

<b>Question Paper Name :</b>	B ARCH EK 23rd Feb 2021 Shift 2
<b>Subject Name :</b>	B ARCH EK
<b>Creation Date :</b>	2021-02-22 14:35:38
<b>Duration :</b>	180
<b>Number of Questions :</b>	82
<b>Total Marks :</b>	400
<b>Display Marks:</b>	Yes

## B ARCH EK

<b>Group Number :</b>	1
<b>Group Id :</b>	708191126
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	400
<b>Is this Group for Examiner? :</b>	No

## Mathematics Section A

<b>Section Id :</b>	708191393
<b>Section Number :</b>	1
<b>Section type :</b>	Online

**Mandatory or Optional :** Mandatory  
**Number of Questions :** 20  
**Number of Questions to be attempted :** 20  
**Section Marks :** 80  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 708191673  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 70819111578 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 :**

70819137571.  $\frac{121}{3}$

70819137572.  $\frac{122}{3}$

70819137573.  $\frac{125}{3}$

70819137574.  $\frac{128}{3}$

**Question Number : 1 Question Id : 70819111578 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

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

$\int_{-4}^4 |9-x^2| dx$  ನ ಅವಿಭಾಜ್ಯ ಮೌಲ್ಯವು :

Options :

70819137571.  $\frac{121}{3}$

70819137572.  $\frac{122}{3}$

70819137573.  $\frac{125}{3}$

70819137574.  $\frac{128}{3}$

Question Number : 2 Question Id : 70819111579 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 :

70819137575.  $\frac{31}{13}$

70819137576.  $\frac{108}{13}$

70819137577.  $\frac{27}{2}$

70819137578.  $\frac{54}{7}$

Question Number : 2 Question Id : 70819111579 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಗುಣಾಂತರ ಶ್ರೇಣಿಯ ಅನಂತ ಸಂಖ್ಯೆಯ ಪದಗಳ ಮೊತ್ತ 3 ಮತ್ತು ಅದರ ಪದದ ವರ್ಗ  $\frac{9}{2}$  ಆಗಿದೆ. ಅದರ ಪದದ ಘನಗಳು :

Options :

70819137575.  $\frac{31}{13}$

70819137576.  $\frac{108}{13}$

70819137577.  $\frac{27}{2}$

70819137578.  $\frac{54}{7}$

Question Number : 3 Question Id : 70819111580 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 :

70819137579.  $P \Leftrightarrow P \vee q$

70819137580.  $(P \wedge q) \Leftrightarrow P$

70819137581.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819137582.  $(p \vee \sim p) \wedge (q \vee (\sim q))$

**Question Number : 3 Question Id : 70819111580 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

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

ಈ ಕೆಳಗಿನ ಬೂಲಿಯನ್ ಅಭಿವ್ಯಕ್ತಿ ಯಾವುದು ಟೌಟಾಲಜಿ (tautology) ಯಾಗಿದೆ ?

**Options :**

70819137579.  $P \Leftrightarrow P \vee q$

70819137580.  $(P \wedge q) \Leftrightarrow P$

70819137581.  $(P \wedge (\sim P \vee q)) \vee (\sim q)$

70819137582.  $(P \vee \sim P) \wedge (q \vee (\sim q))$

**Question Number : 4 Question Id : 70819111581 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 :**

70819137583. a, b and c are in Arithmetic Progression

70819137584. a, b and c are in Geometric Progression

70819137585. a, 2b and c are in Arithmetic Progression

70819137586. a, b and c satisfy  $2b^2 = ac$

Question Number : 4 Question Id : 70819111581 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಅವಕಾಶ  $|a| < 1, |b| < 1, |c| < 1$  ಮತ್ತು  $x = \sum_{n=0}^{\infty} a^n, y = \sum_{n=0}^{\infty} b^n, z = \sum_{n=0}^{\infty} c^n$ . ಒಂದು ವೇಳೆ  $\frac{1}{x}, \frac{1}{y}, \frac{1}{z}$

ಅಂಕಗಣಿತದ ಪ್ರಗತಿ ಆದರೆ :

Options :

70819137583. a, b ಮತ್ತು c ಸಮಾಂತರ ಶ್ರೇಣಿಯಲ್ಲಿವೆ (AP).

70819137584. a, b ಮತ್ತು c ಗಳು ಗುಣಾಂತರ ಶ್ರೇಣಿಯಲ್ಲಿವೆ (GP).

70819137585. a, 2b ಮತ್ತು c ಗಳು ಸಮಾಂತರ ಶ್ರೇಣಿಯಲ್ಲಿವೆ (AP).

70819137586. a, b ಮತ್ತು c  $2b^2 = ac$  ಗೆ ಸಂತುಷ್ಟವಾಗಿದೆ.

Question Number : 5 Question Id : 70819111582 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 :

70819137587.  $15e + 5$

70819137588.  $15e - 5$

70819137589.  $16e - 5$

70819137590.  $16e - 7$

**Question Number : 5 Question Id : 70819111582 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

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

$\sum_{n=1}^{\infty} \frac{2n^2 + 7n + 5}{n!}$  ಇದಕ್ಕೆ ಸಮವಾಗಿದೆ :

**Options :**

70819137587.  $15e + 5$

70819137588.  $15e - 5$

70819137589.  $16e - 5$

70819137590.  $16e - 7$

**Question Number : 6 Question Id : 70819111583 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 :**

70819137591. 5

70819137592. 3

70819137593. 7

70819137594. 1

Question Number : 6 Question Id : 70819111583 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಕನಿಷ್ಠ ಸಕಾರಾತ್ಮಕ ಅವಿಭಾಜ್ಯ ಬೆಲೆಯು  $\lambda$ ,  $10^{50} + (3 \times (4)^{52}) + \lambda$ , 9 ರಿಂದ ಭಾಗಿಸಬಹುದಾಗಿದೆ :

Options :

70819137591. 5

70819137592. 3

70819137593. 7

70819137594. 1

Question Number : 7 Question Id : 70819111584 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 :

70819137595. 455

70819137596. 421

70819137597. 435

70819137598. 441

Question Number : 7 Question Id : 70819111584 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಮೂರು ಸಮಾನಾಂತರ ಮತ್ತು ಏಕಸಮತಲ ರೇಖೆಗಳಲ್ಲಿ 4, 5 ಮತ್ತು 6 ಬಿಂದುಗಳಿವೆ. ನಾಲ್ಕು ಅಥವಾ ಹೆಚ್ಚಿನ ಬಿಂದುಗಳ ಅವರ್ತಕವಿಲ್ಲದಿದ್ದರೆ ಮತ್ತು ವಿಭಿನ್ನ ರೇಖೆಗಳಲ್ಲಿ ಮೂರು ಬಿಂದುಗಳ ಯಾವುದೇ ಕೋಲಿನಿಯರ್ (ಸಮಾನ ಪಾಯಿಂಟ್‌ನಲ್ಲಿ) ಆಗಿಲ್ಲದಿದ್ದರೆ. ಆಗ ಮೂರು ಬಿಂದುಗಳ ಮೂಲಕ ಹಾದುಹೋಗುವ. ವಲಯ ಸಂಖ್ಯೆ :

Options :

70819137595. 455

70819137596. 421

70819137597. 435

70819137598. 441

Question Number : 8 Question Id : 70819111585 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 :

70819137599. a = 1, b = 0

70819137600. a = 0, b = 1

70819137601. a = 0, b = -1

70819137602. a = -1, b = 1

Question Number : 8 Question Id : 70819111585 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$y = \frac{ax - b}{(x-1)(x-4)}$  ಒಂದು ಬಿಂದುವನ್ನು  $(2, -1)$ , ಹೊಂದಿದೆ, ಆದರೆ  $a$  ಮತ್ತು  $b$  ನ ಬೆಲೆಯು :

Options :

70819137599.  $a=1, b=0$

70819137600.  $a=0, b=1$

70819137601.  $a=0, b=-1$

70819137602.  $a=-1, b=1$

Question Number : 9 Question Id : 70819111586 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 :

70819137603.  $\frac{9}{13}$

70819137604.  $\frac{15}{4}$

70819137605.  $\frac{13}{9}$

70819137606.  $\frac{1}{13}$

Question Number : 9 Question Id : 70819111586 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\vec{r} \cdot (2\hat{i} + \hat{j} - 2\hat{k}) + 5 = 0$  ಮತ್ತು  $\vec{r} \cdot (6\hat{i} + 3\hat{j} - 6\hat{k}) + 2 = 0$  ಈ ಸಮತಲಗಳ ನಡುವಿನ ಅಂತರವು :

Options :

70819137603.  $\frac{9}{13}$

70819137604.  $\frac{15}{4}$

70819137605.  $\frac{13}{9}$

70819137606.  $\frac{1}{13}$

Question Number : 10 Question Id : 70819111587 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 :

70819137607.  $\frac{7}{20}$

70819137608.  $\frac{1}{20}$

70819137609.

70819137610.  $\frac{12}{20}$

Question Number : 10 Question Id : 70819111587 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಗಣಿತಶಾಸ್ತ್ರದಲ್ಲಿ ಸಮಸ್ಯೆಯನ್ನು (ಪ್ರಾಬಲಮ್) ಇಬ್ಬರು ವಿದ್ಯಾರ್ಥಿಗಳು ಕ್ರಮವಾಗಿ X ಮತ್ತು Yಗಳು  $\frac{1}{4}$  ಮತ್ತು  $\frac{1}{5}$ .  
ಪರಿಹರಿಸುವ ಸಂಭವನೀಯತೆ, ಅವರು ಇಬ್ಬರೂ ಸಮಸ್ಯೆಯನ್ನು ಅನಿರೀಕ್ಷಿತವಾಗಿ ಪರಿಹರಿಸಲು ಪ್ರಯತ್ನಿಸಿದರೆ,  
ಅವುಗಳಲ್ಲಿ ಒಂದನ್ನು ನಿಖರವಾಗಿ ಪರಿಹರಿಸುವ ಸಂಭವನೀಯತೆಯು ಸಮಾನವಾಗಿದೆ :

Options :

70819137607.  $\frac{7}{20}$

70819137608.  $\frac{1}{20}$

70819137609.  $\frac{19}{20}$

70819137610.  $\frac{12}{20}$

Question Number : 11 Question Id : 70819111588 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 :

70819137611.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819137612.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819137613.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819137614.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 11 Question Id : 70819111588 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಸಂಕೀರ್ಣ ಸಂಖ್ಯೆ  $\frac{1+i}{1-i}$  ನ ಧೃವರೂಪವು :

Options :

70819137611.  $\cos \frac{\pi}{2} + i \sin \frac{\pi}{2}$

70819137612.  $\cos \frac{\pi}{2} - i \sin \frac{\pi}{2}$

70819137613.  $\cos \frac{\pi}{4} + i \sin \frac{\pi}{4}$

70819137614.  $\cos \frac{\pi}{4} - i \sin \frac{\pi}{4}$

Question Number : 12 Question Id : 70819111589 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 :

70819137615. <sup>2</sup>

70819137616. <sup>3</sup>

70819137617. <sup>4</sup>

70819137618. <sup>1</sup>

Question Number : 12 Question Id : 70819111589 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

2:1 ಅನುಪಾತದಲ್ಲಿ  $(1, 0)$  ಮತ್ತು  $(3, 0)$  ಅಂಕಗಳನ್ನು ಸೇರುವ. ರೇಖೆಯ ವಿಭಾಗವನ್ನು ವಿಭಜಿಸುವ ಮತ್ತು ಅದಕ್ಕೆ ಲಂಬವಾಗಿರುವ ಸಮೀಕರಣವು  $ax = 7$  ಅದರೆ.  $a$  ನ ಮೌಲ್ಯವು :

Options :

70819137615. <sup>2</sup>

70819137616. <sup>3</sup>

70819137617. <sup>4</sup>

70819137618. <sup>1</sup>

Question Number : 13 Question Id : 70819111590 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 :**

70819137619.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819137620.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819137621.  $2(x^2 + y^2) - x + y + 1 = 0$

70819137622.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 13 Question Id : 70819111590 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ವೃತ್ತದ ಸಮೀಕರಣವು ವೃತ್ತದ ಕನ್ನಡಿ ಬಿಂಬ  $x^2 + y^2 - 2x = 0$  ಸಾಲಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ  $x + y = 2$ , ಆಗಿದೆ

**Options :**

70819137619.  $x^2 + y^2 - 2x + 4y + 3 = 0$

70819137620.  $x^2 + y^2 - 4x - 2y + 4 = 0$

70819137621.  $2(x^2 + y^2) - x + y + 1 = 0$

70819137622.  $x^2 + y^2 - 2x - 4y + 3 = 0$

**Question Number : 14 Question Id : 70819111591 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 :**

70819137623.  $y+3=0$  and  $x-1=0$

70819137624.  $x-3=0$  and  $y+1=0$

70819137625.  $x+3=0$  and  $x-1=0$

70819137626.  $y+3=0$  and  $y-1=0$

**Question Number : 14 Question Id : 70819111591 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ಏಲಿಪ್ಸ್ ಸಾಮಾನ್ಯ ಸ್ಪರ್ಶಕಗಳ ಸಮೀಕರಣ  $\frac{(x+1)^2}{2^2} + \frac{(y-1)^2}{3^2} = 1$  ಮತ್ತು ವೃತ್ತ  $(x+1)^2 + (y-1)^2 = 4$

ಇವೆ :

**Options :**

70819137623.  $y+3=0$  ಮತ್ತು  $x-1=0$

70819137624.  $x-3=0$  ಮತ್ತು  $y+1=0$

70819137625.  $x+3=0$  ಮತ್ತು  $x-1=0$

70819137626.  $y+3=0$  ಮತ್ತು  $y-1=0$

**Question Number : 15 Question Id : 70819111592 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 :

70819137627.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819137628.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819137629.  $\begin{bmatrix} k & ka \\ 0 & k \end{bmatrix}$

70819137630.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 15 Question Id : 70819111592 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಒಂದು ವೇಳೆ  $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$  ಆದರೆ,  $A^k$  ( $k \in \mathbb{N}$ ) ಯು :

Options :

70819137627.  $\begin{bmatrix} 1 & ka \\ 0 & 1 \end{bmatrix}$

70819137628.  $\begin{bmatrix} 1 & k^2a \\ 0 & 1 \end{bmatrix}$

70819137629.

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

70819137630.  $\begin{bmatrix} 1 & ka \\ 0 & 0 \end{bmatrix}$

Question Number : 16 Question Id : 70819111593 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 :

70819137631.  $s=5, t=13$

70819137632.  $s \neq 5$

70819137633.  $s=5, t \neq 13$

70819137634.  $t \neq 13$

Question Number : 16 Question Id : 70819111593 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$$x_1 + x_2 + x_3 = 5$$

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

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

ಯಾವುದೇ ಪರಿಹಾರವನ್ನು ಹೊಂದಿರದ ಸಮೀಕರಣ ವ್ಯವಸ್ಥೆಯ s ಮತ್ತು t ಗಳ ಬೆಲೆಯು :

Options :

70819137631.  $s=5, t=13$

70819137632.  $s \neq 5$

70819137633.  $s=5, t \neq 13$

70819137634.  $t \neq 13$

Question Number : 17 Question Id : 70819111594 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 :

70819137635. 1

70819137636. -1

70819137637. 0

70819137638. 2

Question Number : 17 Question Id : 70819111594 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\tan^{-1}\left(\frac{2x}{1-x^2}\right)$  ನ್ನು ಸಂಬಂಧಿಸಿದಂತೆ  $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$  ನ ಒಳಗೆ  $(1, \infty)$  ವನ್ನು ನಿಷ್ಪನ್ನಿಸಿದಾಗ :

Options :

70819137635. 1

70819137636. -1

70819137637. 0

70819137638. 2

Question Number : 18 Question Id : 70819111595 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 :

70819137639.  $\frac{\pi}{6}$

70819137640.  $\frac{\pi}{4}$

70819137641.  $\frac{\pi}{3}$

70819137642.  $\frac{5\pi}{12}$

Question Number : 18 Question Id : 70819111595 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\vec{a}$ ,  $\vec{b}$  ಮತ್ತು  $\vec{c}$  ಮೂರು ಸದಿಸಹಳಾಗಿವೆ, ನಂತರ  $|\vec{a}| = |\vec{b}| = \frac{|\vec{c}|}{2} = 1$   $\vec{a} \times (\vec{a} \times \vec{c}) + \vec{b} = \vec{0}$  ಆದರೆ

$\vec{a}$  ಮತ್ತು  $\vec{c}$  ನಡುವಿನ ಲಘು ಕೋನವು :

**Options :**

70819137639.  $\frac{\pi}{6}$

70819137640.  $\frac{\pi}{4}$

70819137641.  $\frac{\pi}{3}$

70819137642.  $\frac{5\pi}{12}$

**Question Number : 19 Question Id : 70819111596 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 :**

70819137643.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819137644.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819137645.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819137646.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 19 Question Id : 70819111596 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಅವಕಲನ ಸಮೀಕರಣದ ಪರಿಹಾರ  $(1+y^2)dx = (\tan^{-1}y - x)dy$  ಇದೆ :  
(ಇಲ್ಲಿ  $c$  ಯು ಅರ್ಬಿಟ್‌ರಾರಿ ಸ್ಥಿರಾಂಕ)

Options :

70819137643.  $x = 1 - \tan^{-1}y + ce^{-\tan^{-1}y}$

70819137644.  $y = \tan^{-1}y - 1 + ce^{-\tan^{-1}x}$

70819137645.  $x = \tan^{-1}y - 1 + ce^{-\tan^{-1}y}$

70819137646.  $x = -\tan^{-1}y - 1 - ce^{\tan^{-1}x}$

Question Number : 20 Question Id : 70819111597 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 :

70819137647.  $[-5, -4] \cup [4, 5]$

70819137648.  $[-5, 4] \cup (-4, 5]$

70819137649.  $(-5, -4) \cup (4, 5)$

70819137650.  $(-5, 4) \cup (-4, 5)$

Question Number : 20 Question Id : 70819111597 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

$\vec{a} = (x^2 - 16)\hat{i} + 4\hat{j} - (x^2 - 25)\hat{k}$  ಸದಿಶಕ್ಕೆ ನಿರ್ದೇಶಾಂಕ ಅಕ್ಷಗಳೊಂದಿಗೆ ಲಘು ಕೋನಗಳನ್ನು ಉಂಟು ಮಾಡಿದರೆ  $x$  ನ ಬೆಲೆಯು :

Options :

70819137647.  $[-5, -4] \cup [4, 5]$

70819137648.  $[-5, 4) \cup (-4, 5]$

70819137649.  $(-5, -4) \cup (4, 5)$

70819137650.  $(-5, 4) \cup (-4, 5)$

## Mathematics Section B

Section Id :	708191394
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 :	708191674
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 70819111598 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 : 70819111598 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

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

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 : 70819111599 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 :** 70819111599 **Question Type :** SA

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

$9\tan^2\theta + 4\cot^2\theta$  ನ \_\_\_\_\_ ಕನಿಷ್ಠ ಬೆಲೆಯು :

**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 :** 70819111600 **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 :** 70819111600 **Question Type :** SA

Correct Marks : 4 Wrong Marks : 0

ಬಿಂದು (1, 2, 3) ವಿಂದ ರೇಖೆಗೆ  $\frac{-x+6}{-3} = \frac{y-7}{2} = \frac{z-7}{-2}$  ಲಂಬದ ಉದ್ದವೇಷ್ಟು ?

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 : 70819111601 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 : 70819111601 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$\log_3 2, \log_3 (2^x - 5)$  ಮತ್ತು  $\log_3 \left(2^x - \frac{7}{2}\right)$  ಸಮಾಂತರ ಶ್ರೇಣಿಯಲ್ಲಿದ್ದರೆ (AP) ಆದರೆ  $x$  ನ ಮೌಲ್ಯ

\_\_\_\_\_.

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 : 70819111602 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 : 70819111602 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ಒಂದು ವೇಳೆ  $x^2+x+1=0$ , ಆದರೆ  $-\left\{\left(x-\frac{1}{x}\right)^2+\left(x^2-\frac{1}{x^2}\right)^2+\left(x^3-\frac{1}{x^3}\right)^2\right\}$  ಯು \_\_\_\_\_.

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 : 70819111603 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 : 70819111603 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$x^2 + y^2 - 4x - 2y - 11 = 0$ , (4, 5) ಬಿಂದುವಿನಿಂದ ಸ್ಪರ್ಶಗಳನ್ನು ಎಳೆಯುವ ಒಂದು ವೃತ್ತವಾಗಿದ್ದು. ಇದು ಒಂದು ಜೋಡಿ ತ್ರಿಜ್ಯಗಳೊಂದಿಗೆ ಚತುರ್ಭುಜವನ್ನು ರೂಪಿಸುತ್ತವೆ. ಈ ಚತುರ್ಭುಜ ಪ್ರದೇಶವು ಚದುರ ಏಕಮಾನದಲ್ಲಿ \_\_\_\_\_.

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 : 70819111604 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 : 70819111604 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ದ್ವಿಪದ ವಿತರಣೆಯ ಸರಾಸರಿ ಮತ್ತು ವ್ಯತ್ಯಾಸದ ಮೊತ್ತ 15 ಆಗಿದೆ ಮತ್ತು ಅವುಗಳ ವರ್ಗಗಳ ಮೊತ್ತ 117 ಆಗಿದ್ದರೆ, ಸ್ವತಂತ್ರ ಪ್ರಯೋಗಗಳ ಸಂಖ್ಯೆ ಸಮಾನವಾಗಿರುತ್ತದೆ \_\_\_\_\_.

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 : 70819111605 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 : 70819111605 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

(1, 2, 6), (2, 5, 7) ಅಂಕಗಳ (ಬಿಂದುಗಳ) ಮೂಲಕ ಹಾದುಹೋಗುವ ಸಮತಲಕ್ಕೆ ಲಂಬವಾಗಿರುವ ಸಮತಲದ ಸಮೀಕರಣವು  $4x - y + z = 15$ ,  $ax + by + cz + d = 0$  ಆಗಿದೆ. ಒಂದು ವೇಳೆ  $a, b, c, d \in \mathbb{Z}$   $\gcd(|a|, |b|, |c|) = 1$ , ಆದರೆ  $|a + b + c + d|$  ಸಮಾವು \_\_\_\_\_.

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 : 70819111606 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 : 70819111606 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

ಅವಿಭಾಜ್ಯದಲ್ಲಿನ ನೈಜ ಪರಿಹಾರಗಳ ಸಂಖ್ಯೆ  $\left[-\frac{3\pi}{2}, \frac{7\pi}{2}\right]$  ಸಮೀಕರಣವು  $4\sin^2x - 8\sin x + 3 = 0$  ಆಗಿರುತ್ತದೆ \_\_\_\_\_.

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 : 70819111607 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  $A_5 A_7 = 441$ , 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 : 70819111607 Question Type : SA

Correct Marks : 4 Wrong Marks : 0

$A_1, A_2, A_3, \dots$  ಹೆಚ್ಚುತ್ತಿರುವ ಗುಣಾಂತರ ಶ್ರೇಣಿಯು  $\frac{1}{A_4} + \frac{1}{A_8} = \frac{10}{63}$  ಮತ್ತು  $A_5 A_7 = 441$  ಆದರೆ,  $3(A_2 + A_4)$  \_\_\_\_\_ ಗೆ ಸಮವಾಗಿದೆ .

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>	708191395
<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>	708191675
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 31 Question Id : 70819111608 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 :**

70819137661. United Nations Educational, Scientific & Cultural Organization.

70819137662. United Nations Educational Security Cultural Organization.

70819137663. United Nations Entrance Site Calling Organization.

70819137664. United Nations Educational, Sustainable & Cultural Organization.

Question Number : 31 Question Id : 70819111608 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'ಯುನೆಸ್ಕೊ' ಪದದ ಪರಿಪೂರ್ಣ ಹೆಸರನ್ನು ಈ ಕೆಳಗಿನ ಆಯ್ಕೆಯಿಂದ ಆರಿಸಿರಿ.

Options :

70819137661. ಯುನೈಟೆಡ್ ನೇಷನ್ಸ್ ಎಜುಕೇಶನಲ್, ಸೈನ್‌ಟಿಫಿಕ್ ಮತ್ತು ಕಲ್ಚರಲ್ ಆರ್ಗನೈಜೇಶನ್

70819137662. ಯುನೈಟೆಡ್ ನೇಷನ್ಸ್ ಎಜುಕೇಶನಲ್ ಸೆಕ್ಯೂರಿಟಿ ಕಲ್ಚರಲ್ ಆರ್ಗನೈಜೇಶನ್

70819137663. ಯುನೈಟೆಡ್ ನೇಷನ್ಸ್ ಎಂಟರೆನ್ಸ್ ಸೈಟ್ ಕಾಲಿಂಗ್ ಆರ್ಗನೈಜೇಶನ್

70819137664. ಯುನೈಟೆಡ್ ನೇಷನ್ಸ್ ಎಜುಕೇಶನಲ್, ಸಪ್ಲೇನೆಬಲ್ ಮತ್ತು ಕಲ್ಚರಲ್ ಆರ್ಗನೈಜೇಶನ್

Question Number : 32 Question Id : 70819111609 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

List - I

List - II

(I) Hall of Nation

(a)



(II) Falling Water, Pennsylvania

(b)



(III) Petronas Tower

(c)



(IV) Secretariat

(d)



**Options :**

70819137665. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819137666. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819137667. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

Question Number : 32 Question Id : 70819111609 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಹೊಂದಿಸಿ ಬರೆಯಿರಿ.

ಪಟ್ಟಿ - I

(I) ಹಾಲ್ ಆಫ್ ನೇಶನ್

(a)

ಪಟ್ಟಿ - II



(II) ಫಾಲಿಂಗ್ ವಾಟರ್, ಪೆನ್‌ಸಿಲ್‌ವಾನಿಯಾ

(b)



(III) ಪೆಟ್ರೋನಾಸ್ ಟಾವರ್

(c)



(IV) ಸೆಕ್ರೆಟೇರಿಯೆಟ್

(d)



**Options :**

70819137665. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

70819137666. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819137667. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819137668. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 33 Question Id : 70819111610 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

**Match List - I with List - II.**

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

**Options :**

70819137669. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819137670. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819137671. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819137672. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

**Question Number : 33 Question Id : 70819111610 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

ಹೊಂದಿಸಿ ಬರೆಯಿರಿ.

ಪಟ್ಟಿ - I	ಪಟ್ಟಿ - II
(I) ಕಮರು	(a) ವಿಕೋರಿಯಾ ಮೆಮೋರಿಯಲ್ ಹಾಲ್
(II) ಡೆಲ್ಲಿ	(b) ಬದ್ರಿನಾಥ ದೇವಸ್ಥಾನ
(III) ಫತೇಹಪುರ್ ಸಿಕ್ರಿ	(c) ಖಿರಕಿ ಮಸ್ಜಿದ್
(IV) ಕೊಲ್ಕತ್ತಾ	(d) ಬುಲಂದ್ ದರ್‌ವಾಜಾ

Options :

70819137669. (I)-(b), (II)-(c), (III)-(d), (IV)-(a)

70819137670. (I)-(b), (II)-(d), (III)-(c), (IV)-(a)

70819137671. (I)-(c), (II)-(a), (III)-(b), (IV)-(d)

70819137672. (I)-(b), (II)-(a), (III)-(d), (IV)-(c)

Question Number : 34 Question Id : 70819111611 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

List - I

List - II

(I) Agra fort

(a)



(II) Atala Masjid

(b)



(III) Nalanda University

(c)



(IV) Jagannatha Temple

(d)



Options :

70819137673. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819137674. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819137675. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819137676. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

Question Number : 34 Question Id : 70819111611 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಹೊಂದಿಸಿ ಬರೆಯಿರಿ.

ಪಟ್ಟಿ - I

ಪಟ್ಟಿ - II

(I) ಆಗ್ರಾ ಕೋಟೆ

(a)



(II) ಅಟಲಾ ಮಸ್ಜಿದ್

(b)



(III) ನಲಂದಾ ವಿಶ್ವವಿದ್ಯಾಲಯ

(c)



(IV) ಜಗನ್ನಾಥ್ ದೇವಸ್ಥಾನ

(d)



Options :

70819137673. (I)-(b), (II)-(c), (III)-(a), (IV)-(d)

70819137674. (I)-(a), (II)-(b), (III)-(c), (IV)-(d)

70819137675. (I)-(c), (II)-(a), (III)-(d), (IV)-(b)

70819137676. (I)-(b), (II)-(a), (III)-(c), (IV)-(d)

**Question Number : 35 Question Id : 70819111612 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 :**

70819137677. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819137678. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819137679. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819137680. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 35 Question Id : 70819111612 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ಹೊಂದಿಸಿ ಬರೆಯಿರಿ.

ಪಟ್ಟಿ - I	ಪಟ್ಟಿ - II
(I) ಯದ್‌ವಿಂದ್ರ ಉದ್ಯಾನವನ	(a) ಮನಾಲಿ
(II) ವಿಷ್ಣು ದೇವಸ್ಥಾನ	(b) ಅಮೃತಸರ್
(III) ಹಿಡಿಂಬಾ ದೇವಸ್ಥಾನ	(c) ಪಿಂಜೋರ
(IV) ಹರಿ ಮಂದಿರ	(d) ಬುನಿಯಾರ್

**Options :**

70819137677. (I)-(c), (II)-(d), (III)-(b), (IV)-(a)

70819137678. (I)-(c), (II)-(d), (III)-(a), (IV)-(b)

70819137679. (I)-(d), (II)-(b), (III)-(c), (IV)-(a)

70819137680. (I)-(b), (II)-(d), (III)-(a), (IV)-(c)

**Question Number : 36 Question Id : 70819111613 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 :**

70819137681. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819137682. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819137683. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819137684. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

Question Number : 36 Question Id : 70819111613 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಹೊಂದಿಸಿ ಬರೆಯಿರಿ.

ಪಟ್ಟಿ - I	ಪಟ್ಟಿ - II
(I) ಮೆಹರಾನ್‌ಗಢ್ ಕೋಟೆ	(a) ಹೈದರಾಬಾದ್
(II) ಸಿರಿ ಕೋಟೆ	(b) ಕೋಲ್ಕತ್ತಾ
(III) ಗೊಲ್ಕೊಂಡ ಕೋಟೆ	(c) ಡೆಲ್ಲಿ
(IV) ಫೋರ್ಟ್ ವಿಲಿಯಂ	(d) ಜೋಧ್‌ಪುರ್

ಕೆಳಗೆ ಕೊಟ್ಟಿರುವ ಆಯ್ಕೆಗಳಿಂದ ಸರಿಯಾದ ಉತ್ತರವನ್ನು ಆರಿಸಿ ಬರೆಯಿರಿ.

Options :

70819137681. (I)-(a), (II)-(d), (III)-(b), (IV)-(c)

70819137682. (I)-(d), (II)-(c), (III)-(a), (IV)-(b)

70819137683. (I)-(d), (II)-(c), (III)-(b), (IV)-(a)

70819137684. (I)-(a), (II)-(b), (III)-(d), (IV)-(c)

Question Number : 37 Question Id : 70819111614 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 :

70819137685. B.V. Doshi

70819137686. Arundhati Roy

70819137687. Revati Kamat

70819137688. Bimal Patel

**Question Number : 37 Question Id : 70819111614 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

“ಗಾಡ್ ಆಫ್ ಸ್ಮಾಲ್ ಥಿಂಗ್ಸ್” ಎಂಬ ಪುಸ್ತಕವನ್ನು ಬರೆದ ಭಾರತದ ವಾಸ್ತುಶಿಲ್ಪಿ ಯಾರು ?

**Options :**

70819137685. ಬಿ.ವಿ. ದೋಷಿ

70819137686. ಅರುಂಧತಿ ರಾಯ್

70819137687. ರೇವತಿ ಕಾಮತ್

70819137688. ಬೀಮಲ್ ಪಟೇಲ್

**Question Number : 38 Question Id : 70819111615 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 :**

70819137689. Gujarat

70819137690. West Bengal

70819137691. Tamil Nadu

70819137692. Rajasthan

**Question Number : 38 Question Id : 70819111615 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ಜರೋಕಾ ಶೈಲಿಯ ಕಿಟಕಿಯನ್ನು ಅತಿ ಹೆಚ್ಚಾಗಿ ಎಲ್ಲಿ ಕಾಣಬಹುದು ?

**Options :**

70819137689. ಗುಜರಾತ

70819137690. ವೆಸ್ಟ್ ಬೆಂಗಾಲ್

70819137691. ತಮಿಳುನಾಡು

70819137692. ರಾಜಸ್ಥಾನ

**Question Number : 39 Question Id : 70819111616 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 :**

70819137693. North-West side

70819137694. South-East side

70819137695. North side

70819137696. South-West side

Question Number : 39 Question Id : 70819111616 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಮಾನ್‌ಸೂನ್ ಗಾಳಿಯು ಯಾವ ದಿಕ್ಕಿನಿಂದ ಭಾರತದ ಉಪಖಂಡಕ್ಕೆ ಬರುತ್ತದೆ ?

Options :

70819137693. ಉತ್ತರ-ಪಶ್ಚಿಮ ದಿಕ್ಕಿನಿಂದ

70819137694. ದಕ್ಷಿಣ-ಪೂರ್ವ ದಿಕ್ಕಿನಿಂದ

70819137695. ಉತ್ತರ-ದಿಕ್ಕಿನಿಂದ

70819137696. ದಕ್ಷಿಣ-ಪಶ್ಚಿಮ ದಿಕ್ಕಿನಿಂದ

Question Number : 40 Question Id : 70819111617 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 :

70819137697. Bharat Bhavan in Bhopal

70819137698. LIC Building in Delhi

70819137699. Charminar in Hyderabad

70819137700. Victoria Memorial in Kolkata

Question Number : 40 Question Id : 70819111617 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಈ ಕೆಳಗಿನ ಯಾವ ಕಟ್ಟಡವು "ಕೊಲೋನಿಯಲ್" ವಾಸ್ತುಶಿಲ್ಪದ ಮಾದರಿಯನ್ನು ಪ್ರತಿನಿಧಿಸುತ್ತದೆ ?

Options :

70819137697. ಭಾರತ ಭವನ - ಭೋಪಾಲ್

70819137698. ಎಲ್.ಐ.ಸಿ. ಕಟ್ಟಡ - ದಿಲ್ಲಿ

70819137699. ಚಾರ್‌ಮಿನಾರ್ - ಹೈದರಾಬಾದ್

70819137700. ವಿಕ್ಟೋರಿಯಾ ಮೆಮೋರಿಯಲ್ - ಕೋಲ್ಕತ್ತಾ

Question Number : 41 Question Id : 70819111618 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 :

70819137701.  $420 \times 590$  (mm  $\times$  mm)

70819137702.  $420 \times 594$  (mm  $\times$  mm)

70819137703.  $297 \times 420$  (mm  $\times$  mm)

70819137704.  $420 \times 592$  (mm  $\times$  mm)

Question Number : 41 Question Id : 70819111618 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A2 ಡ್ರಾಯಿಂಗ್ ಶೀಟ್‌ನ ಅಳತೆ ಎಷ್ಟು ?

Options :

70819137701. 420×590 (ಮಿ.ಮಿ. ×ಮಿ.ಮಿ.)

70819137702. 420×594 (ಮಿ.ಮಿ. ×ಮಿ.ಮಿ.)

70819137703. 297×420 (ಮಿ.ಮಿ. ×ಮಿ.ಮಿ.)

70819137704. 420×592 (ಮಿ.ಮಿ. ×ಮಿ.ಮಿ.)

Question Number : 42 Question Id : 70819111619 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 :

70819137705. Chittor fort

70819137706. Jaigarh fort

70819137707. Bhangarh fort

70819137708. Amer fort

Question Number : 42 Question Id : 70819111619 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

“ವಿಕ್ಟರಿ ಟಾವರ್” ಈ ಕೆಳಗಿನ ಯಾವ ಕೋಟೆಗೆ ಸೇರುತ್ತದೆ ?

Options :

70819137705. ಚಿತ್ತೂರ ಕೋಟೆ

70819137706. ಜೈಗರ ಕೋಟೆ

70819137707. ಭಾನ್‌ಗಡ್ ಕೋಟೆ

70819137708. ಅಮೇರ್ ಕೋಟೆ

Question Number : 43 Question Id : 70819111620 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 :

70819137709. Sanjay Puri

70819137710. Vikram Lall

70819137711. Ashok Lall

70819137712. C. Sompura

Question Number : 43 Question Id : 70819111620 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಪ್ರಸಿದ್ಧವಾದ ಅಕ್ಷರಧಾಮ ದೇವಾಲಯವನ್ನು ಯಾವ ವಾಸ್ತುಶಿಲ್ಪಿಯು ವಿನ್ಯಾಸಗೊಳಿಸಿದ್ದಾರೆ ?

Options :

70819137709. ಸಂಜಯ ಪುರಿ

70819137710. ವಿಕ್ರಮ ಲಾಲ್

70819137711. ಅಶೋಕ ಲಾಲ್

70819137712. ಸಿ. ಸೋಮಪುರ

Question Number : 44 Question Id : 70819111621 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Volume Zero' Documentary is on which Architect ?

Options :

70819137713. Charles Correa

70819137714. Richard Mier

70819137715. Jasbir Sachdev

70819137716. Ranjit Sabliki

Question Number : 44 Question Id : 70819111621 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

“ವಾಲ್ಟಮ್ ಜೀರೊ”ವೆಂಬ ಸಾಕ್ಷ್ಯ ಚಿತ್ರವು ಯಾವ ವಾಸ್ತುಶಿಲ್ಪಿಯ ಮೇಲೆ ಆಧಾರಿತವಾಗಿದೆ ?

Options :

70819137713. ಜಾರ್ಜ್ ಕೊರಿಯಾ

70819137714. ರಿಚರ್ಡ್ ಮೇರ್

70819137715. ಜಸಬೀರ್ ಸಚದೇವ

70819137716. ರಂಜೀತ ಸಬ್ಲೀಕಿ

Question Number : 45 Question Id : 70819111622 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Agenda 21' is declaration related with :

Options :

70819137717. Climate change

70819137718. Global warming

70819137719. Sustainable development

70819137720. Smart city

Question Number : 45 Question Id : 70819111622 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಅಜೆಂಡಾ 21 ಎಂಬುದು ಯಾವ ಘೋಷಣೆಗೆ ಸಂಬಂಧಿಸಿದೆ ?

Options :

70819137717. ಹವಾಮಾನ ಬದಲಾವಣೆ

70819137718. ಜಾಗತಿಕ ತಾಪಮಾನ ಏರಿಕೆ (ಗ್ಲೋಬಲ್ ವಾರ್ಮಿಂಗ್)

70819137719.

ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿ (ಸಸ್ಟೇನೇಬಲ್ ಡೆವಲಪ್‌ಮೆಂಟ್)

70819137720.

ಸ್ಮಾರ್ಟ್ ಸಿಟಿ

**Question Number : 46 Question Id : 70819111623 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 :**

70819137721. Karnataka

70819137722. Orissa

70819137723. Maharashtra

70819137724. Uttar Pradesh

**Question Number : 46 Question Id : 70819111623 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

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

ಭಾರತದ ಯಾವ ರಾಜ್ಯದಲ್ಲಿ ಚಿನ್ನದ ಗಣಿಗಳಿವೆ ?

**Options :**

70819137721. ಕರ್ನಾಟಕ

70819137722. ಓರಿಸ್ಸಾ

70819137723. ಮಹಾರಾಷ್ಟ್ರ

Question Number : 47 Question Id : 70819111624 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 :

70819137725. North

70819137726. South

70819137727. East

70819137728. West

Question Number : 47 Question Id : 70819111624 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ದಕ್ಷಿಣ ಗೋಳಾರ್ಧದಲ್ಲಿ (ಸದರ್ನ್ ಹೆಮಿಸ್ಪಿಯರ್) ನೆರಳಲ್ಲಿ ಬೆಳಕು ಯಾವ ದಿಕ್ಕಿನಿಂದ ಬರುತ್ತದೆ ?

Options :

70819137725. ಉತ್ತರ

70819137726. ದಕ್ಷಿಣ

70819137727. ಪೂರ್ವ

70819137728. ಪಶ್ಚಿಮ

Question Number : 48 Question Id : 70819111625 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 :

70819137729. B.V. Doshi

70819137730. Laurie Baker

70819137731. Raj Rewal

70819137732. Achyut Kanvinde

Question Number : 48 Question Id : 70819111625 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

2018 “ಪ್ರಿಟ್ಜಕರ್” ಪ್ರಶಸ್ತಿಯನ್ನು ಪಡೆದ ಭಾರತೀಯ ಮೊದಲನೆಯ ವಾಸ್ತುಶಿಲ್ಪಿ ಯಾರು ?

Options :

70819137729. ಬಿ.ವಿ. ದೊಷಿ

70819137730. ಲಾರಿ ಬೇಕರ್

70819137731. ರಾಜ್ ರೆವಲ್

70819137732. ಅಚ್ಯುತ್ ಕಾನ್‌ವಿಂದೆ

Question Number : 49 Question Id : 70819111626 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Word "Bungalow" has originated from :

Options :

70819137733. Bengalurm

70819137734. Banaras

70819137735. Bengal

70819137736. Bari

Question Number : 49 Question Id : 70819111626 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

“ಬಂಗಲೋ” ಪದವು ಯಾವ ಕೆಳಗಿನ ಪ್ರದೇಶದಿಂದ ಬಂದಿದೆ ?

Options :

70819137733. ಬೆಂಗಾಲುರಮ್

70819137734. ಬನಾರಸ್

70819137735. ಬೆಂಗಾಲ್

70819137736. ಬರಿ

Question Number : 50 Question Id : 70819111627 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 :**

70819137737. Laurie Baker

70819137738. Louis Kahn

70819137739. Lutyen

70819137740. Le Corbusier

**Question Number : 50 Question Id : 70819111627 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ಐ.ಐ.ಎಮ್. (IIM) ಅಹಮದಾಬಾದನ್ನು ಈ ಕೆಳಗಿನ ಯಾವ ವಾಸ್ತುಶಿಲ್ಪಿಯು ವಿನ್ಯಾಸಗೊಳಿಸಿದ್ದಾರೆ ?

**Options :**

70819137737. ಲಾರಿ ಬೇಕರ್

70819137738. ಲೂಯಿ ಖಾನ್

70819137739. ಲೂಟೆನ್

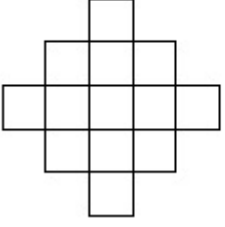
70819137740. ಲೆ ಕಾರ್ಬುಸಿಯರ್

**Question Number : 51 Question Id : 70819111628 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 :**

70819137741. 14

70819137742. 13

70819137743. 15

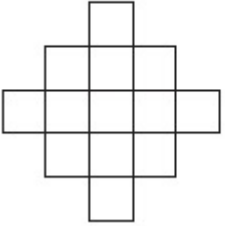
70819137744. 18

Question Number : 51 Question Id : 70819111628 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಈ ಕೆಳಗಿನ ಆಕೃತಿಯಲ್ಲಿ ಎಷ್ಟು ಚೌಕ (ವರ್ಗ)ಗಳಿವೆ ?



**Options :**

70819137741. 14

70819137742. 13

70819137743. 15

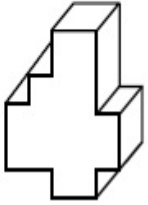
70819137744. 18

Question Number : 52 Question Id : 70819111629 Question Type : MCQ Option Shuffling : Yes

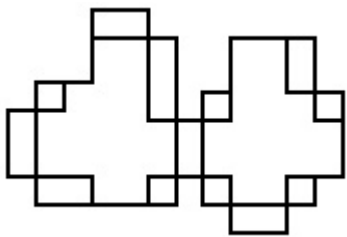
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

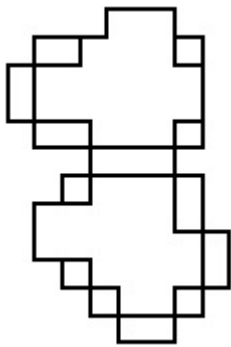
A drawing is provided with all the folds to construct the following three Dimensional object.  
Select the correct one.



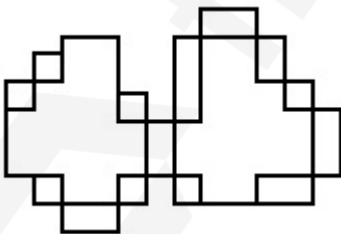
Options :



70819137745.

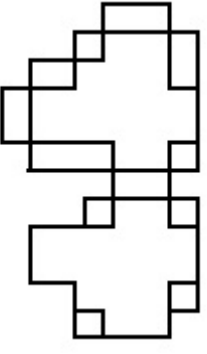


70819137746.



70819137747.

70819137748.



Question Number : 52 Question Id : 70819111629 Question Type : MCQ Option Shuffling : Yes

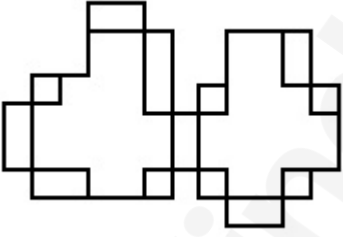
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

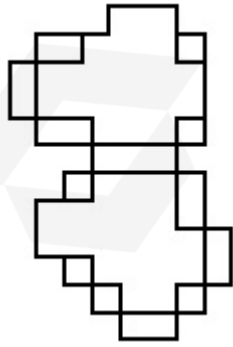
ಕೆಳಗಿನ '3'ಡಿ ವಸ್ತುವನ್ನು ನಿರ್ಮಿಸಲು ಎಲ್ಲಾ ಮಡಿಕೆಗಳೊಂದಿಗೆ ಡ್ರಾಯಿಂಗ್ ಅನ್ನು ಒದಗಿಸಲಾಗಿದೆ.  
ಸರಿಯಾದ ಡ್ರಾಯಿಂಗ್ ಅನ್ನು ಆರಿಸಿ ಬರೆಯಿರಿ.



Options :

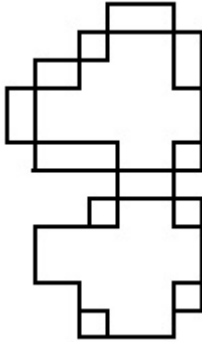
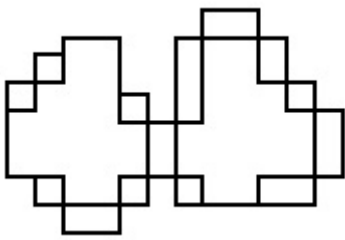


70819137745.



70819137746.

70819137747.



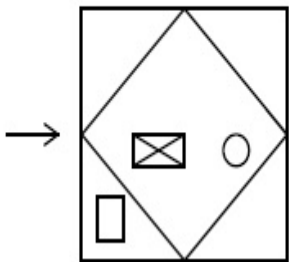
70819137748.

**Question Number : 53 Question Id : 70819111630 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

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

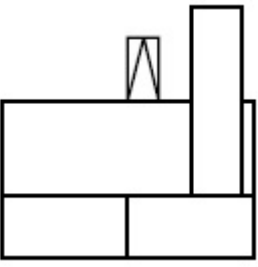


**Options :**

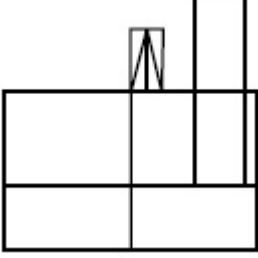


70819137749.

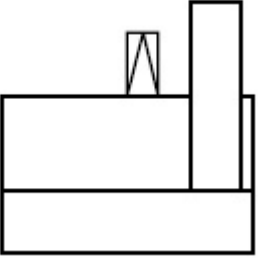
70819137750.



70819137751.



70819137752.

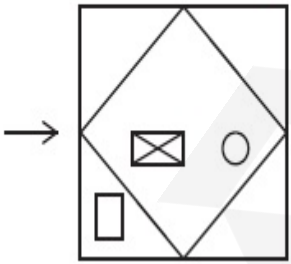


Question Number : 53 Question Id : 70819111630 Question Type : MCQ Option Shuffling : Yes

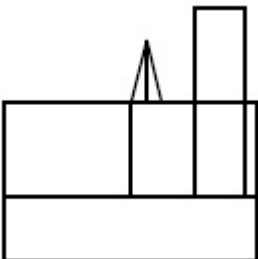
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆ ಚಿತ್ರವು ಉನ್ನತ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಗುರುತಿಸಿರಿ.

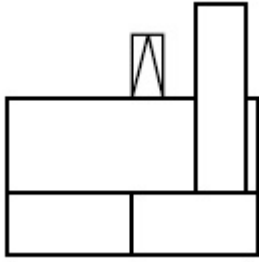


Options :

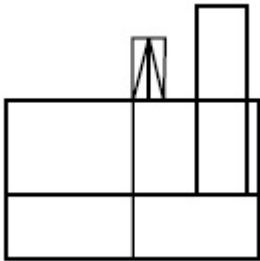


70819137749.

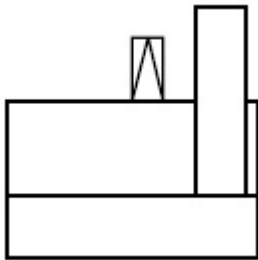
70819137750.



70819137751.



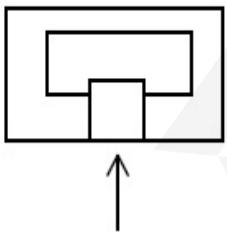
70819137752.



**Question Number : 54 Question Id : 70819111631 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**

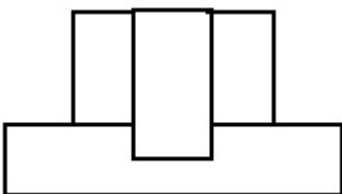
**Correct Marks : 4 Wrong Marks : 1**

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

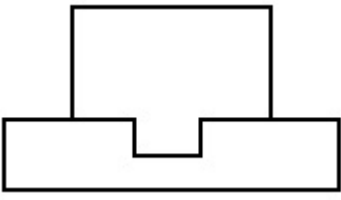


**Options :**

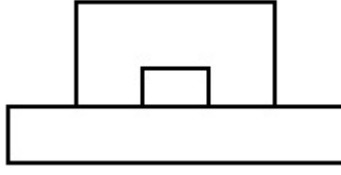
70819137753.



70819137754.



70819137755.



70819137756.

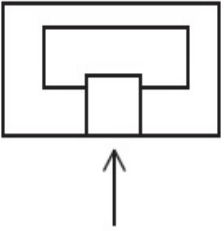


Question Number : 54 Question Id : 70819111631 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

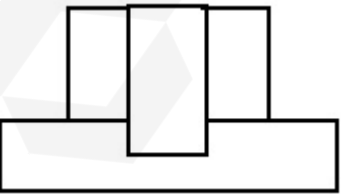
Correct Marks : 4 Wrong Marks : 1

ಪ್ರಶ್ನೆಯ ಚಿತ್ರವು ವಸ್ತುವಿನ ಉನ್ನತ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ 'ಎಲಿವೇಶನ್'ನನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

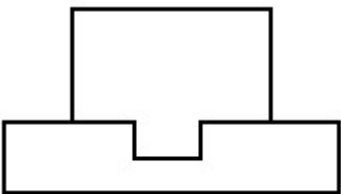


Options :

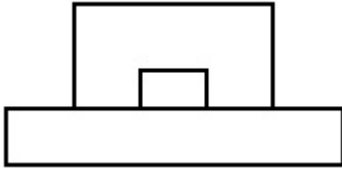
70819137753.



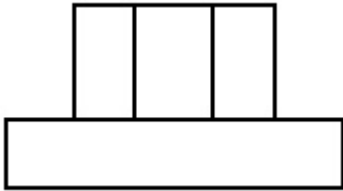
70819137754.



70819137755.



70819137756.

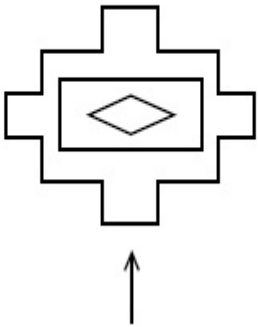


**Question Number : 55 Question Id : 70819111632 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

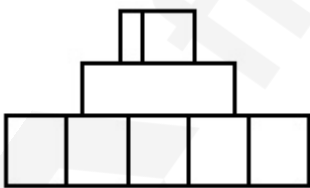
**Correct Marks : 4 Wrong Marks : 1**

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

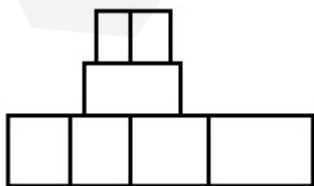


**Options :**

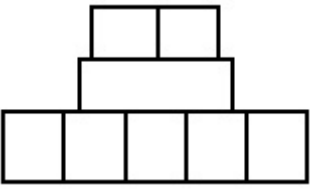
70819137757.



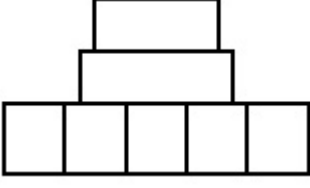
70819137758.



70819137759.



70819137760.

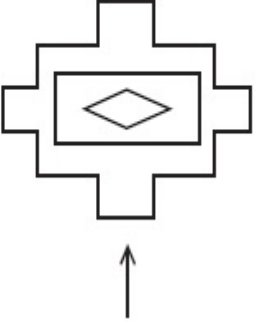


**Question Number : 55 Question Id : 70819111632 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

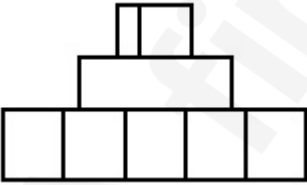
**Correct Marks : 4 Wrong Marks : 1**

ಪ್ರಶ್ನೆಯ ಚಿತ್ರವು ವಸ್ತುವಿನ ಉನ್ನತ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ 'ಎಲಿವೇಶನ್'ನನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

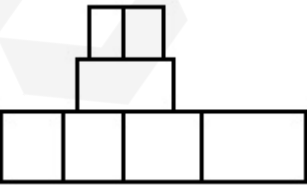


**Options :**

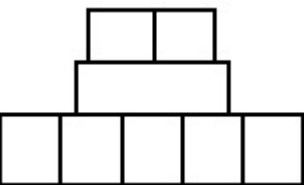
70819137757.



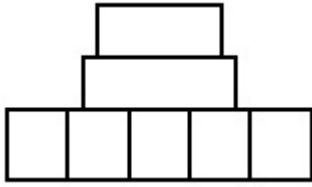
70819137758.



70819137759.



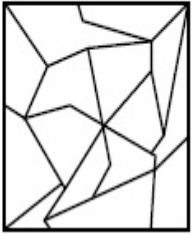
70819137760.



**Question Number : 56 Question Id : 70819111633 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 :**

70819137761.



70819137762.



70819137763.



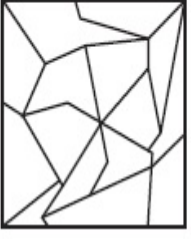
70819137764.




**Question Number : 56 Question Id : 70819111633 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**


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


ಕೆಳಗಿನ ಉತ್ತರಗಳಲ್ಲಿ ಕೊಟ್ಟಿರುವ ಚಿತ್ರವೊಂದು ಪ್ರಶ್ನೆಯ ಚಿತ್ರದಲ್ಲಿ ಯಥಾಸ್ಥಿತಿ ಅಡಗಿದ ಸರಿಯಾದ ಅಡಗಿರುವ ಚಿತ್ರವನ್ನು ಗುರುತಿಸಿರಿ.




**Options :**

70819137761. 

70819137762. 

70819137763. 

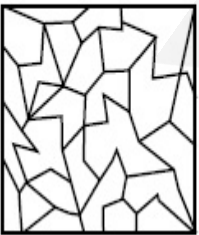
70819137764. 

**Question Number : 57 Question Id : 70819111634 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 :**

70819137765. 

70819137766.



70819137767.



70819137768.

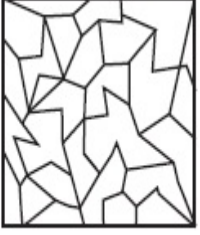


**Question Number : 57 Question Id : 70819111634 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

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

ಕೆಳಗಿನ ಉತ್ತರಗಳಲ್ಲಿ ಕೊಟ್ಟಿರುವ ಚಿತ್ರವೊಂದು ಪ್ರಶ್ನೆಯ ಚಿತ್ರದಲ್ಲಿ ಯಥಾಸ್ಥಿತಿ ಅಡಗಿದೆ. ಸರಿಯಾಗಿ ಅಡಗಿರುವ ಚಿತ್ರವನ್ನು ಗುರುತಿಸಿರಿ.



**Options :**

70819137765.



70819137766.



70819137767.



70819137768.

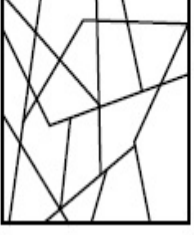


**Question Number : 58 Question Id : 70819111635 Question Type : MCQ Option Shuffling : Yes**


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 :

70819137769. 

70819137770. 

70819137771. 

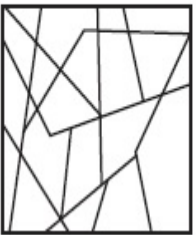
70819137772. 

Question Number : 58 Question Id : 70819111635 Question Type : MCQ Option Shuffling : Yes


Is Question Mandatory : No


Correct Marks : 4 Wrong Marks : 1


ಕೆಳಗಿನ ಉತ್ತರಗಳಲ್ಲಿ ಕೊಟ್ಟಿರುವ ಚಿತ್ರವೊಂದು ಪ್ರಶ್ನೆಯ ಚಿತ್ರದಲ್ಲಿ ಯಥಾಸ್ಥಿತಿ ಅಡಗಿದೆ. ಸರಿಯಾಗಿ ಅಡಗಿರುವ ಚಿತ್ರವನ್ನು ಗುರುತಿಸಿರಿ.




Options :

70819137769. 

70819137770. 

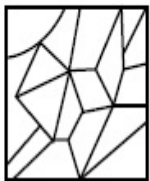
70819137771. 

70819137772. 


**Question Number : 59 Question Id : 70819111636 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 :**

70819137773. 

70819137774. 

70819137775. 

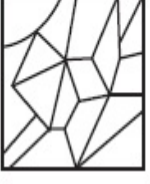
70819137776. 

**Question Number : 59 Question Id : 70819111636 Question Type : MCQ Option Shuffling : Yes**


Is Question Mandatory : No


Correct Marks : 4 Wrong Marks : 1


ಕೆಳಗಿನ ಉತ್ತರಗಳಲ್ಲಿ ಕೊಟ್ಟಿರುವ ಚಿತ್ರವೊಂದು ಪ್ರಶ್ನೆಯ ಚಿತ್ರದಲ್ಲಿ ಯಥಾಸ್ಥಿತಿ ಅಡಗಿದೆ. ಸರಿಯಾಗಿ ಅಡಗಿರುವ ಚಿತ್ರವನ್ನು ಗುರುತಿಸಿರಿ.




Options :

70819137773. 

70819137774. 

70819137775. 

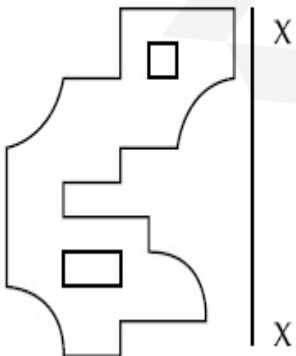
70819137776. 

Question Number : 60 Question Id : 70819111637 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

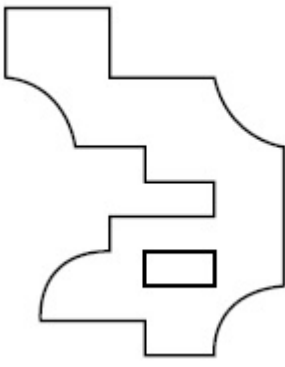
Correct Marks : 4 Wrong Marks : 1

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

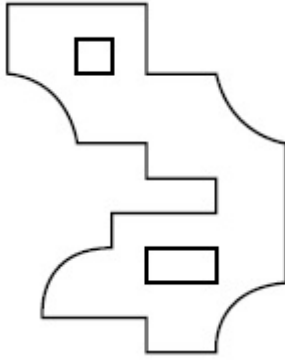


Options :

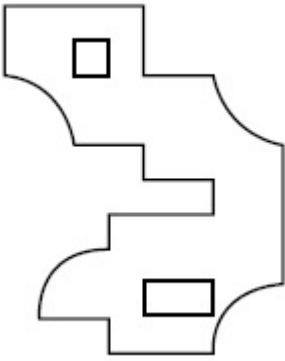
70819137777.



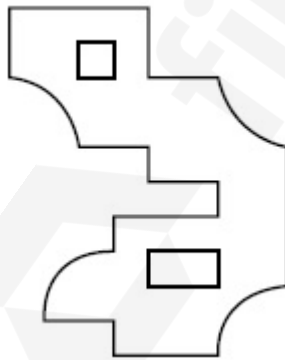
70819137778.



70819137779.

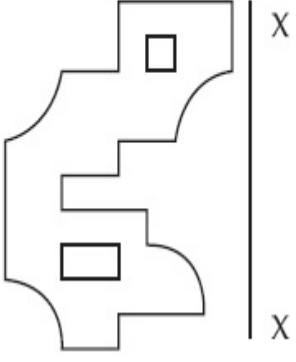


70819137780.

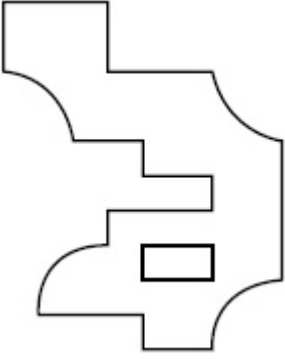


**Question Number : 60 Question Id : 70819111637 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No  
Correct Marks : 4 Wrong Marks : 1**

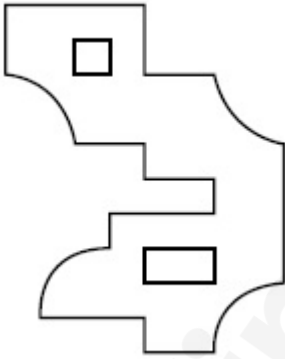
X-X ಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಪ್ರಶ್ನೆಯ ಆಕೃತಿಗೆ ಸರಿಯಾಗಿ ಹೋಲುವ ಕನ್ನಡಿ ಚಿತ್ರವನ್ನು ನೋಡಿ ಚಿತ್ರವನ್ನು ಗುರುತಿಸಿರಿ.



Options :



70819137777.

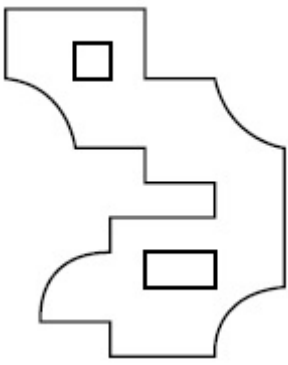


70819137778.



70819137779.

70819137780.

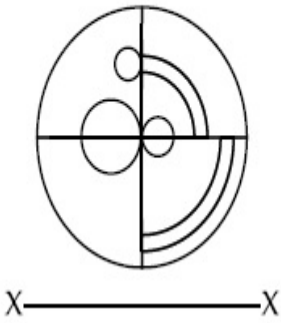


Question Number : 61 Question Id : 70819111638 Question Type : MCQ Option Shuffling : Yes

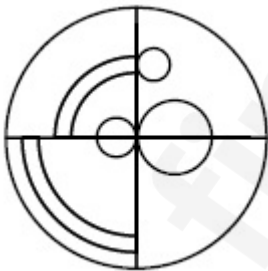
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

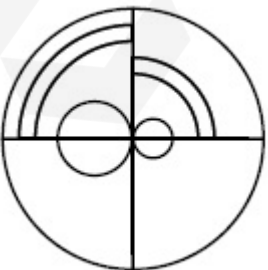
Which one of the answer figures is the correct mirror image of the problem figure with respect to X-X ?



Options :

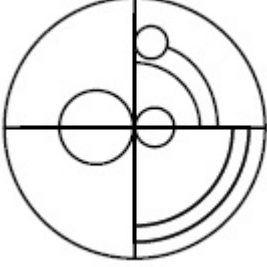
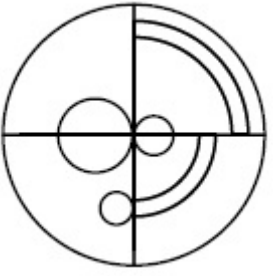


70819137781.



70819137782.

70819137783.



70819137784.

Question Number : 61 Question Id : 7081911638 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

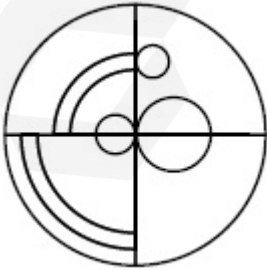
Correct Marks : 4 Wrong Marks : 1

X-Xಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಪ್ರಶ್ನೆಯ ಆಕೃತಿಗೆ ಸರಿಯಾಗಿ ಹೋಲುವ ಕನ್ನಡಿ ಚಿತ್ರವನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರವನ್ನು ನೋಡಿ ಗುರುತಿಸಿರಿ.



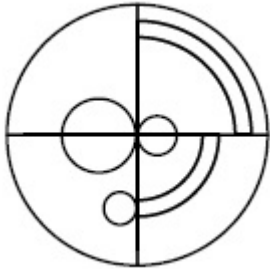
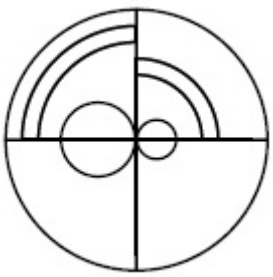
X—X

Options :

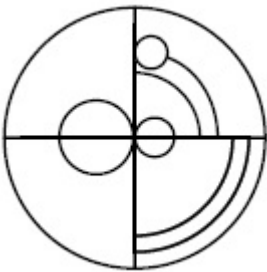


70819137781.

70819137782.



70819137783.



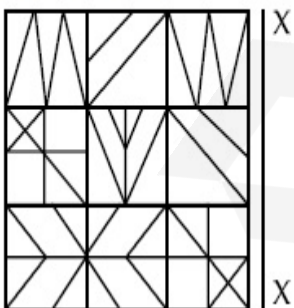
70819137784.

**Question Number : 62 Question Id : 70819111639 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

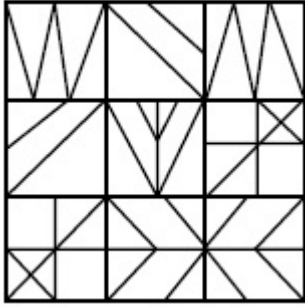
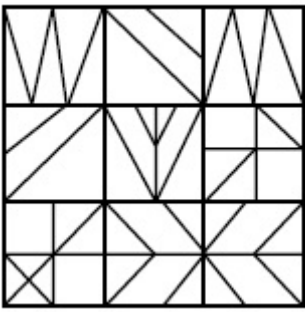
**Correct Marks : 4 Wrong Marks : 1**

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

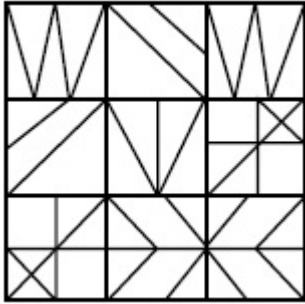


**Options :**

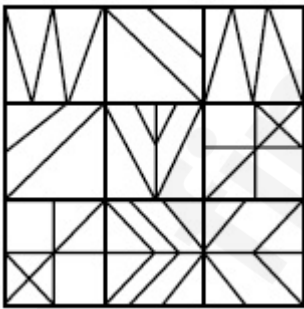
70819137785.



70819137786.



70819137787.



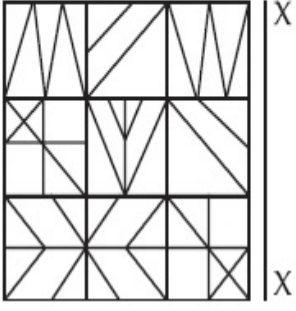
70819137788.

Question Number : 62 Question Id : 7081911639 Question Type : MCQ Option Shuffling : Yes

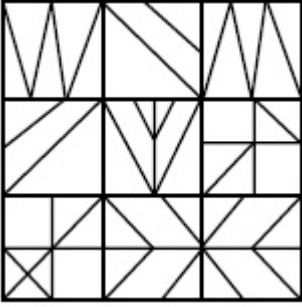
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

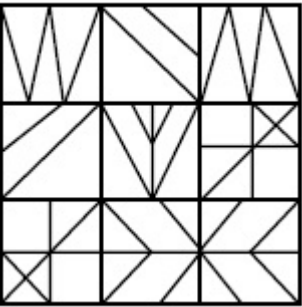
X-Xಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಪ್ರಶ್ನೆಯ ಆಕೃತಿಗೆ ಸರಿಯಾಗಿ ಹೋಲುವ ಕನ್ನಡಿ ಚಿತ್ರವನ್ನು ಗುರುತಿಸಿರಿ.  
ಚಿತ್ರವನ್ನು ನೋಡಿ ಗುರುತಿಸಿರಿ.



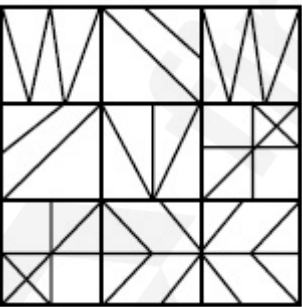
Options :



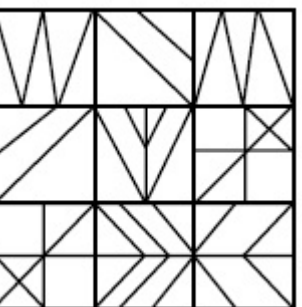
70819137785.



70819137786.



70819137787.

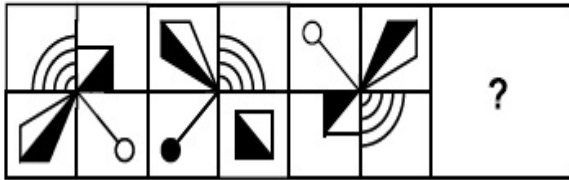


70819137788.

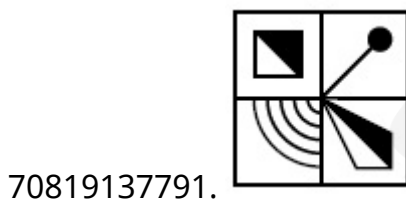
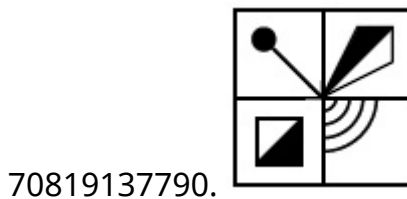
Question Number : 63 Question Id : 70819111640 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



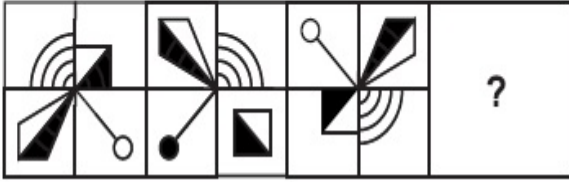
Options :



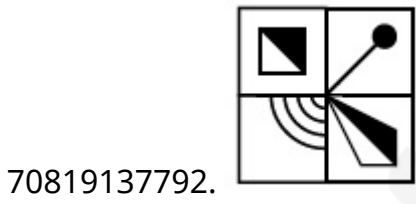
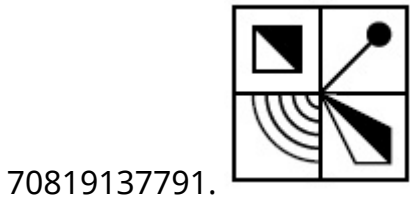
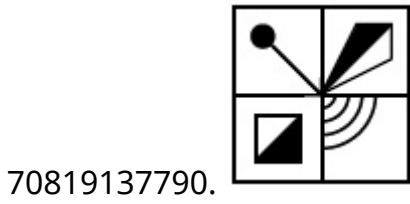
Question Number : 63 Question Id : 70819111640 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ ಯಾವ ಚಿತ್ರವು ಸರಿಯಾಗಿ, ಪ್ರಶ್ನೆಯಲ್ಲಿರುವ ಚಿತ್ರದ ಅನುಕ್ರಮವನ್ನು ಪೂರ್ಣಗೊಳಿಸುತ್ತದೆ.  
ಸರಿಯಾದ ಚಿತ್ರವನ್ನು ಆರಿಸಿ ಬರೆಯಿರಿ.



Options :

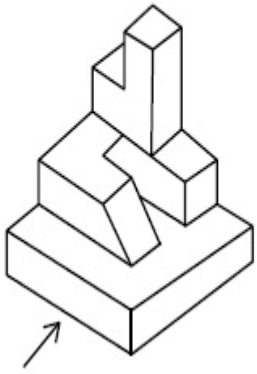


Question Number : 64 Question Id : 7081911641 Question Type : MCQ Option Shuffling : Yes

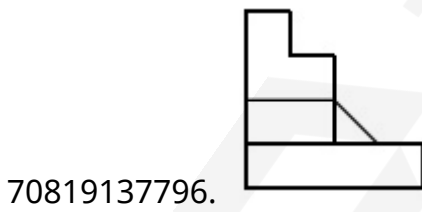
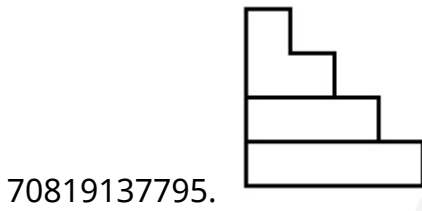
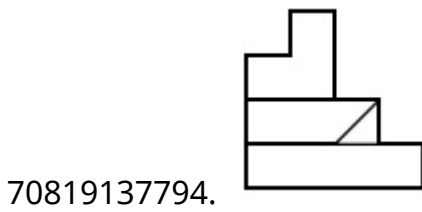
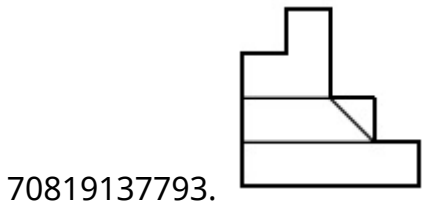
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

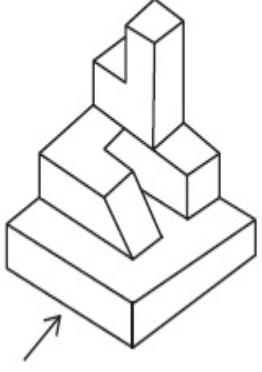


Question Number : 64 Question Id : 7081911641 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

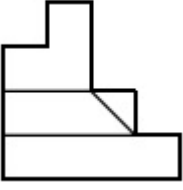
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

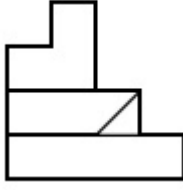


Options :

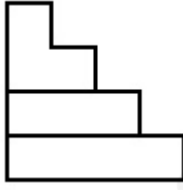
70819137793.



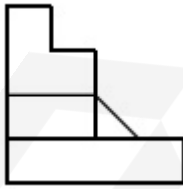
70819137794.



70819137795.



70819137796.

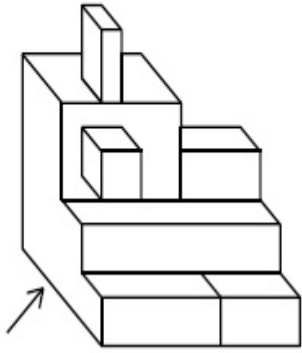


Question Number : 65 Question Id : 70819111642 Question Type : MCQ Option Shuffling : Yes

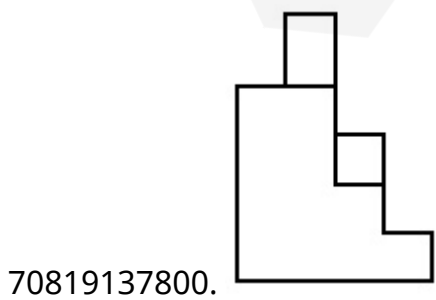
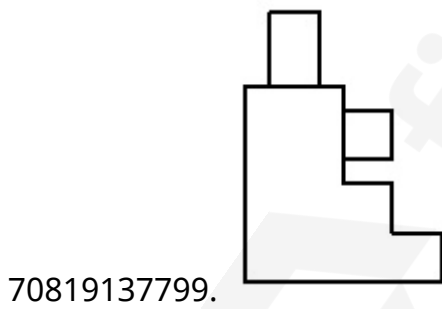
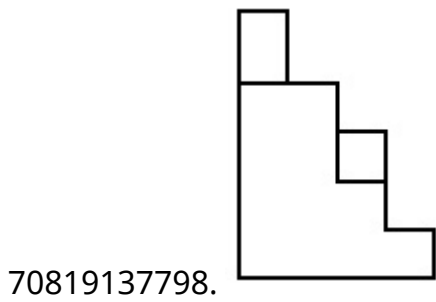
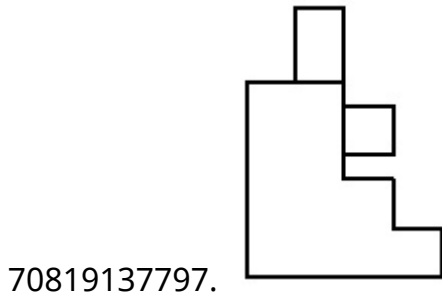
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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



Options :

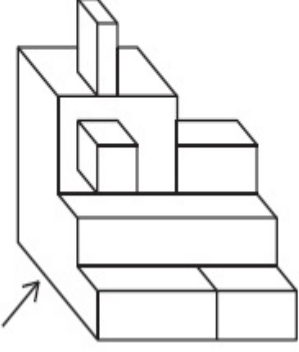


Question Number : 65 Question Id : 70819111642 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

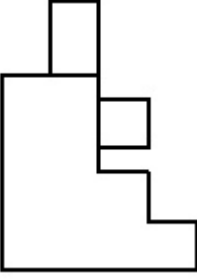
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

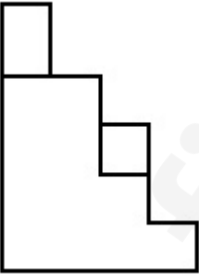


Options :

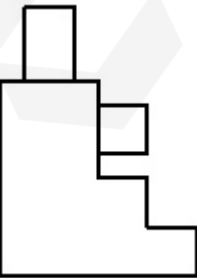
70819137797.



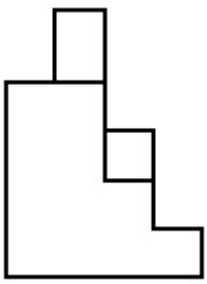
70819137798.



70819137799.



70819137800.

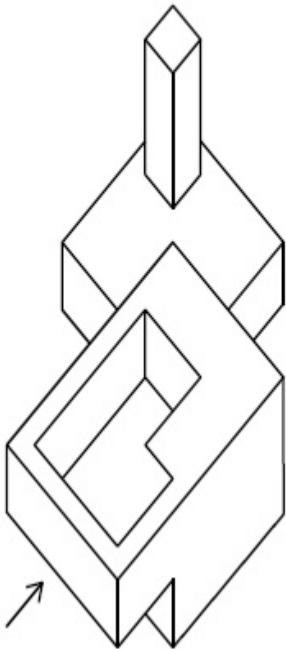


Question Number : 66 Question Id : 70819111643 Question Type : MCQ Option Shuffling : Yes

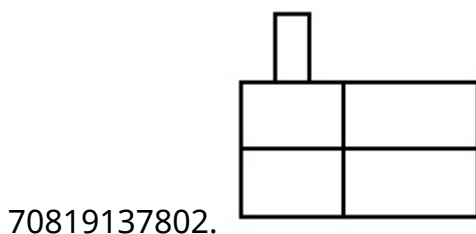
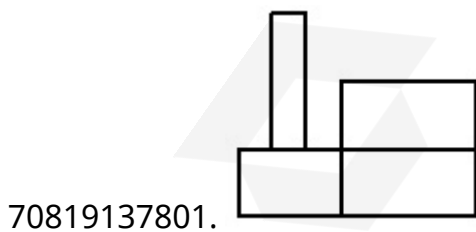
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

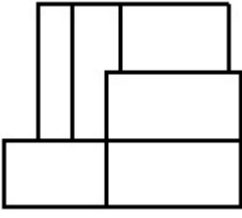
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



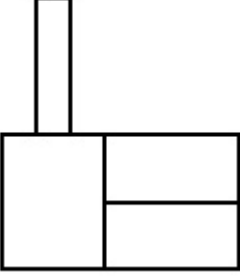
Options :



70819137803.



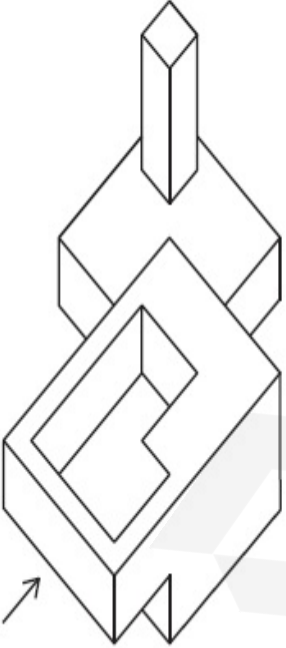
70819137804.



Question Number : 66 Question Id : 7081911643 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

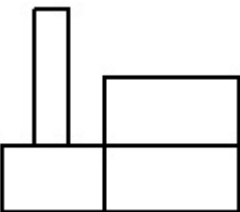
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

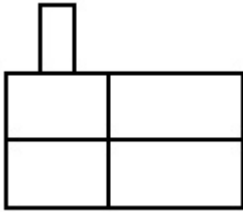


Options :

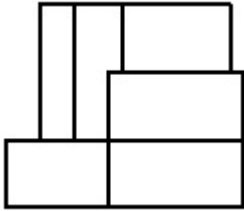
70819137801.



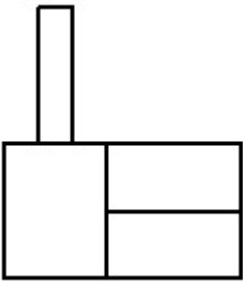
70819137802.



70819137803.



70819137804.

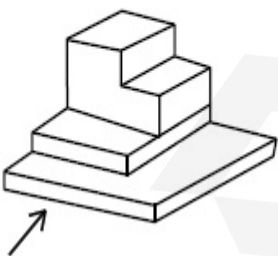


**Question Number : 67 Question Id : 70819111644 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

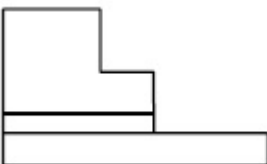
**Correct Marks : 4 Wrong Marks : 1**

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

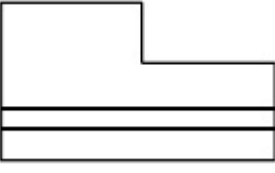


**Options :**

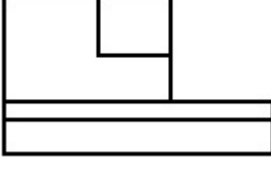
70819137805.



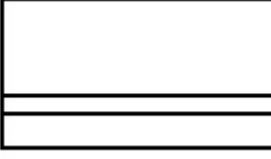
70819137806.



70819137807.



70819137808.

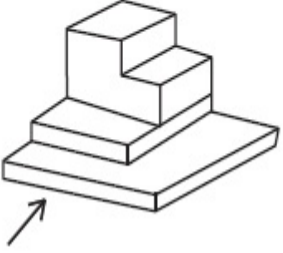


Question Number : 67 Question Id : 70819111644 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

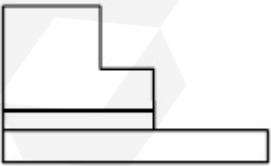
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

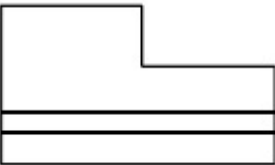


Options :

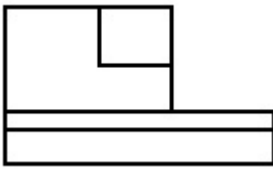
70819137805.



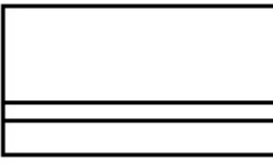
70819137806.



70819137807.



70819137808.

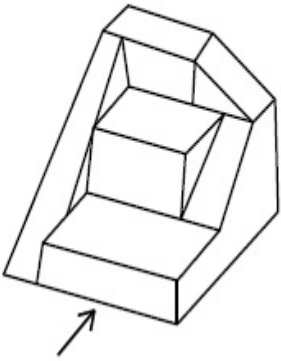


**Question Number : 68 Question Id : 70819111645 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

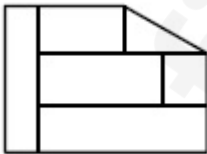
**Correct Marks : 4 Wrong Marks : 1**

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

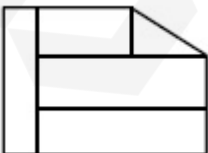


**Options :**

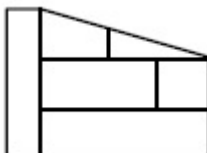
70819137809.



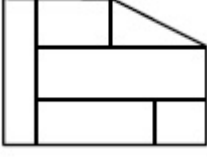
70819137810.



70819137811.



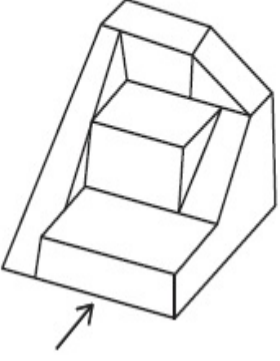
70819137812.



**Question Number : 68 Question Id : 70819111645 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

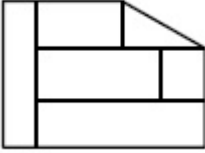
**Correct Marks : 4 Wrong Marks : 1**

ಕೆಳಗಿನ 3ಡಿ ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.



**Options :**

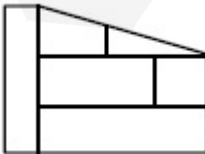
70819137809.



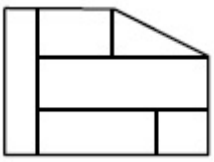
70819137810.



70819137811.



70819137812.

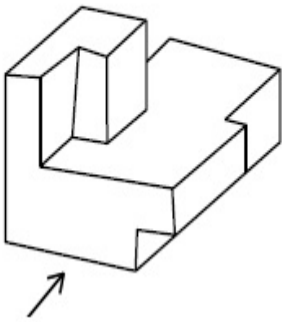


Question Number : 69 Question Id : 70819111646 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

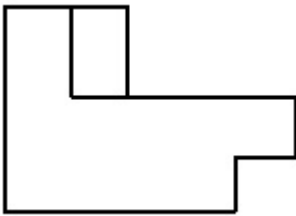
Correct Marks : 4 Wrong Marks : 1

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

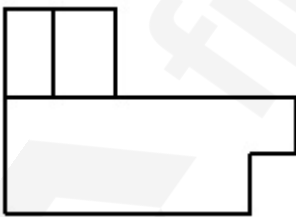


Options :

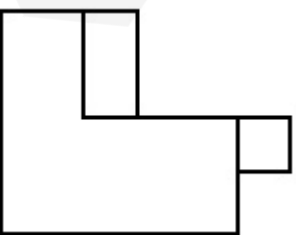
70819137813.



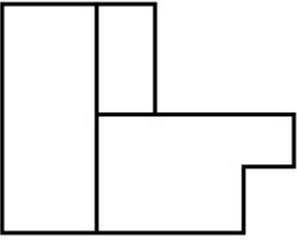
70819137814.



70819137815.



70819137816.

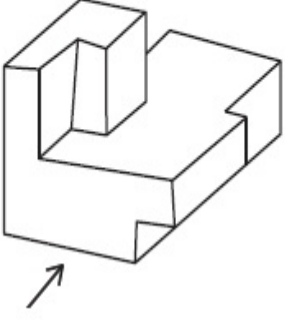


Question Number : 69 Question Id : 70819111646 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

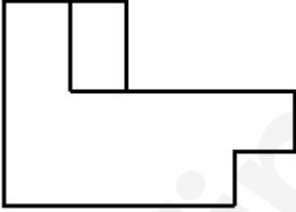
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

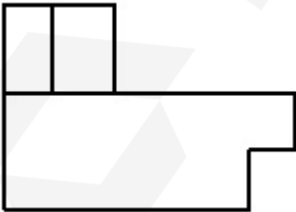


Options :

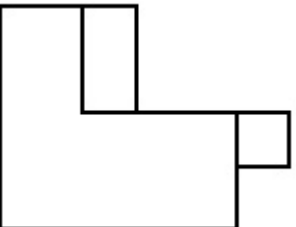
70819137813.



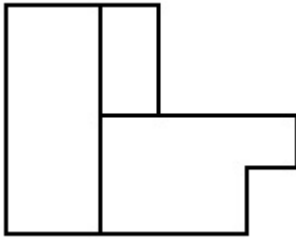
70819137814.



70819137815.



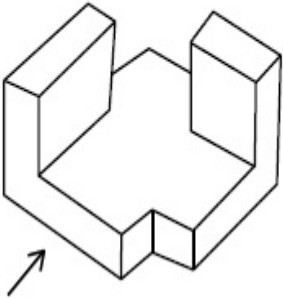
70819137816.



**Question Number : 70 Question Id : 70819111647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

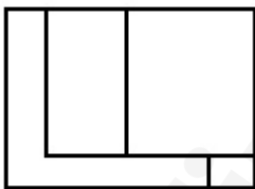
**Correct Marks : 4 Wrong Marks : 1**

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

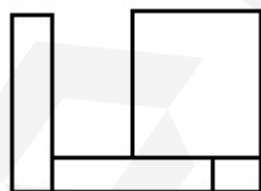


**Options :**

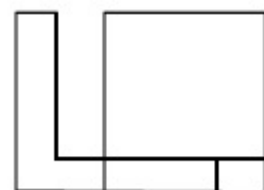
70819137817.



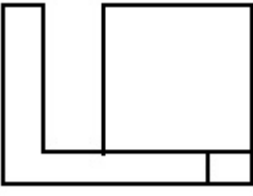
70819137818.



70819137819.



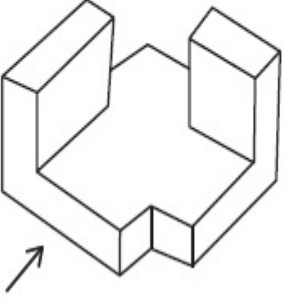
70819137820.



Question Number : 70 Question Id : 70819111647 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

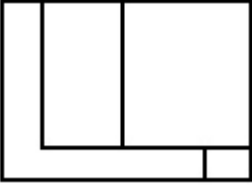
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

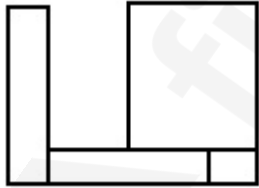


Options :

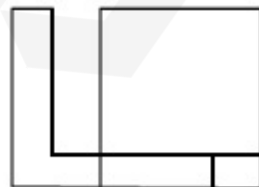
70819137817.



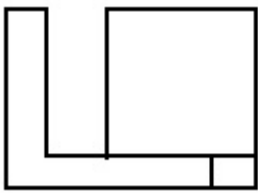
70819137818.



70819137819.



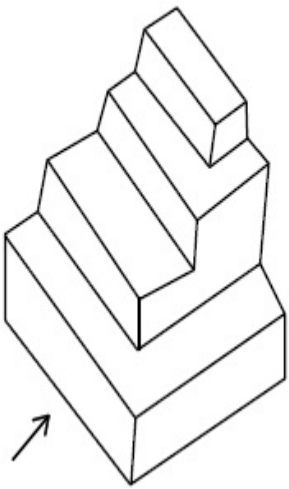
70819137820.



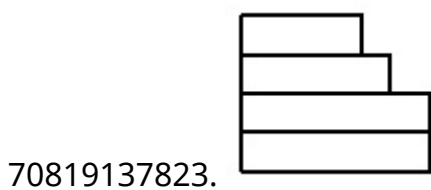
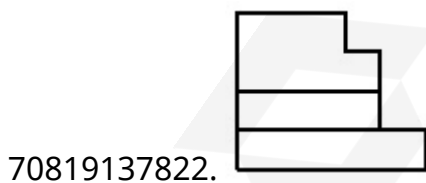
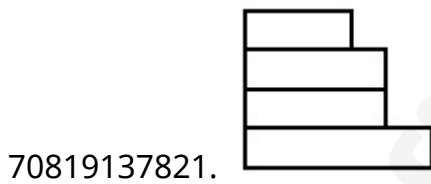
Question Number : 71 Question Id : 70819111648 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

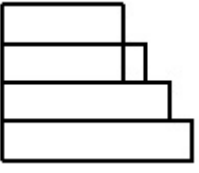
The 3D figure shows the view of an object. Identify the correct view looking in the direction of arrow, amongst the answer figures.



Options :



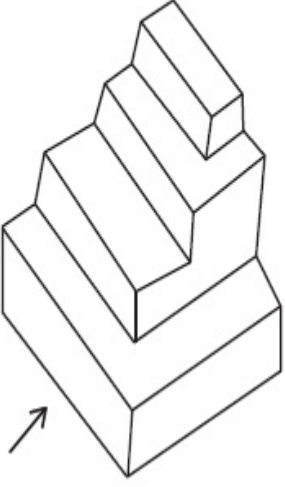
70819137824.



Question Number : 71 Question Id : 70819111648 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಣಗಳಿಂದ ಗುರುತಿಸಿರಿ.



Options :

70819137821.



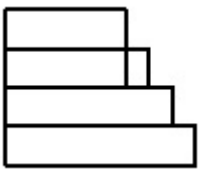
70819137822.



70819137823.



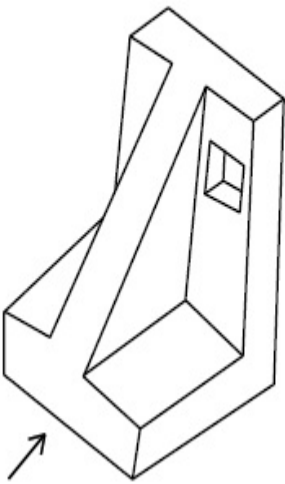
70819137824.



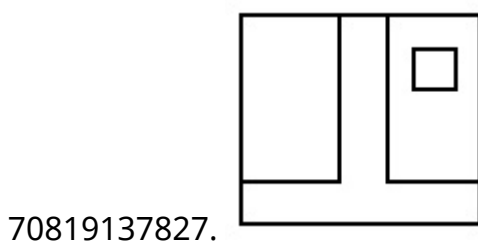
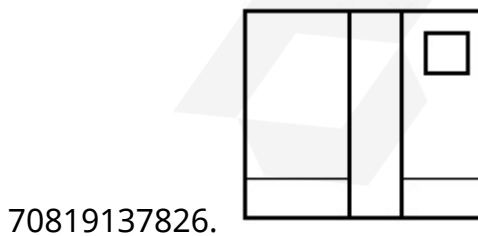
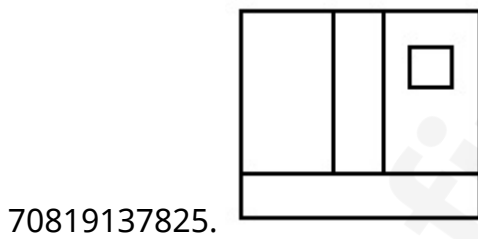
**Question Number : 72 Question Id : 70819111649 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

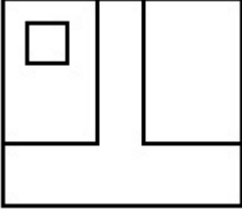
**Correct Marks : 4 Wrong Marks : 1**

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



**Options :**





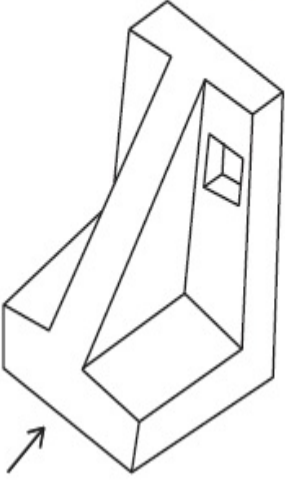
70819137828.

Question Number : 72 Question Id : 70819111649 Question Type : MCQ Option Shuffling : Yes

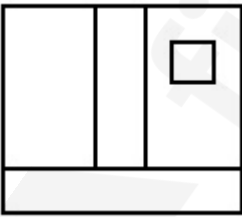
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

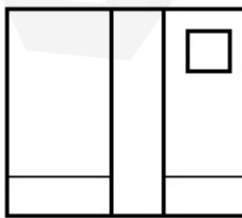
ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.



Options :

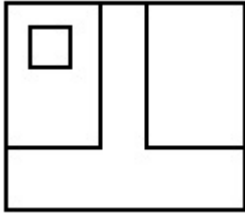
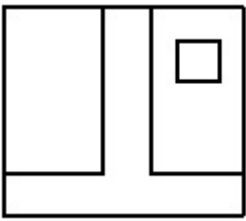


70819137825.



70819137826.

70819137827.



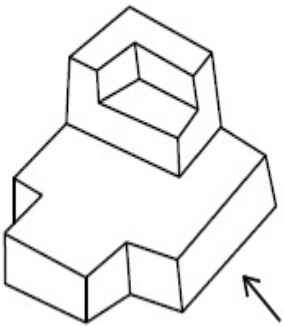
70819137828.

**Question Number : 73 Question Id : 70819111650 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

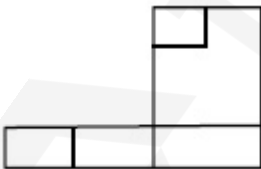
**Correct Marks : 4 Wrong Marks : 1**

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

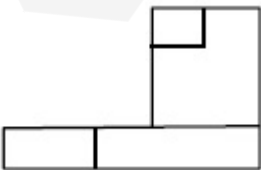


**Options :**

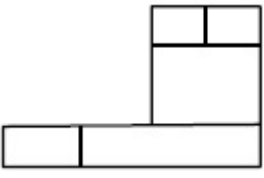
70819137829.



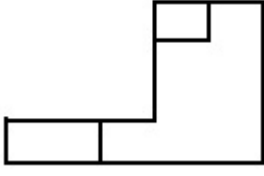
70819137830.



70819137831.



70819137832.

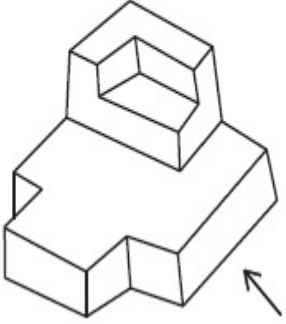


Question Number : 73 Question Id : 70819111650 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

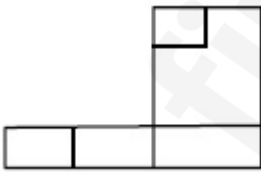
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

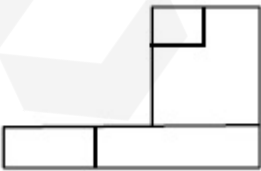


Options :

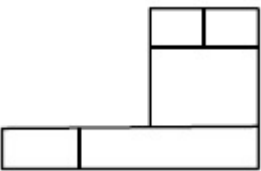
70819137829.



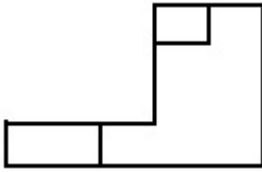
70819137830.



70819137831.



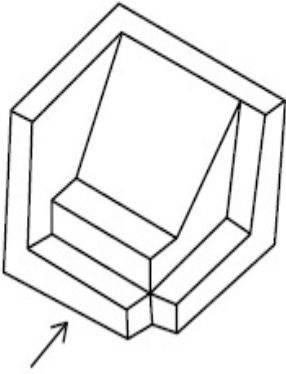
70819137832.



**Question Number : 74 Question Id : 70819111651 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

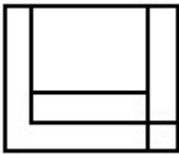
**Correct Marks : 4 Wrong Marks : 1**

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

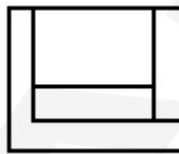


**Options :**

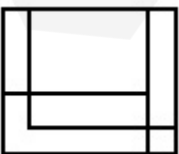
70819137833.



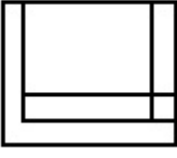
70819137834.



70819137835.



70819137836.

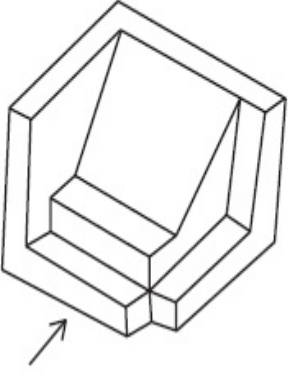


Question Number : 74 Question Id : 70819111651 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

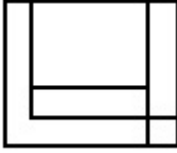
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ ನೋಟವನ್ನು ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

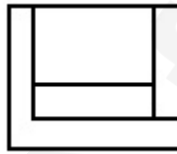


Options :

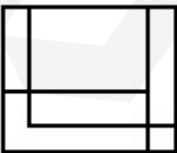
70819137833.



70819137834.



70819137835.



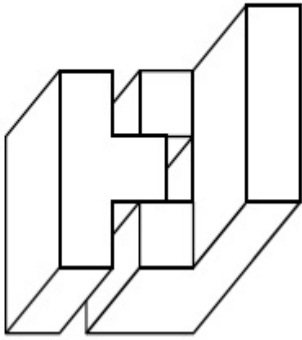
70819137836.



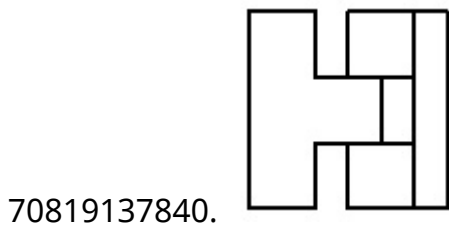
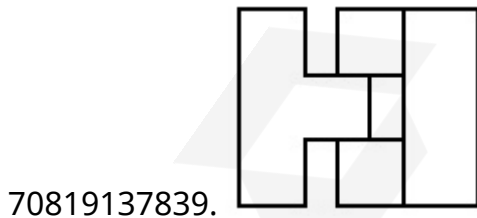
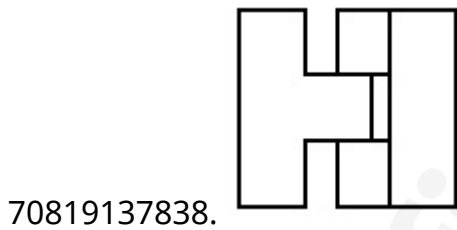
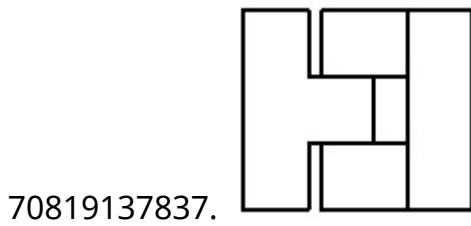
Question Number : 75 Question Id : 70819111652 Question Type : MCQ Option Shuffling : Yes  
 Is Question Mandatory : No

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 :

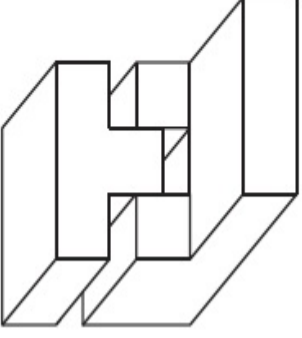


Question Number : 75 Question Id : 70819111652 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

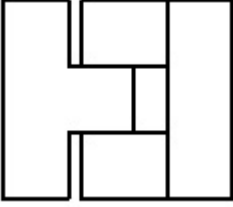
Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಸರಿಯಾದ ಉನ್ನತ ನೋಟವನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರದಿಂದ ಗುರುತಿಸಿರಿ.

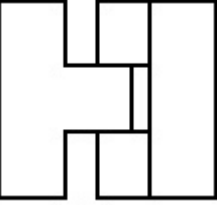


Options :

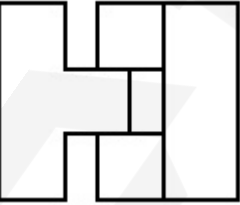
70819137837.



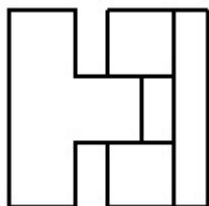
70819137838.



70819137839.



70819137840.

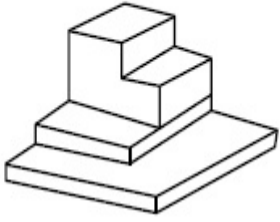


Question Number : 76 Question Id : 70819111653 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

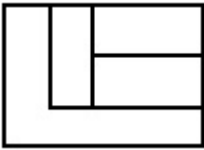
Correct Marks : 4 Wrong Marks : 1

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



Options :

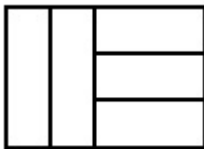
70819137841.



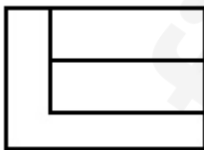
70819137842.



70819137843.



70819137844.

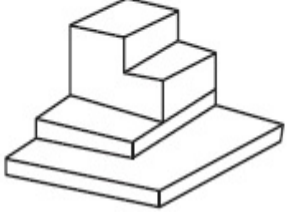


Question Number : 76 Question Id : 70819111653 Question Type : MCQ Option Shuffling : Yes

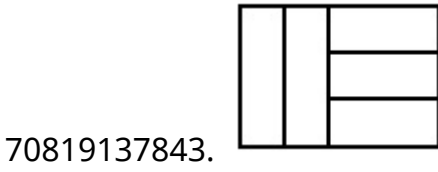
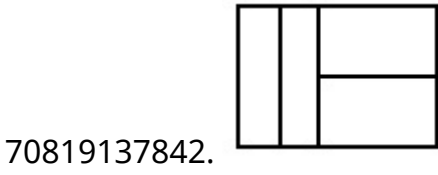
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಸರಿಯಾದ ಉನ್ನತ ನೋಟವನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರದಿಂದ ಗುರುತಿಸಿರಿ.



Options :

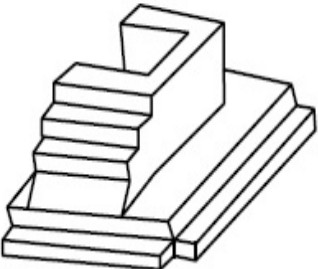


Question Number : 77 Question Id : 70819111654 Question Type : MCQ Option Shuffling : Yes

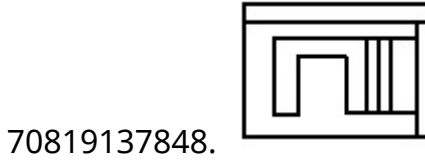
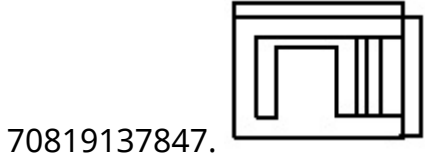
Is Question Mandatory : No

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 :

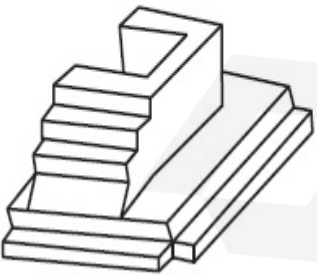


Question Number : 77 Question Id : 70819111654 Question Type : MCQ Option Shuffling : Yes

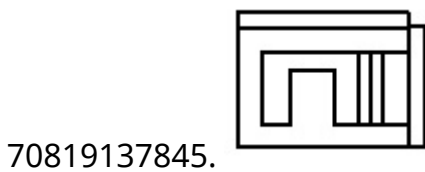
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

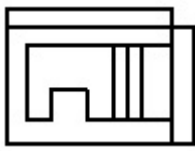
ಕೆಳಗಿನ '3ಡಿ' ಚಿತ್ರಣವು ವಸ್ತುವಿನ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಸರಿಯಾದ ಉನ್ನತ ನೋಟವನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.



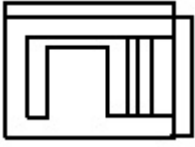
Options :



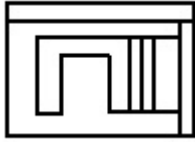
70819137846.



70819137847.



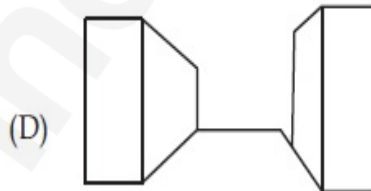
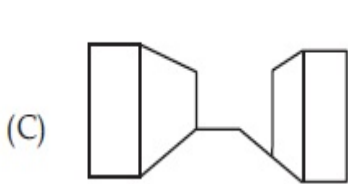
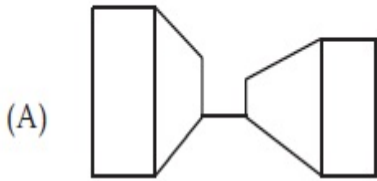
70819137848.



**Question Number : 78 Question Id : 70819111655 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 :**

70819137849. (A) and (B)

70819137850. (B) and (C)

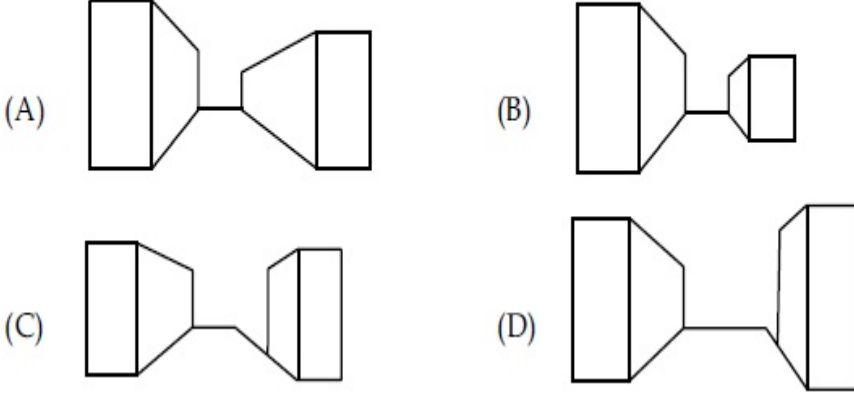
70819137851. (C) and (D)

70819137852. (D) and (A)

Question Number : 78 Question Id : 70819111655 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಈ ಕೆಳಗಿನ ಯಾವ ಕಟ್ಟಡದ ಸಂಯೋಜನೆಯು ಕಡಿಮೆ ಪ್ರಮಾಣದ ಉದ್ದೇಗದ ದೃಶ್ಯವನ್ನು ಹೊಂದಿರುತ್ತದೆ ?



Options :

70819137849. (A) ಮತ್ತು (B)

70819137850. (B) ಮತ್ತು (C)

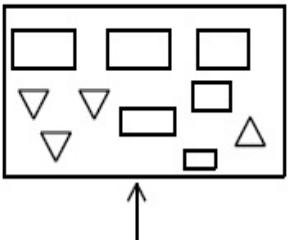
70819137851. (C) ಮತ್ತು (D)

70819137852. (D) ಮತ್ತು (A)

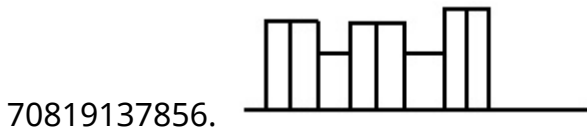
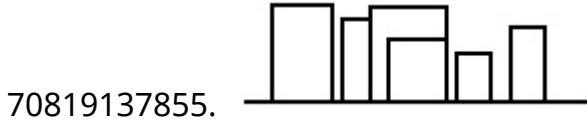
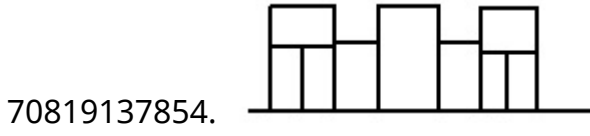
Question Number : 79 Question Id : 70819111656 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No

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 :

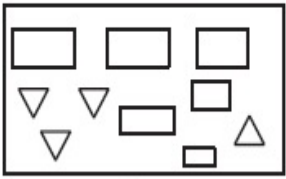


Question Number : 79 Question Id : 70819111656 Question Type : MCQ Option Shuffling : Yes

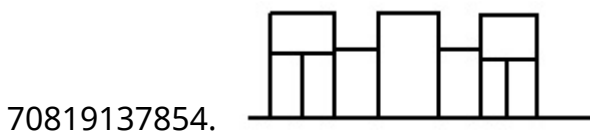
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

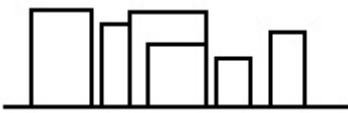
ಪ್ರಶ್ನೆಯ ಚಿತ್ರವು ವಸ್ತುವಿನ ಉನ್ನತ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ "ಎಲಿವೇಶನ್"ನನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.



Options :



70819137855.



70819137856.

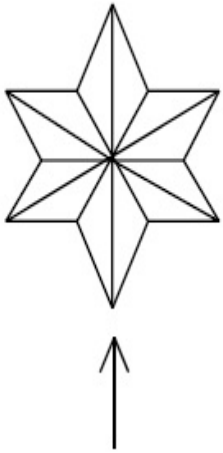


Question Number : 80 Question Id : 70819111657 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

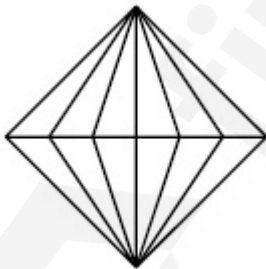
Correct Marks : 4 Wrong Marks : 1

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

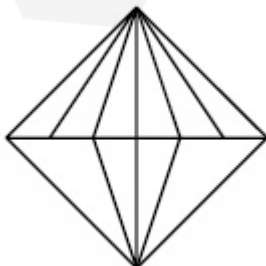


Options :

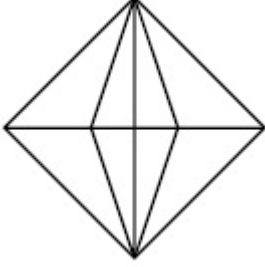
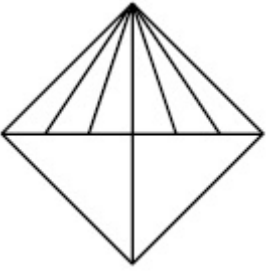
70819137857.



70819137858.



70819137859.



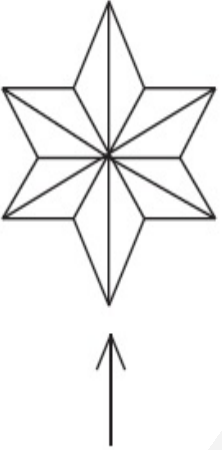
70819137860.

Question Number : 80 Question Id : 70819111657 Question Type : MCQ Option Shuffling : Yes

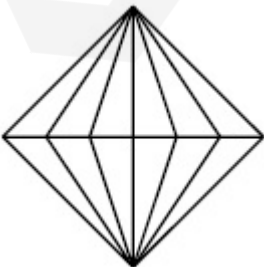
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

ಪ್ರಶ್ನೆಯ ಚಿತ್ರವು ವಸ್ತುವಿನ ಉನ್ನತ ನೋಟವನ್ನು ತೋರಿಸುತ್ತದೆ. ಬಾಣದ ದಿಕ್ಕಿನಲ್ಲಿ ನೋಡುತ್ತಿರುವ ಸರಿಯಾದ 'ಎಲಿವೇಷನ್'ನನ್ನು ಕೆಳಗಿನ ಉತ್ತರ ಚಿತ್ರಗಳಿಂದ ಗುರುತಿಸಿರಿ.

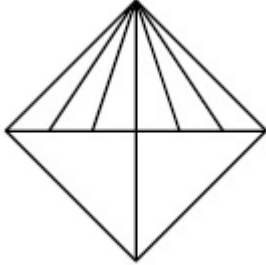
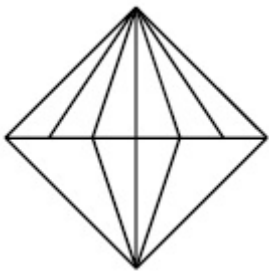


Options :

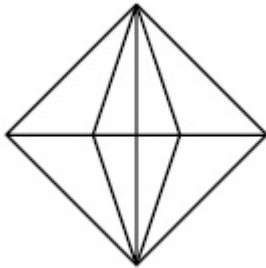


70819137857.

70819137858.



70819137859.



70819137860.

## Drawing

<b>Section Id :</b>	708191396
<b>Section Number :</b>	4
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	2
<b>Number of Questions to be attempted :</b>	2
<b>Section Marks :</b>	100
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	708191676
<b>Question Shuffling Allowed :</b>	No

**Question Number : 81 Question Id : 70819111658 Question Type : SUBJECTIVE**

**Correct Marks : 50**

Draw a proportionate sketch of given reference image by using any black and white rendering techniques of your own choice.

**OR**

Decode image and prepare balanced composition in a frame of your choice by using any black and white rendering techniques.



**Question Number : 81 Question Id : 70819111658 Question Type : SUBJECTIVE**

**Correct Marks : 50**

ಕೊಟ್ಟಿರುವ ಉಲ್ಲೇಖಿತ ಚಿತ್ರವನ್ನು ನೋಡಿ. ಒಂದು ಪ್ರಮಾಣಿತ (ಪ್ರಪೋರ್ಶನೇಟ್) ಅನ್ನು ಕಪ್ಪು ಬಿಳುಪು ರೆಂಡರಿಂಗ್ ತಂತ್ರವನ್ನು ಬಳಸಿ ರಚಿಸಿ.

ಅಥವಾ

ನಿಮ್ಮ ಆಯ್ಕೆಗೆ ಅನುಗುಣವಾದ ಫೇಮ್ ಅನ್ನು ಬಳಸಿ, ಒಂದು ಸಮತೋಲಿತ ಸಂಯೋಜನೆಯನ್ನು (Balanced composition) ಕಪ್ಪು ಬಿಳುಪು ರೆಂಡರಿಂಗ್ ತಂತ್ರವನ್ನು ಬಳಸಿ ರಚಿಸಿರಿ.



**Question Number : 82 Question Id : 70819111659 Question Type : SUBJECTIVE**

**Correct Marks : 50**

Draw a scene of a Kite festival by using colors.

OR

Draw a Harmonic three dimensional composition with the following two types of objects.

(i) CUBOID A : SIZE  $2\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ , 5 Nos.

(ii) CUBOID B : SIZE  $5\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$ , 4 Nos.

Use 'Cool Colorscheme' for composition.

**Question Number : 82 Question Id : 70819111659 Question Type : SUBJECTIVE**

**Correct Marks : 50**

ಗಾಳಿಪಟದ ಹಬ್ಬದ ದೃಶ್ಯವನ್ನು ಬಣ್ಣಗಳನ್ನು ಬಳಸಿ, ಸುಂದರವಾಗಿ, ಸೃಜನಾತ್ಮಕವಾಗಿ, ಲಾತ್ಯಕವಾಗಿ ಬಿಡಿಸಿರಿ.

### ಅಥವಾ

ಕೆಳಗಿನ ಎರಡು ಮಾದರಿಯ ವಸ್ತುವಿನಿಂದ, ಸಾಮರಸ್ಯಕವಾದ (Harmonic) '3'D ಸಂಯೋಜನೆಯನ್ನು ಬಿಡಿಸಿರಿ.

(i) ಘನ 'A' : ಅಳತೆ  $2\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$  - 5 nos.

(ii) ಘನ 'B' : ಅಳತೆ  $5\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$  - 4 nos.

ಸಂಯೋಜನೆಗೆ ತಂಪು ಬಣ್ಣಗಳನ್ನು ಉಪಯೋಗಿಸಿ.

