question Number : 78 Question Id : 70819112029 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

ઓછો દશ્ય તણાવ (visual tension) હોય તેવા મકાન સંયોજન (building compositions) જવાબ આકૃતિમાંથી નક્કી કરો.



**Options :**

70819139209. (A) and (B)

70819139210. (B) and (C)

70819139211. (C) and (D)

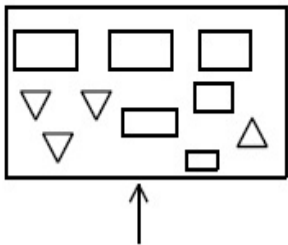
70819139212. (D) and (A)

**Question Number : 79 Question Id : 70819112030 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

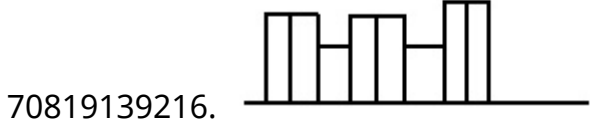
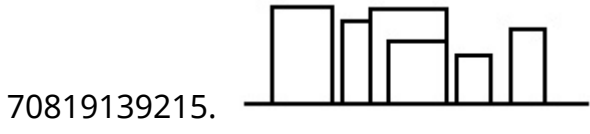
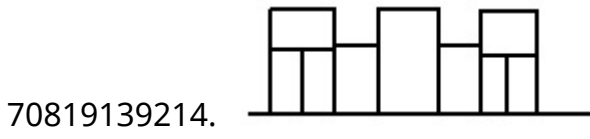
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



**Options :**





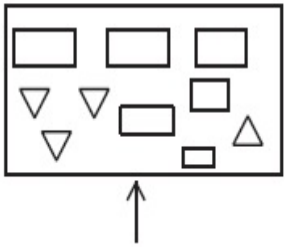


**Question Number : 79 Question Id : 70819112030 Question Type : MCQ Option Shuffling : Yes**

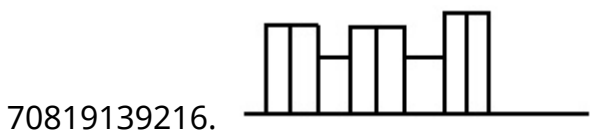
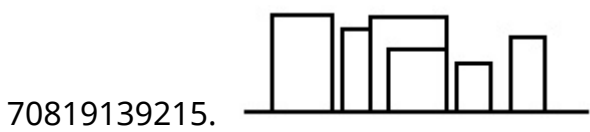
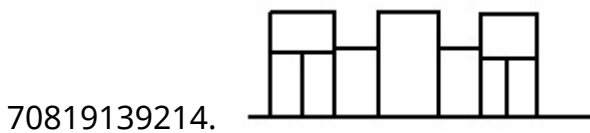
**Is Question Mandatory : No**

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

પ્રશ્ન આકૃતિ એક પદાર્થનું ઉપરી દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું ઉન્નત દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



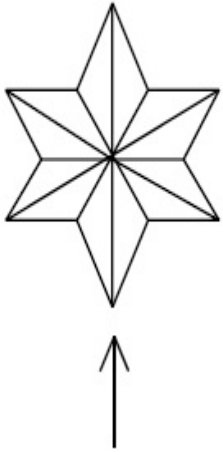
**Options :**



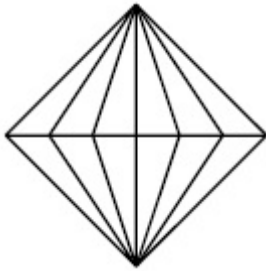
**Question Number : 80 Question Id : 70819112031 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

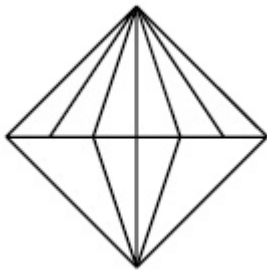
The problem figure shows the top view of an object. Identify the correct elevation amongst the answer figures looking in the direction of arrow.



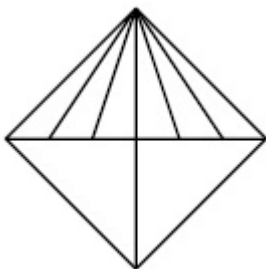
**Options :**



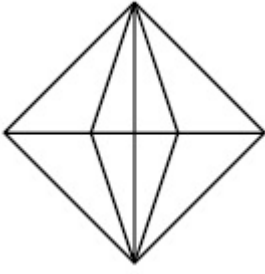
70819139217.



70819139218.



70819139219.



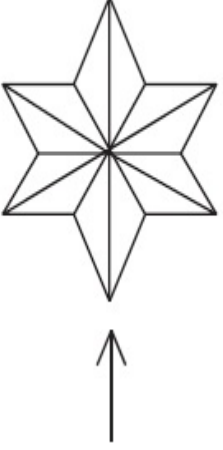
70819139220.

Question Number : 80 Question Id : 70819112031 Question Type : MCQ Option Shuffling : Yes

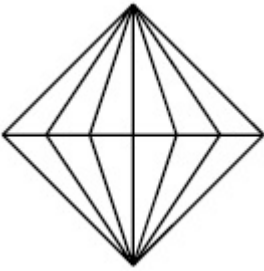
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

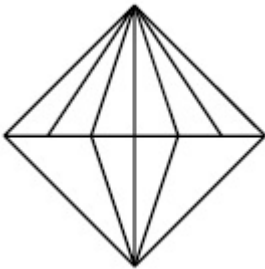
પ્રશ્ન આકૃતિ એક પદાર્થનું ઉપરી દૃશ્ય બતાવે છે. તીરની દિશામાં બેતાં મળતું સાચું ઉન્નત દૃશ્ય જવાબ આકૃતિઓમાંથી નક્કી કરો.



Options :

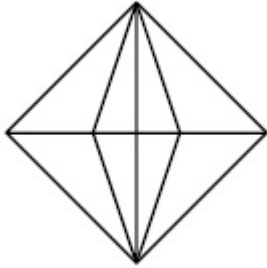
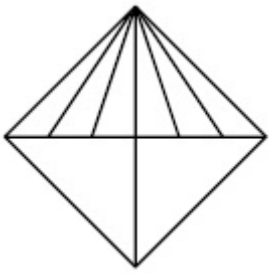


70819139217.



70819139218.

70819139219.



70819139220.

## Planning

<b>Section Id :</b>	708191412
<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>	708191692
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 81 Question Id : 70819112032 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 :**

70819139221. Automobile

70819139222. Clothing and Textile

70819139223. Printing

70819139224. Iron and Steel

**Question Number : 81 Question Id : 70819112032 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

પ્રથમ વિશ્વ યુદ્ધ પહેલા લંડનમાં આમાંથી કયા ઉદ્યોગોનું અસ્તિત્વ ન હતું ?

**Options :**

70819139221. ઓટોમોબાઈલ

70819139222. કપડા અને કાપડ ઉદ્યોગ

70819139223. છાપકામ

70819139224. લોખંડ અને સ્ટીલ

**Question Number : 82 Question Id : 70819112033 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 :**

70819139225. Nitrogen

70819139226. Greenhouse gas

70819139227. Ozone

70819139228. Suspended Particulate Matter (SPM)

**Question Number : 82 Question Id : 70819112033 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

કાર્બન ફૂટપ્રિન્ટમાં વાતાવરણમાં \_\_\_\_\_ નો જથ્થો મુક્ત થાય છે.

**Options :**

70819139225. નાઈટ્રોજન

70819139226. ગ્રીન હાઉસ વાયુ

70819139227. ઓઝોન

70819139228. નિલંબિત કણ દ્રવ્ય (સસ્પેન્ડેડ પાર્ટીક્યુલેટ દ્રવ્ય)

**Question Number : 83 Question Id : 70819112034 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 :**

70819139229.  $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819139230.  $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819139231.  $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819139232.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

**Question Number : 83 Question Id : 70819112034 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

- A. કોડાઈકિનાલ
- B. કુલ્લુ
- C. માઉન્ટ આબુ
- D. પંચગીની
- E. પહેલગામ

ભારતમાં ઉપરનાં હવા ખાવાનાં સ્થળોને દક્ષિણ થી ઉત્તર તરફ સાચી શ્રેણીમાં બેડો.  
નીચે આપેલા વિકલ્પોમાંથી સાચો જવાબ પસંદ કરો.

**Options :**

70819139229.  $E \rightarrow D \rightarrow B \rightarrow A \rightarrow C$

70819139230.  $E \rightarrow B \rightarrow C \rightarrow D \rightarrow A$

70819139231.  $C \rightarrow A \rightarrow B \rightarrow D \rightarrow E$

70819139232.  $A \rightarrow D \rightarrow C \rightarrow B \rightarrow E$

**Question Number : 84 Question Id : 70819112035 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 :**

70819139233. Mo HUA

70819139234. NITI Aayog

70819139235. NIUA

70819139236. PFI

**Question Number : 84 Question Id : 70819112035 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ભારત દેશમાં યોજના આયોગને નીચેનાં દ્વારા બદલી કરવામાં આવેલ છે તે \_\_\_\_\_.

**Options :**

70819139233. Mo HUA

70819139234. નીતિ આયોગ

70819139235. NIUA

70819139236. PFI

**Question Number : 85 Question Id : 70819112036 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 :**



70819139237. 2005

70819139238. 2007

70819139239. 2009

70819139240. 2011

**Question Number : 85 Question Id : 70819112036 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ભારતમાં વિશેષ આર્થિક ઝોન કાયદો ક્યારે લાગુ કરાયો હતો ?

**Options :**

70819139237. 2005

70819139238. 2007

70819139239. 2009

70819139240. 2011

**Question Number : 86 Question Id : 70819112037 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 :**

70819139241. National Horticulture Association of India.

70819139242. National Heritage Authority of India.

70819139243. National Hydroelectric Power Authority of India.

70819139244. National Highway Authority of India.

**Question Number : 86 Question Id : 70819112037 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

NHAI નું સંપૂર્ણ સ્વરૂપ શું છે ? સાચો જવાબ પસંદ કરો.

**Options :**

70819139241. નેશનલ હોર્ટીકલ્ચર એસોસિયેશન ઓફ ઈન્ડિયા

70819139242. નેશનલ હેરિટેજ ઓથોરિટી ઓફ ઈન્ડિયા

70819139243. નેશનલ હાઈડ્રો ઇલેક્ટ્રીક પાવર ઓથોરિટી ઓફ ઈન્ડિયા

70819139244. નેશનલ હાઈવે ઓથોરિટી ઓફ ઈન્ડિયા

**Question Number : 87 Question Id : 70819112038 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 :**

70819139245. 15

70819139246. 16

70819139247. 17

70819139248. 18

**Question Number : 87 Question Id : 70819112038 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

યુનાઈટેડ રાષ્ટ્રો દ્વારા કેટલા ટકાઉ વિકાસ લક્ષ્યો અપનાવવામાં આવ્યા છે ?

**Options :**

70819139245. 15

70819139246. 16

70819139247. 17

70819139248. 18

**Question Number : 88 Question Id : 70819112039 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 :**

70819139249. 1947

70819139250. 1948

70819139251. 1950

70819139252. 1949

**Question Number : 88 Question Id : 70819112039 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

કયા વર્ષમાં ભારત સરકારની પ્રથમ ઔદ્યોગિક નીતિની જાહેરાત કરવામાં આવી હતી ?

**Options :**

70819139249. 1947

70819139250. 1948

70819139251. 1950

70819139252. 1949

**Question Number : 89 Question Id : 70819112040 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 :**

70819139253. superblocks

70819139254. radial pattern

70819139255. high rise development

70819139256. waterbased transport

**Question Number : 89 Question Id : 70819112040 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

સ્પેનમાં બાર્સિલોનાં શહેરનું આયોજન તેના માટે જાણીતું છે તે \_\_\_\_\_.

**Options :**

70819139253. સુપર બ્લોક

70819139254. રેડીયલ પેટર્ન

70819139255. હાઈ રાઈઝ વિકાસ (High rise development)

70819139256. પાણી આધારિત પરિવહન

**Question Number : 90 Question Id : 70819112041 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 :**

70819139257. Durgapur

70819139258. Vishakhapatnam

70819139259. Bhubaneshwar

70819139260. Bhilai

**Question Number : 90 Question Id : 70819112041 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

નીચેના માંથી કયું એક ઔદ્યોગિક શહેર નથી ?

**Options :**

70819139257. દૂર્ગાપૂર

70819139258. વિશાખાપટ્ટનમ

70819139259. ભૂવનેશ્વર

70819139260. બિલાઈ

**Question Number : 91 Question Id : 70819112042 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 :**

70819139261. AMRUT

70819139262. Make in India

70819139263. HRIDAY

70819139264. UDAY

**Question Number : 91 Question Id : 70819112042 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ભારત સરકારની નીચેનામાંથી કઈ યોજનાઓ/કાર્યક્રમ હેરિટેજ શહેરો સાથે જોડાયેલી છે \_\_\_\_\_.

**Options :**

70819139261. AMRUT

70819139262. Make in India

70819139263. HRIDAY

70819139264. UDAY

**Question Number : 92 Question Id : 70819112043 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 :**

70819139265. Tamil Nadu

70819139266. Karnataka

70819139267. Andhra Pradesh

70819139268. Kerala

**Question Number : 92 Question Id : 70819112043 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

નીચેના આપેલામાંથી કયા એક દક્ષિણભારતનાં રાજ્યમાં તેના કુલ ભૂગર્ભ જળ ક્ષમતામાંથી સૌથી વધુ ભૂગર્ભ જળ વપરાશ (ટકાવારીમાં) થાય છે ?

**Options :**

70819139265. તામિલનાડુ

70819139266. કર્ણાટક

70819139267. આંધ્રપ્રદેશ

70819139268. કેરલ

**Question Number : 93 Question Id : 70819112044 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

Survey of India was established in :

**Options :**

70819139269. 1886

70819139270. 1876

70819139271. 1866

70819139272. 1896

**Question Number : 93 Question Id : 70819112044 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ભારતમાં સર્વે (Survey) ની સ્થાપના કરવામાં આવી હતી તે \_\_\_\_\_.

**Options :**

70819139269. 1886

70819139270. 1876

70819139271. 1866



70819139272. 1896

**Question Number : 94 Question Id : 70819112045 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 :**

70819139273. Lok Sabha

70819139274. State Legislative Assembly

70819139275. Cabinets

70819139276. Panchayati Raj bodies

**Question Number : 94 Question Id : 70819112045 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

1992 ના 73<sup>rd</sup> સુધારા અધિનિયમ મુજબ, નીચેના માંથી કોઈ એકમાં મહિલાઓ માટે એક તૃતિયાંશ (1/3) આરક્ષણ આપવામાં આવ્યું હતું તે શોધો.

**Options :**

70819139273. લોકસભા

70819139274. રાજ્ય વિધાનસભા

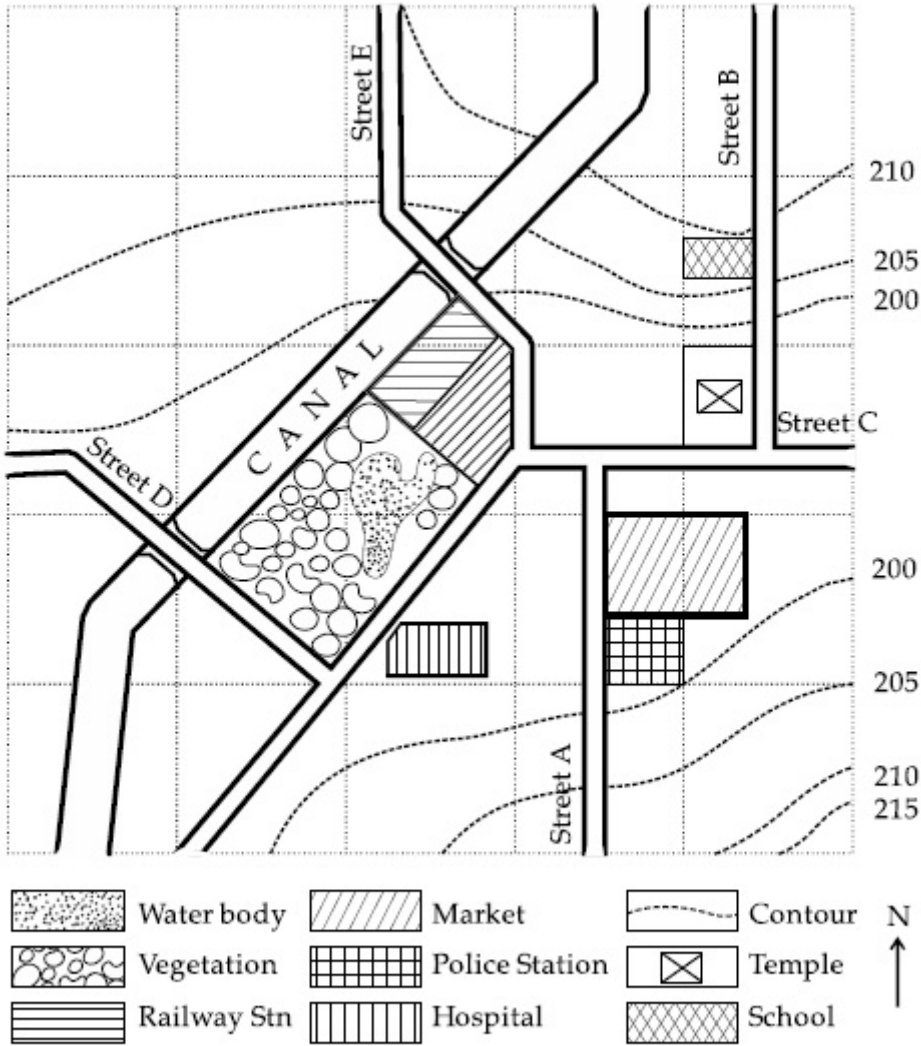
70819139275. કેબિનેટ

Question Number : 95 Question Id : 70819112046 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 :

70819139277. Slope of land on which school is located is flatter than the slope of land on which hospital is located.

70819139278. Slope of land on which police station is located is steeper than the slope of land on which school is located.

70819139279.

Slope of land on which school is located is steeper than the slope of land on which temple is located.

70819139280.

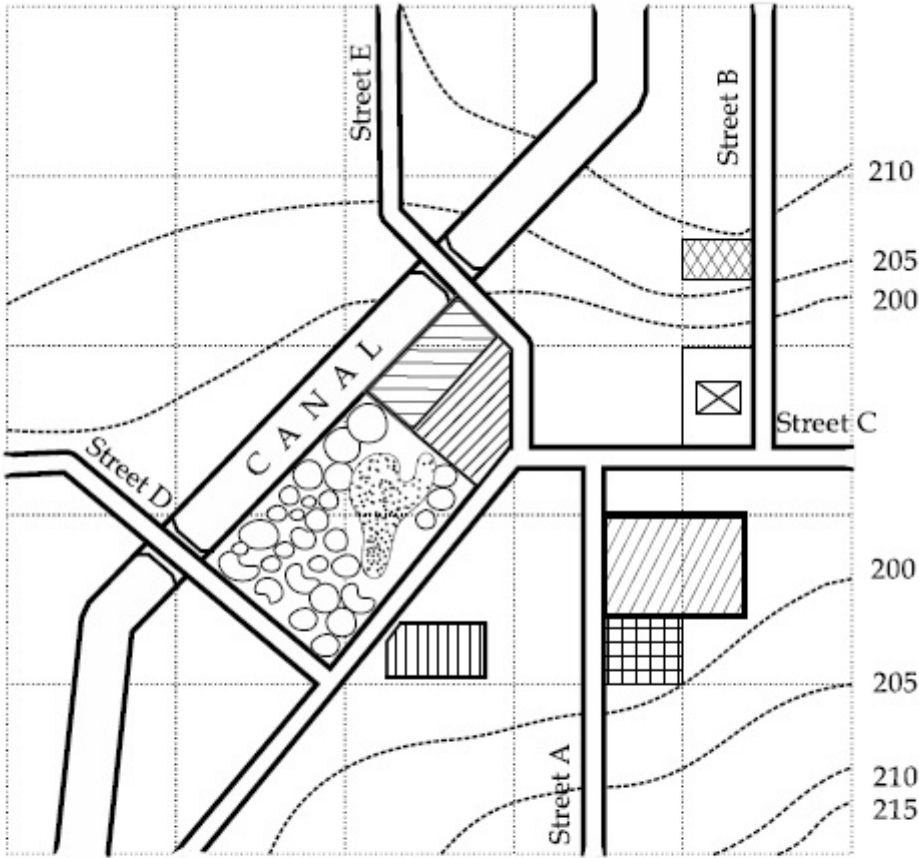
Slope of land on which school is located is the same as the slope of land on which temple is located.

Question Number : 95 Question Id : 70819112046 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Map reading



ડાયાગ્રામનાં સંદર્ભમાં, સાચું વિધાન પસંદ કરો.

Options :

70819139277. જમીનનો ઢાળ કે જેના પર હોસ્પિટલ સ્થિત છે તેના કરતાં જમીનનો ઢાળ કે જેના પર શાળા આવેલી છે તે સપાટ છે.

70819139278. જમીનનો ઢાળ કે જેના પર શાળા સ્થિત છે તેના કરતાં જમીનનો ઢાળ કે જેના પર પોલિસ સ્ટેશન આવેલ છે. તે વધુ ઢોળાવ વાળો છે.

70819139279. જમીનનો ઢાળ કે જેના પર મંદિર સ્થિત છે તેના કરતાં જમીનનો ઢાળ કે જેના પર શાળા આવેલ છે તે વધુ ઢોળાવ વાળો છે.

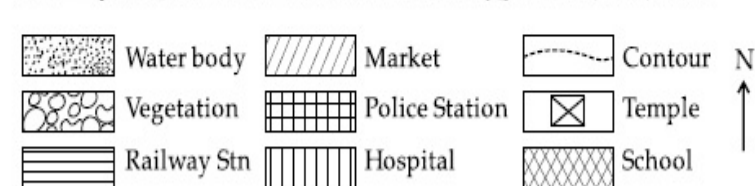
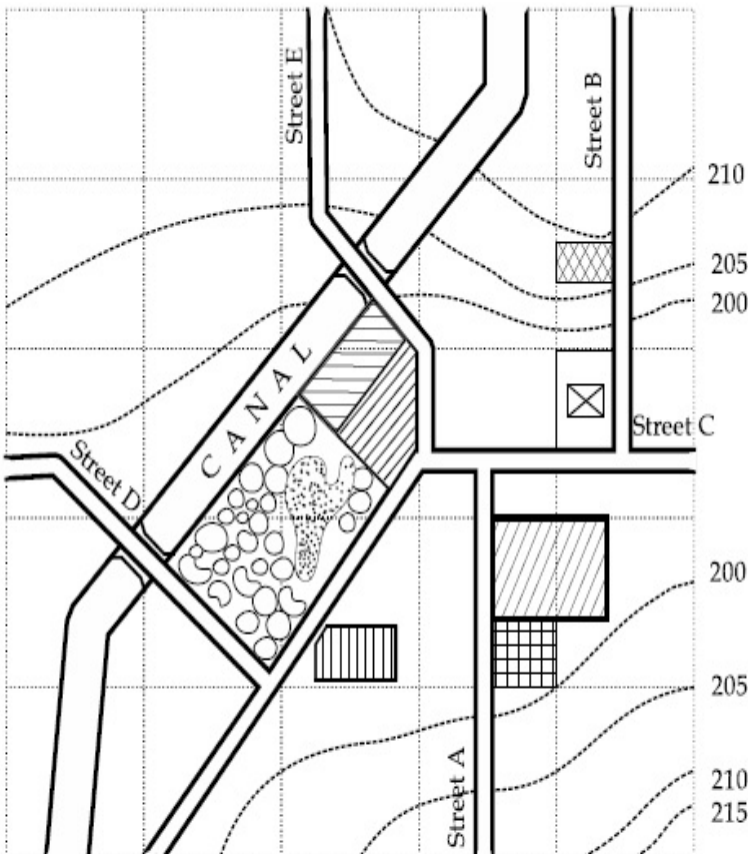
70819139280. જમીનનો ઢાળ કે જેના પર મંદિર સ્થિત છે અને જમીનનો ઢાળ કે જેના પર શાળા આવેલી છે તે સમાન છે.

Question Number : 96 Question Id : 70819112047 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 :**

70819139281. North

70819139282. North - East

70819139283. South - West

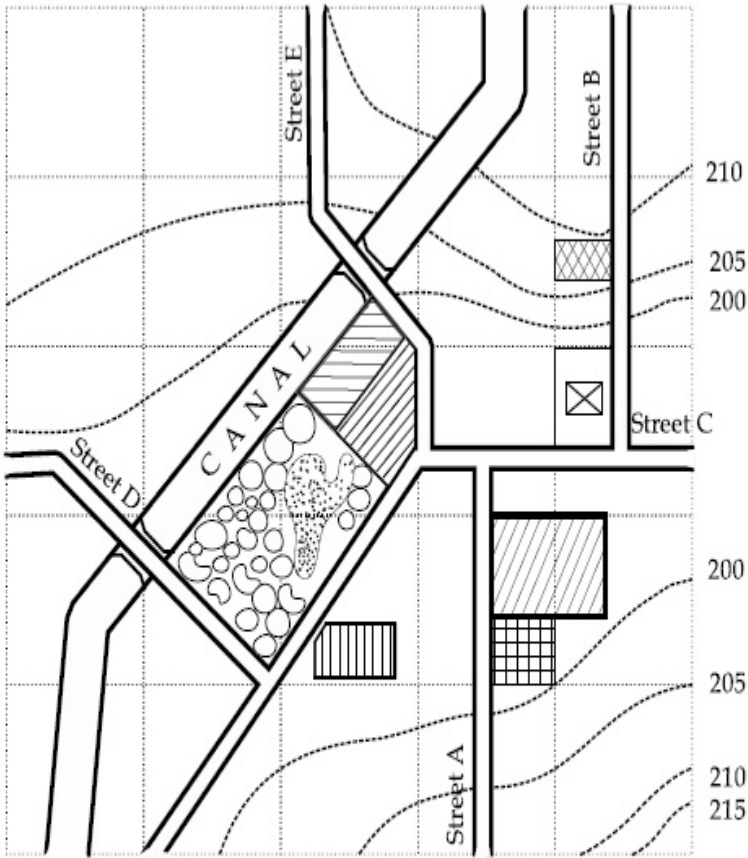
70819139284. East

**Question Number : 96 Question Id : 70819112047 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

Map reading



- |             |                |         |
|-------------|----------------|---------|
| Water body  | Market         | Contour |
| Vegetation  | Police Station | Temple  |
| Railway Stn | Hospital       | School  |

आपेल ढायाआभमां, अेक व्यक्तिले रेल्वे स्टेशन थी मंदिर सइर करवा माटे तेने \_\_\_\_\_ दिशामां स्थणांतर करवुं पडे.

**Options :**

70819139281. उत्तर

70819139282. उत्तर-पूर्व

70819139283. दक्षिण-पश्चिम

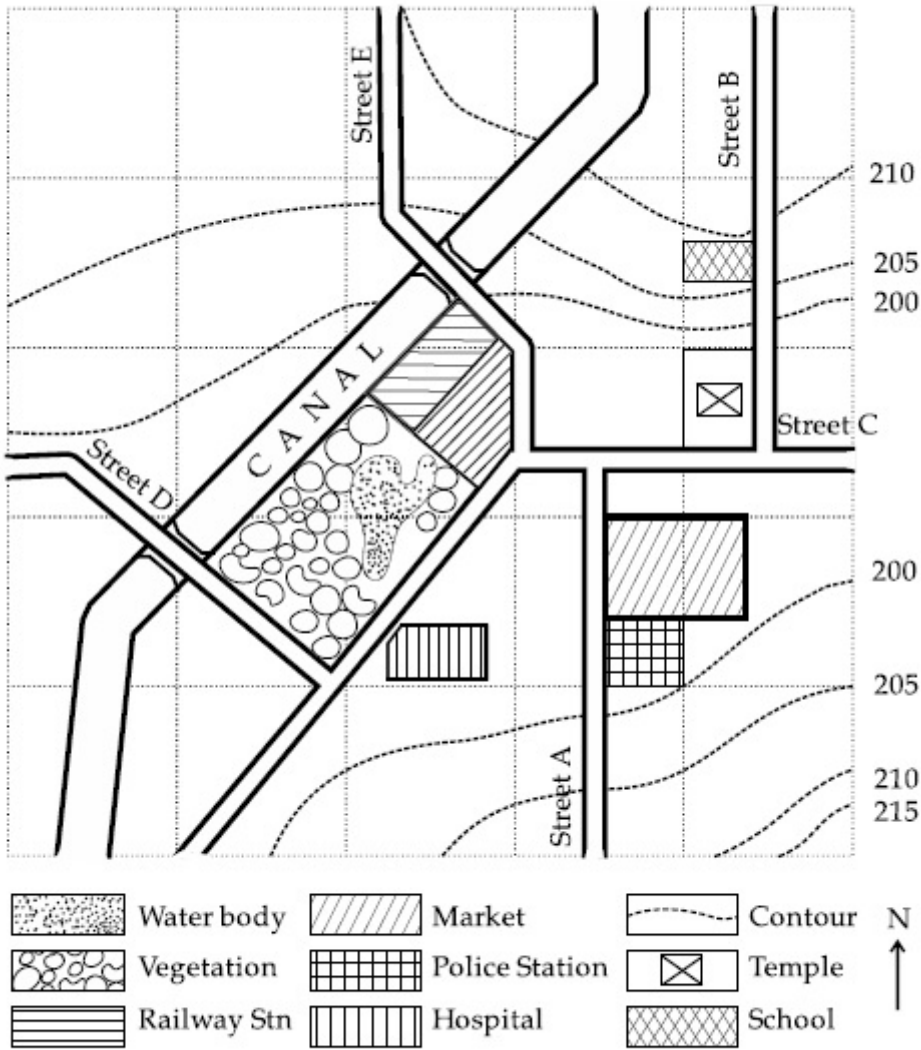
70819139284. पूर्व

**Question Number : 97 Question Id : 70819112048 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 :**

70819139285. 5 m higher than police station.

70819139286. 5 m higher than school.

70819139287. same level as police station.

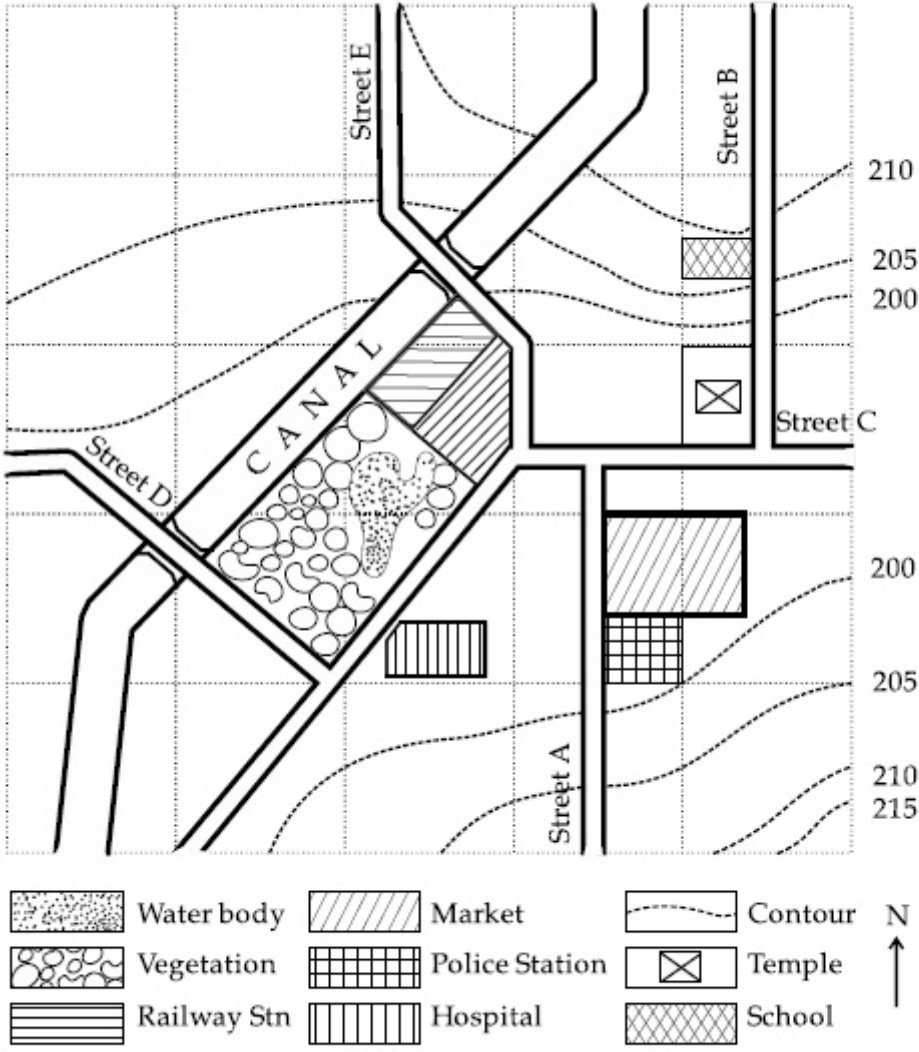
70819139288. same level as school.

Question Number : 97 Question Id : 70819112048 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

## Map reading



આપેલ ડાયાગ્રામમાં, જળ બોડી (water body) એક સ્તર પર સ્થિત છે તે \_\_\_\_\_.

### Options :

70819139285. પોલિસ સ્ટેશન કરતાં 5 m ઊંચું

70819139286. શાળા કરતાં 5 m ઊંચું

70819139287. પોલિસ સ્ટેશન જેટલા જ સ્તર પર

70819139288. શાળા જેટલા જ સ્તર પર

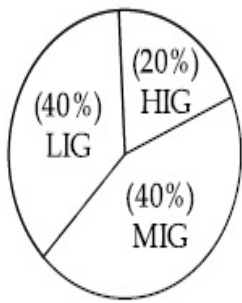
Question Number : 98 Question Id : 70819112049 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

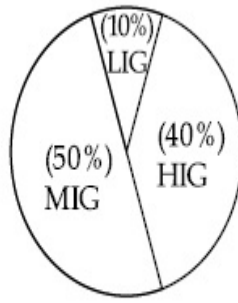


**Correct Marks : 4 Wrong Marks : 1**

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 :**

70819139289. 4 : 1

70819139290. 1 : 5

70819139291. 6 : 1

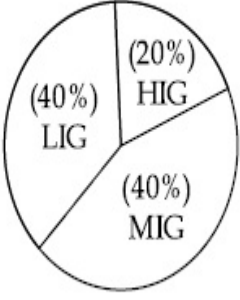
70819139292. 1 : 4

**Question Number : 98 Question Id : 70819112049 Question Type : MCQ Option Shuffling : Yes**

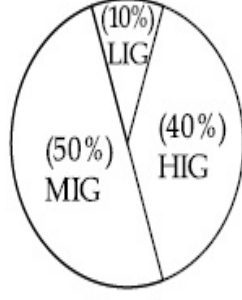
**Is Question Mandatory : No**

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

પરિવારોની તેમની ઘરગથ્થુ આવકનાં સંદર્ભમાં, નીચે એક પાઈ-ચાર્ટ (પાઈ આલેખ) માં વિદ્યાર્થીઓની ઉચ્ચતર માધ્યમિક અને કોલેજ શિક્ષણમાં નોંધણીનું વિતરણ દર્શાવેલ છે.



ઉચ્ચતર માધ્યમિક શિક્ષણ



કોલેજ શિક્ષણ

ઉચ્ચતર માધ્યમિક થી કોલેજમાં અભ્યાસ કરતાં LIG ઘરગથ્થુ શ્રેણીમાંના વિદ્યાર્થીઓની સંખ્યાનો ગુણોત્તર શોધો.

**Options :**

70819139289. 4 : 1

70819139290. 1 : 5

70819139291. 6 : 1

70819139292. 1 : 4

**Question Number : 99 Question Id : 70819112050 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 :**

70819139293. The density of population in urban area is 1000 persons/sq.km.

70819139294. The density of population in urban area is 849 persons/sq.km.

70819139295. The density of population in urban area is 4290 persons/sq.km.

70819139296. The density of population in urban area is 7800 persons/sq.km.

**Question Number : 99 Question Id : 70819112050 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

પૃથ્વીનું ક્ષેત્રફળ 510 બિલિયન  $\text{km}^2$  છે. કુલ ક્ષેત્રફળનો ત્રીસ ટકા ભૂમિ વિસ્તાર છે. કુલ ભૂમિ વિસ્તારનાં ત્રણ ટકા શહેરી જમીન છે. વિશ્વની વસ્તી 7.8 બિલિયન છે અને પંચાવન ટકા એ શહેરી વસ્તી છે. નજીકનો સાચો જવાબ શોધો.

**Options :**

70819139293. શહેરી વિસ્તારમાં વસ્તીની ગીચતા 1000 વ્યક્તિઓ/sq.km. છે.

70819139294. શહેરી વિસ્તારમાં વસ્તીની ગીચતા 849 વ્યક્તિઓ/sq.km. છે.

70819139295. શહેરી વિસ્તારમાં વસ્તીની ગીચતા 4290 વ્યક્તિઓ/sq.km. છે.

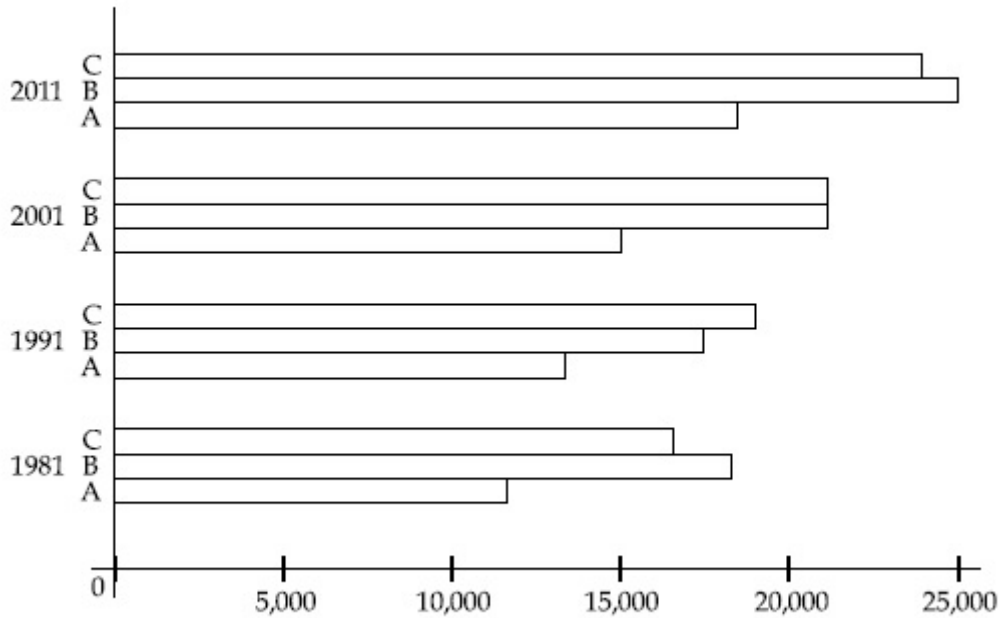
70819139296. શહેરી વિસ્તારમાં વસ્તીની ગીચતા 7800 વ્યક્તિઓ/sq.km. છે.

**Question Number : 100 Question Id : 70819112051 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 :**

70819139297. City A shows the increase in population from 1981 to 2011 and city C does not show the increase likewise.

70819139298. City B shows a continuous decline in population from 1981-2011 whereas city A shows an increase.

70819139299. 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.

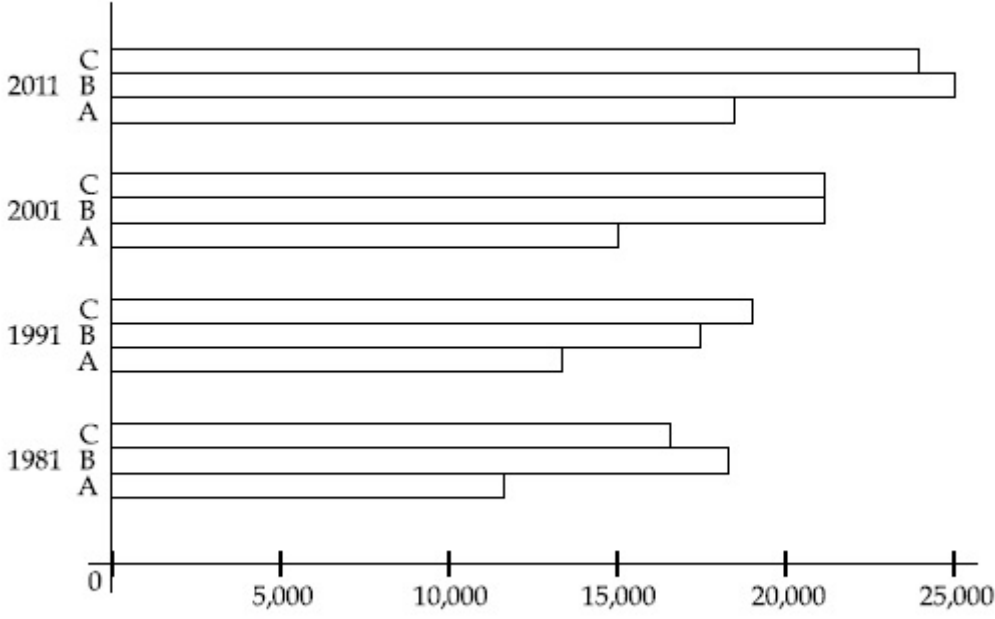
70819139300. City C shows continuous decline in population in various decades whereas city B shows increase.

**Question Number : 100 Question Id : 70819112051 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

1981 થી 2011 માં શહેર A, B અને C ની જનસંખ્યા :



સાચો જવાબ પસંદ કરો.

**Options :**

70819139297. શહેર A એ 1981 થી 2011 દરમિયાન વસ્તીમાં વધારો પ્રદર્શિત કરે છે અને શહેર C તેવી જ રીતે પ્રદર્શિત કરતો નથી.

70819139298. શહેર B એ 1981-2011 દરમિયાન વસ્તીમાં સતત ઘટાડો પ્રદર્શિત કરે છે જ્યારે શહેર A વધારો પ્રદર્શિત કરે છે.

70819139299. શહેર A માં વસ્તી 1981 થી 2001 દરમિયાન દરેક દાયકામાં વધારો પ્રદર્શિત કરે છે જ્યારે શહેર B 1981 થી 1991 દરમિયાન ઘટાડો અને પછી 1991 થી 2001 દરમિયાન વધારો દર્શાવે છે.

70819139300. શહેર C વિવિધ દાયકામાં વસ્તીમાં સતત ઘટાડો જ્યારે શહેર B વધારો પ્રદર્શિત કરે છે.

**Question Number : 101 Question Id : 70819112052 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 :**

70819139301.  $26 \text{ kmhr}^{-1}$

70819139302.  $21.5 \text{ kmhr}^{-1}$

70819139303.  $30 \text{ kmhr}^{-1}$

70819139304.  $28.5 \text{ kmhr}^{-1}$

**Question Number : 101 Question Id : 70819112052 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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



એક સર્વેમાં 100 વાહનોની ગતિ બેવા મળી હતી. નીચેનું કોષ્ટક વાહનોની ગતિનું વિતરણ અને તેને અનુરૂપ વાહનોની સંખ્યા દર્શાવે છે.

વાહનોની ગતિ ( $\text{kmhr}^{-1}$ )	વાહનોની સંખ્યા
20	6
25	20
28	24
29	28
33	15
38	4
40	2
45	1

તો વાહનોની સરેરાશ ગતિ શોધો.

**Options :**

70819139301.  $26 \text{ kmhr}^{-1}$

70819139302.  $21.5 \text{ kmhr}^{-1}$

70819139303.  $30 \text{ kmhr}^{-1}$

70819139304.  $28.5 \text{ kmhr}^{-1}$

**Question Number : 102 Question Id : 70819112053 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 :**

70819139305. As a charity by privileged people.

70819139306. As a way to reduce crime.

70819139307. As a way to sensitize travellers about poor living conditions in the society.

70819139308. As an adventure activity.

**Question Number : 102 Question Id : 70819112053 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 :**

70819139305. As a charity by privileged people.

70819139306. As a way to reduce crime.

70819139307. As a way to sensitize travellers about poor living conditions in the society.

70819139308. As an adventure activity.

**Question Number : 103 Question Id : 70819112054 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 :**

70819139309. Learning

70819139310. Staring

70819139311. Peeping

70819139312. Gloating

**Question Number : 103 Question Id : 70819112054 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 :**

70819139309. Learning

70819139310. Staring

70819139311. Peeping

70819139312. Gloating

**Question Number : 104 Question Id : 70819112055 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 :**

70819139313. Both A and R are true and R is the correct explanation of A

70819139314. Both A and R are true but R is NOT the correct explanation of A

70819139315. A is true but R is false

70819139316. A is false but R is true

**Question Number : 104 Question Id : 70819112055 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

નીચે બે વિધાનો આપેલા છે : એક ને કથન A વડે અને બીજાને કારણ R વડે લેબલ કરેલ છે.

કથન A : છેલ્લા બે દાયકામાં સામૂહિક ધ્યાનનો ગાળો ઘટી રહ્યો છે.

કારણ R : ઝડપી ઉપલબ્ધતા અને વિશાળ માત્રામાં માહિતી મેળવવાની ઝડપી પહોંચ એક વિષયમાં ખૂબ જ ઝડપથી રસ ગુમાવ્યા તરફ દોરી જાય છે.

ઉપરનાં વિધાનોનાં સંદર્ભમાં, નીચે આપેલા વિકલ્પોમાંથી સૌથી વધુ બંધબેસતો જવાબ પસંદ કરો.

**Options :**

70819139313. બંને, A અને R સાચાં છે અને R એ A ની સાચી સમજૂતી છે.

70819139314. બંને, A અને R સાચાં છે અને R એ A ની સાચી સમજૂતી નથી.

70819139315. A સાચું છે પણ R ખોટું છે.

70819139316. A ખોટું છે પણ R સાચું છે.

**Question Number : 105 Question Id : 70819112056 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 :**

70819139317. Both A and R are true and R is the correct explanation of A

70819139318. Both A and R are true but R is NOT the correct explanation of A

70819139319. A is true but R is false

70819139320. A is false but R is true

Question Number : 105 Question Id : 70819112056 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

નીચે બે વિધાનો આપેલા છે : એક ને કથન A વડે અને બીજાને કારણ R વડે લેબલ કરેલ છે.

કથન A : પાછલા બે દાયકામાં ભારતમાં છૂટાછેડાનો દર વધ્યો છે.

કારણ R : પરિણીત દંપતીની વધતી સંખ્યા તેઓ બાળકો ઈચ્છતા નથી.

ઉપરનાં વિધાનોનાં સંદર્ભમાં, નીચે આપેલા વિકલ્પોમાંથી સૌથી વધુ બંધબેસતો જવાબ પસંદ કરો.

Options :

70819139317. બંને, A અને R સાચાં છે અને R એ A ની સાચી સમજૂતી છે.

70819139318. બંને, A અને R સાચાં છે અને R એ A ની સાચી સમજૂતી નથી.

70819139319. A સાચું છે પણ R ખોટું છે.

70819139320. A ખોટું છે પણ R સાચું છે.